

# Catálogo general

*General catalogue*







## Empresa

Creada en 1987, **Europerfil**, empresa del grupo ArcelorMittal, se dedica a la fabricación de perfiles, paneles y sistemas de cerramiento metálicos, perfiles para forjado, así como sus accesorios, en una amplia gama de materiales y colores.

**Europerfil** dispone de una fábrica de 30.000m<sup>2</sup> construida situada en Cervera (Lleida), donde se ubican 7 líneas de fabricación de perfil y 2 líneas de fabricación de panel sándwich, además de toda la maquinaria necesaria para realizar curvados de perfiles, accesorios y remates. Desde sus orígenes se ha caracterizado por su apuesta por la innovación, con el fin de ofrecer la más amplia gama de materiales, productos, soluciones constructivas y accesorios.

Nuestros productos van dirigidos a cualquier tipo de edificio, residencial o no residencial (edificaciones industriales, centros educativos, sociales y culturales, instalaciones lúdicas, centros deportivos, hoteles, locales comerciales, instalaciones frigoríficas, centros sanitarios, edificaciones para transporte y estaciones de servicio).

Colaboramos estrechamente con los prescriptores y los clientes desde una fase muy inicial del proyecto y ofrecemos la optimización global de la solución a nivel técnico, logístico y económico, allí donde esté su proyecto.

La calidad de **Europerfil** está avalada por las certificaciones:

- ISO 9001:2000 - Gestión y control de la calidad
- ISO 14001 - Creación, implementación, supervisión y mejora de sistemas de gestión medioambiental
- OHSAS 18001 – Normativa internacional referente a la gestión de la salud y la seguridad en el trabajo.

**Europerfil** ha implementado un riguroso sistema para asegurar la calidad en todos sus procesos y trabaja rigurosamente para ofrecerle la más alta calidad de sus productos y el mejor servicio.

## Company

Founded in 1987, **Europerfil** is part of Arcelor Mittal group and manufactures profiles, sandwich panels and metal cladding systems, also profiled steel floor decking, accessories, in wide range of colors and materials.

**Europerfil** has 30.000m<sup>2</sup> plant located in Cervera (Lleida), where has 7 profile production lines and 2 panel sandwich production lines, it also has all needed machinery to curve profiles and to manufacture accessories and flashings. Since its origins **Europerfil** is characterized by its commitment on innovation, in order to offer wide range of products, constructive solutions and accessories.

Our products are aimed at any type of building, residential or non-residential (industrial buildings, educational, social and cultural centers, recreational facilities, sports centers, hotels, commercial centers, refrigeration facilities, health centers, transport buildings and service stations).

We cooperate with prescribers and customers from a very early stage of a project and offer a global optimization of the solution at a technical, logistic and economic level, wherever your project is.

The quality of **Europerfil** is backed by the following certifications:

- ISO 9001:2000 – Management and quality control.
- ISO 14001 - Creation, implementation, supervision and improvement of environmental management systems.
- OHSAS 18001 – International regulations regarding health and safety work management.

**Europerfil** has implemented a rigorous system to ensure quality in all its processes and works rigorously to offer you the highest quality of its products and the best service.



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## Perfiles metálicos

Metal profiles



## Cubierta y Cubierta Deck

La cubierta metálica de una edificación, aunque tiene como principal función la evacuación de aguas, cada vez más representa un elemento arquitectónico diferencial.

Consciente de ello en Europerfil hemos desarrollado una amplia gama de perfiles de cubierta especialmente indicados para una amplia tipología de cerramientos.

## Roof and Roof Deck

Although the main function of the metal roof of a building is the evacuation of water, more and more it increasingly represents a differential architectural element.

Aware of this, in Europerfil, we have developed an extensive range of roof profiles which are especially suitable for a different type of cladding.



EUROBASE 106  
Escuela Infantil de A Veigadaña  
(Mos, Pontevedra, España)  
*Children's School in Veigadaña,  
Mos (Pontevedra, Spain)*





# EUROBASE 106

Ferrari Experience (Abu Dhabi, Emiratos Árabes Unidos)  
*Ferrari Experience (Abu Dhabi, United Arab Emirates)*



EUROBASE 106, EUROFORM 23  
 Polideportivo Sagrada Familia, (Burgos, España)  
*Sagrada Familia Sports Centre (Burgos, Spain)*



EUROCOVER 40N  
 Sidi Ben Abes, Oran (Algeria)

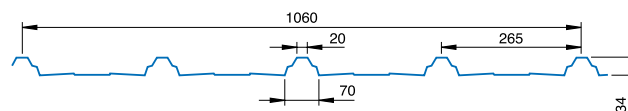


**EUROCOVER 34N CS**

Perfil / Profile 4.265.34



|                                      | Espesor Thickness (mm) |        |        |        |        |        |
|--------------------------------------|------------------------|--------|--------|--------|--------|--------|
|                                      | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 5,83                   | 6,48   | 6,94   | 7,41   | 9,26   | 11,11  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 9,065                  | 10,142 | 10,911 | 11,680 | 14,757 | 17,838 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 12,472                 | 13,909 | 14,930 | 15,947 | 19,972 | 23,930 |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 3,391                  | 3,797  | 4,088  | 4,378  | 5,546  | 6,720  |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |      |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m <sup>2</sup> )                               | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 50                     | 1,95 | 2,25 | 2,05 | 2,20 | 2,60 | 2,80 | 2,00 | 2,70 | 2,70 | 2,70 | 3,20 |
| 75                                                                                        | 1,95                   | 2,00 | 2,05 | 2,10 | 2,30 | 2,45 | 2,00 | 2,55 | 2,60 | 2,65 | 2,85 | 3,10 |
| 100                                                                                       | 1,75                   | 1,85 | 1,90 | 1,90 | 2,05 | 2,25 | 2,00 | 2,30 | 2,35 | 2,40 | 2,60 | 2,80 |
| 125                                                                                       | 1,65                   | 1,70 | 1,75 | 1,80 | 1,90 | 2,05 | 1,95 | 2,15 | 2,20 | 2,25 | 2,40 | 2,60 |
| 150                                                                                       | 1,55                   | 1,60 | 1,65 | 1,70 | 1,80 | 1,95 | 1,75 | 2,00 | 2,05 | 2,10 | 2,25 | 2,45 |
| 175                                                                                       | 1,40                   | 1,55 | 1,55 | 1,60 | 1,70 | 1,85 | 1,65 | 1,90 | 1,95 | 2,00 | 2,15 | 2,30 |
| 200                                                                                       | 1,35                   | 1,45 | 1,50 | 1,55 | 1,65 | 1,75 | 1,55 | 1,80 | 1,85 | 1,90 | 2,05 | 2,20 |
| 225                                                                                       | 1,25                   | 1,40 | 1,45 | 1,45 | 1,60 | 1,70 | 1,40 | 1,70 | 1,75 | 1,80 | 2,00 | 2,15 |
| 250                                                                                       | 1,20                   | 1,35 | 1,40 | 1,40 | 1,55 | 1,65 | 1,25 | 1,60 | 1,65 | 1,75 | 1,90 | 2,05 |

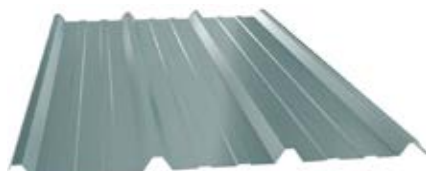
**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europerfil.com](http://www.europerfil.com)

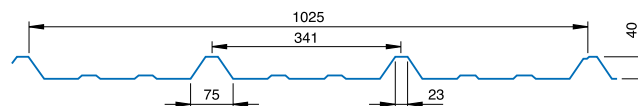
Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings used as roofing profile. For a correct dimensioning in front of wind suction requests, consult the current technical data sheets: [www.europerfil.com](http://www.europerfil.com)

**EUROCOVER 40N CS**

Perfil / Profile 3.341.40



|                                      | Espesor Thickness (mm) |        |        |        |        |        |
|--------------------------------------|------------------------|--------|--------|--------|--------|--------|
|                                      | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 6,03                   | 6,70   | 7,18   | 7,66   | 9,57   | 11,49  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 10,909                 | 12,204 | 13,130 | 14,055 | 17,758 | 21,465 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 14,890                 | 16,603 | 17,819 | 19,030 | 23,820 | 28,526 |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 3,444                  | 3,856  | 4,151  | 4,446  | 5,630  | 6,820  |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |      |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m <sup>2</sup> )                               | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 50                     | 2,10 | 2,45 | 2,45 | 2,60 | 3,10 | 3,30 | 2,10 | 2,90 | 2,90 | 2,90 | 3,65 |
| 75                                                                                        | 2,10                   | 2,40 | 2,45 | 2,50 | 2,70 | 2,85 | 2,10 | 2,90 | 2,90 | 2,90 | 3,30 | 3,50 |
| 100                                                                                       | 2,05                   | 2,20 | 2,25 | 2,30 | 2,45 | 2,60 | 2,10 | 2,65 | 2,75 | 2,80 | 3,00 | 3,20 |
| 125                                                                                       | 1,90                   | 2,05 | 2,05 | 2,10 | 2,30 | 2,40 | 2,10 | 2,50 | 2,55 | 2,60 | 2,80 | 2,95 |
| 150                                                                                       | 1,80                   | 1,90 | 1,95 | 2,00 | 2,15 | 2,25 | 2,10 | 2,35 | 2,40 | 2,45 | 2,65 | 2,80 |
| 175                                                                                       | 1,70                   | 1,80 | 1,85 | 1,90 | 2,05 | 2,15 | 2,10 | 2,20 | 2,25 | 2,30 | 2,50 | 2,65 |
| 200                                                                                       | 1,60                   | 1,75 | 1,75 | 1,80 | 1,95 | 2,05 | 2,00 | 2,10 | 2,15 | 2,20 | 2,40 | 2,50 |
| 225                                                                                       | 1,50                   | 1,65 | 1,70 | 1,75 | 1,90 | 1,95 | 1,85 | 1,90 | 2,05 | 2,10 | 2,30 | 2,40 |
| 250                                                                                       | 1,45                   | 1,55 | 1,60 | 1,65 | 1,80 | 1,90 | 1,65 | 1,75 | 1,85 | 1,95 | 2,20 | 2,35 |

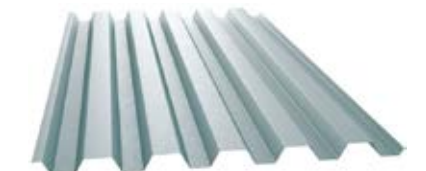
**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europerfil.com](http://www.europerfil.com)

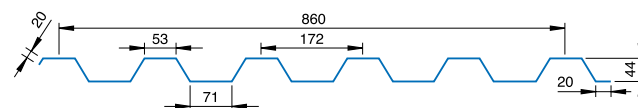
Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings used as roofing profile. For a correct dimensioning in front of wind suction requests, consult the current technical data sheets: [www.europerfil.com](http://www.europerfil.com)

**EUROMODUL 44 CS**

Perfil / Profile 5.172.44



|                                      | Espesor Thickness (mm) |        |        |        |        |        |
|--------------------------------------|------------------------|--------|--------|--------|--------|--------|
|                                      | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 7,19                   | 7,99   | 8,56   | 9,13   | 11,41  | 13,69  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 25,895                 | 29,968 | 31,162 | 33,357 | 42,136 | 50,916 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 12,735                 | 14,238 | 15,311 | 16,383 | 20,663 | 24,930 |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 10,942                 | 12,246 | 13,178 | 14,111 | 17,849 | 21,597 |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |      |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m <sup>2</sup> )                               | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 50                     | 3,00 | 3,50 | 3,25 | 3,45 | 4,35 | 4,75 | 4,60 | 5,20 | 5,20 | 5,40 | 6,15 |
| 75                                                                                        | 3,00                   | 3,35 | 3,25 | 3,45 | 3,80 | 4,10 | 3,80 | 4,35 | 4,45 | 4,60 | 4,95 | 5,30 |
| 100                                                                                       | 2,75                   | 3,00 | 3,05 | 3,15 | 3,40 | 3,70 | 3,30 | 3,80 | 3,95 | 4,05 | 4,45 | 4,80 |
| 125                                                                                       | 2,55                   | 2,75 | 2,85 | 2,90 | 3,15 | 3,40 | 2,95 | 3,45 | 3,55 | 3,70 | 4,10 | 4,45 |
| 150                                                                                       | 2,35                   | 2,60 | 2,65 | 2,70 | 2,95 | 3,20 | 2,70 | 3,20 | 3,30 | 3,45 | 3,80 | 4,15 |
| 175                                                                                       | 2,25                   | 2,45 | 2,50 | 2,60 | 2,80 | 3,05 | 2,50 | 3,00 | 3,10 | 3,20 | 3,60 | 3,95 |
| 200                                                                                       | 2,10                   | 2,30 | 2,40 | 2,45 | 2,65 | 2,90 | 2,35 | 2,80 | 2,90 | 3,05 | 3,40 | 3,75 |
| 225                                                                                       | 2,05                   | 2,20 | 2,30 | 2,35 | 2,55 | 2,75 | 2,20 | 2,70 | 2,75 | 2,90 | 3,25 | 3,60 |
| 250                                                                                       | 1,95                   | 2,15 | 2,20 | 2,25 | 2,45 | 2,65 | 2,10 | 2,55 | 2,65 | 2,80 | 3,15 | 3,50 |

**Aplicaciones Scope**

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Note: 1 daN = 0,98 Kg. I<sub>y</sub>: momento de inercia W<sub>1</sub>, W<sub>2</sub>: módulo resistente  
Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europerfil en chapa de acero, otros materiales consultar.  
Las tablas incluyen los coeficientes de mayoración según normativa vigentes.  
Estos son : 1,5 para sobrecargas de uso y 1,35 para cargas permanentes

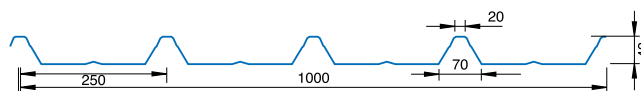
Note: 1 daN = 0,98 Kg. I<sub>y</sub>: moment of inertia W<sub>1</sub>, W<sub>2</sub>: resistant module  
The overload tables are calculations and testing made on steel sheet Europerfil profiles.  
For other materials, please ask us.  
The tables include the coefficients of increase according to current regulations.  
These are: 1.5 for use overloads and 1.35 for permanent loads.

## EUROBASE 48 CS

Perfil / Profile 4.250.48



|                         | Espesor Thickness (mm) |        |        |        |        |        |
|-------------------------|------------------------|--------|--------|--------|--------|--------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 5,89                   | 6,87   | 7,36   | 7,85   | 9,81   | 11,78  |
| I <sub>y</sub> (cm⁴/ml) | 19,745                 | 23,270 | 25,033 | 26,796 | 33,847 | 40,899 |
| W <sub>1</sub> (cm²/ml) | 17,128                 | 20,201 | 21,734 | 23,268 | 29,408 | 35,554 |
| W <sub>2</sub> (cm²/ml) | 5,414                  | 6,379  | 6,862  | 7,345  | 9,276  | 11,206 |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |                        |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |                        |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m²)                                            | Espesor Thickness (mm) |      |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 50                                                                                        | 1,90                   | 2,25 | 2,55 | 2,70 | 3,40 | 3,60 | 2,35                   | 2,75 | 3,15 | 3,35 | 3,70 | 3,95 |
| 75                                                                                        | 1,90                   | 2,25 | 2,55 | 2,70 | 3,40 | 3,60 | 2,35                   | 2,75 | 3,15 | 3,35 | 3,70 | 3,90 |
| 100                                                                                       | 1,90                   | 2,25 | 2,55 | 2,70 | 3,15 | 3,35 | 2,35                   | 2,75 | 2,95 | 3,05 | 3,40 | 3,65 |
| 125                                                                                       | 1,90                   | 2,25 | 2,55 | 2,65 | 2,85 | 3,05 | 2,35                   | 2,60 | 2,70 | 2,80 | 3,10 | 3,40 |
| 150                                                                                       | 1,90                   | 2,25 | 2,40 | 2,45 | 2,65 | 2,80 | 2,25                   | 2,45 | 2,50 | 2,60 | 2,90 | 3,15 |
| 175                                                                                       | 1,90                   | 2,20 | 2,25 | 2,30 | 2,50 | 2,65 | 2,10                   | 2,30 | 2,35 | 2,45 | 2,70 | 2,95 |
| 200                                                                                       | 1,90                   | 2,10 | 2,15 | 2,20 | 2,35 | 2,50 | 2,00                   | 2,15 | 2,20 | 2,30 | 2,55 | 2,80 |
| 225                                                                                       | 1,90                   | 2,00 | 2,05 | 2,10 | 2,25 | 2,40 | 1,90                   | 2,05 | 2,10 | 2,20 | 2,45 | 2,65 |
| 250                                                                                       | 1,80                   | 1,90 | 1,95 | 2,00 | 2,15 | 2,30 | 1,80                   | 1,95 | 2,00 | 2,10 | 2,30 | 2,55 |

### Aplicaciones Scope

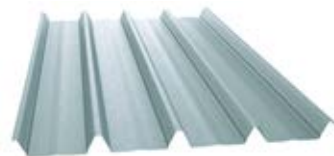
Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europafil.com](http://www.europafil.com)

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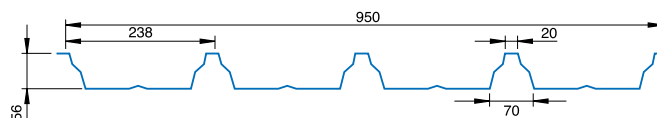


## EUROBASE 56 CS

Perfil / Profile 4.238.56



|                         | Espesor Thickness (mm) |        |        |        |        |        |
|-------------------------|------------------------|--------|--------|--------|--------|--------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 6,20                   | 7,23   | 7,75   | 8,26   | 10,33  | 12,39  |
| I <sub>y</sub> (cm⁴/ml) | 29,252                 | 34,475 | 37,087 | 39,699 | 50,146 | 60,593 |
| W <sub>1</sub> (cm²/ml) | 19,937                 | 23,514 | 25,298 | 27,083 | 34,225 | 41,374 |
| W <sub>2</sub> (cm²/ml) | 7,078                  | 8,340  | 8,971  | 9,603  | 12,128 | 14,652 |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |                        |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |                        |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m²)                                            | Espesor Thickness (mm) |      |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 50                                                                                        | 2,30                   | 2,65 | 3,10 | 3,30 | 4,00 | 4,25 | 3,40                   | 3,65 | 3,80 | 3,90 | 4,30 | 4,60 |
| 75                                                                                        | 2,30                   | 2,65 | 3,10 | 3,30 | 3,70 | 3,95 | 3,40                   | 3,65 | 3,80 | 3,90 | 4,30 | 4,60 |
| 100                                                                                       | 2,30                   | 2,65 | 3,05 | 3,15 | 3,40 | 3,60 | 3,40                   | 3,65 | 3,80 | 3,85 | 4,15 | 4,45 |
| 125                                                                                       | 2,30                   | 2,65 | 2,85 | 2,90 | 3,15 | 3,35 | 3,05                   | 3,30 | 3,40 | 3,50 | 3,85 | 4,10 |
| 150                                                                                       | 2,30                   | 2,60 | 2,70 | 2,75 | 2,95 | 3,15 | 2,80                   | 3,00 | 3,10 | 3,20 | 3,55 | 3,85 |
| 175                                                                                       | 2,30                   | 2,50 | 2,55 | 2,60 | 2,80 | 3,00 | 2,60                   | 2,80 | 2,90 | 3,00 | 3,30 | 3,60 |
| 200                                                                                       | 2,25                   | 2,40 | 2,45 | 2,50 | 2,70 | 2,85 | 2,45                   | 2,60 | 2,70 | 2,80 | 3,10 | 3,40 |
| 225                                                                                       | 2,15                   | 2,30 | 2,35 | 2,40 | 2,55 | 2,75 | 2,30                   | 2,50 | 2,55 | 2,65 | 2,95 | 3,20 |
| 250                                                                                       | 2,10                   | 2,20 | 2,25 | 2,30 | 2,50 | 2,65 | 2,20                   | 2,35 | 2,45 | 2,50 | 2,80 | 3,05 |

### Aplicaciones Scope

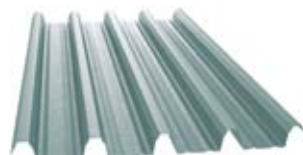
Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europafil.com](http://www.europafil.com)

Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings used as roofing profile. For a correct dimensioning in front of wind suction requests, consult the current technical data sheets: [www.europafil.com](http://www.europafil.com)

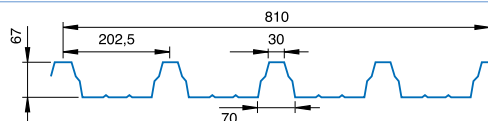


## EUROBASE 67 CS

Perfil / Profile 4.202.67



|                         | Espesor Thickness (mm) |        |        |        |        |         |
|-------------------------|------------------------|--------|--------|--------|--------|---------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20    |
| Peso Weight (kg/m²)     | 7,27                   | 8,48   | 9,09   | 9,69   | 12,11  | 14,54   |
| I <sub>y</sub> (cm⁴/ml) | 54,114                 | 63,778 | 68,609 | 73,441 | 92,768 | 112,094 |
| W <sub>1</sub> (cm²/ml) | 24,460                 | 28,848 | 31,037 | 33,226 | 41,989 | 50,760  |
| W <sub>2</sub> (cm²/ml) | 12,058                 | 14,207 | 15,282 | 16,358 | 20,658 | 24,956  |



| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)                                           |                        |      |      |      |      |      |                        |      |      |      |      |      |
|-------------------------------------------------------------------------------------------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
| CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200 |                        |      |      |      |      |      |                        |      |      |      |      |      |
| Sobrecarga de uso<br>Positive load<br>(daN/m²)                                            | Espesor Thickness (mm) |      |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |      |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
|                                                                                           | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 50                                                                                        | 2,55                   | 2,95 | 3,50 | 3,70 | 4,50 | 4,80 | 4,00                   | 4,40 | 4,50 | 4,60 | 4,95 | 5,30 |
| 75                                                                                        | 2,55                   | 2,95 | 3,50 | 3,70 | 4,20 | 4,45 | 4,00                   | 4,40 | 4,50 | 4,60 | 4,95 | 5,30 |
| 100                                                                                       | 2,55                   | 2,95 | 3,45 | 3,55 | 3,80 | 4,05 | 4,00                   | 4,35 | 4,45 | 4,55 | 4,90 | 5,15 |
| 125                                                                                       | 2,55                   | 2,95 | 3,20 | 3,30 | 3,55 | 3,75 | 3,60                   | 4,05 | 4,15 | 4,25 | 4,55 | 4,85 |
| 150                                                                                       | 2,55                   | 2,95 | 3,00 | 3,10 | 3,35 | 3,55 | 3,30                   | 3,75 | 3,85 | 3,95 | 4,30 | 4,55 |
| 175                                                                                       | 2,55                   | 2,80 | 2,85 | 2,95 | 3,15 | 3,35 | 3,05                   | 3,45 | 3,60 | 3,70 | 4,05 | 4,30 |
| 200                                                                                       | 2,50                   | 2,70 | 2,75 | 2,80 | 3,00 | 3,20 | 2,85                   | 3,25 | 3,35 | 3,45 | 3,85 | 4,15 |
| 225                                                                                       | 2,45                   | 2,55 | 2,65 | 2,70 | 2,90 | 3,10 | 2,70                   | 3,05 | 3,15 | 3,25 | 3,65 | 3,95 |
| 250                                                                                       | 2,35                   | 2,50 | 2,55 | 2,60 | 2,80 | 3,00 | 2,55                   | 2,90 | 3,00 | 3,10 | 3,45 | 3,75 |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europafil.com](http://www.europafil.com)

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Junta estanca  
Filler block



Translúcido  
Translucent



Perforado  
Perforated



Curvado  
Curved

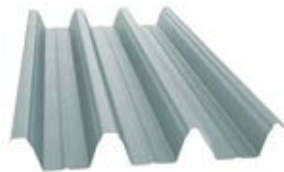


EUROPERFIL®



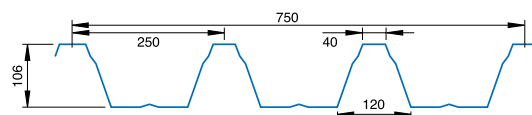
**EUROBASE 106 CS**

Perfil / Profile 3.250.106



Espesor Thickness (mm)

|                                      | 0,60    | 0,70    | 0,75    | 0,80    | 1,00    | 1,20    |
|--------------------------------------|---------|---------|---------|---------|---------|---------|
| Peso Weight (kg/m <sup>2</sup> )     | 7,85    | 9,16    | 9,81    | 10,47   | 13,08   | 15,70   |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 141,640 | 166,933 | 179,580 | 192,227 | 242,813 | 293,399 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 34,586  | 40,774  | 43,870  | 46,962  | 59,335  | 71,715  |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 21,775  | 25,659  | 27,600  | 29,543  | 37,311  | 45,077  |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

CARGAS DESCENDENTES Flecha admisible: L/200 POSITIVE LADS Limitation of deflection: L/200

| Sobrecarga de uso<br>Positive load<br>(daN/m <sup>2</sup> ) | Espesor Thickness (mm)        |      |      |      |      |      |                               |      |      |      |      |     |
|-------------------------------------------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|-----|
|                                                             | 0,60 0,70 0,75 0,80 1,00 1,20 |      |      |      |      |      | 0,60 0,70 0,75 0,80 1,00 1,20 |      |      |      |      |     |
|                                                             | 50                            | 75   | 100  | 125  | 150  | 175  | 200                           | 225  | 250  | 50   | 75   | 100 |
| 3,70                                                        | 4,30                          | 5,05 | 5,40 | 6,30 | 6,80 | 5,35 | 5,75                          | 5,90 | 6,10 | 6,75 | 7,30 |     |
| 3,70                                                        | 4,30                          | 5,05 | 5,35 | 5,65 | 5,95 | 5,35 | 5,75                          | 5,90 | 6,10 | 6,75 | 7,30 |     |
| 3,70                                                        | 4,30                          | 4,90 | 5,00 | 5,30 | 5,50 | 5,35 | 5,65                          | 5,70 | 5,80 | 6,25 | 6,65 |     |
| 3,70                                                        | 4,30                          | 4,55 | 4,65 | 5,00 | 5,20 | 4,80 | 5,15                          | 5,35 | 5,50 | 5,80 | 6,15 |     |
| 3,70                                                        | 4,15                          | 4,25 | 4,35 | 4,70 | 5,00 | 4,40 | 4,75                          | 4,90 | 5,05 | 5,60 | 5,80 |     |
| 3,70                                                        | 3,95                          | 4,05 | 4,15 | 4,45 | 4,75 | 4,10 | 4,40                          | 4,55 | 4,70 | 5,20 | 5,65 |     |
| 3,55                                                        | 3,80                          | 3,85 | 3,95 | 4,25 | 4,55 | 3,85 | 4,15                          | 4,25 | 4,40 | 4,90 | 5,35 |     |
| 3,35                                                        | 3,60                          | 3,70 | 3,80 | 4,10 | 4,35 | 3,60 | 3,90                          | 4,05 | 4,15 | 4,65 | 5,05 |     |
| 3,20                                                        | 3,45                          | 3,55 | 3,65 | 3,95 | 4,20 | 3,45 | 3,70                          | 3,85 | 3,95 | 4,40 | 4,80 |     |

**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos de cubierta simple y sándwich. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar fichas técnicas vigentes: [www.europerfil.com](http://www.europerfil.com)  
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**Perfiles de Cubierta Deck**

Roof Deck profiles

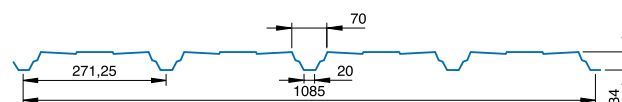
**EUROFORM 34 CD**

Perfil / Profile 4.271.34



Espesor Thickness (mm)

|                                      | 0,70   | 0,75   | 0,80   | 0,88   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 6,33   | 6,78   | 7,24   | 7,96   | 9,04   | 10,85  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 9,979  | 10,735 | 11,491 | 12,700 | 14,514 | 17,538 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 3,682  | 3,960  | 4,239  | 4,685  | 5,353  | 6,467  |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 14,470 | 15,570 | 16,670 | 18,432 | 21,077 | 25,492 |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

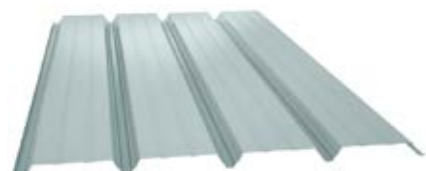
| Sobrecarga de uso<br>Variable actions<br>(kN/m <sup>2</sup> ) | Cargas permanentes<br>Permanent actions<br>(kN/m <sup>2</sup> ) | Espesor Thickness (mm)   |      |      |      |      |      |                          |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|------|------|------|------|------|--------------------------|------|------|------|------|------|
|                                                               |                                                                 | 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      | 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      |
|                                                               |                                                                 | 1,00                     | 0,15 | 1,73 | 1,83 | 2,00 | 2,10 | 2,22                     | 2,07 | 2,14 | 2,24 | 2,39 | 2,62 |
|                                                               | 0,20                                                            | 1,73                     | 1,83 | 1,99 | 2,07 | 2,19 | 2,07 | 2,14                     | 2,24 | 2,39 | 2,62 | 2,07 | 2,14 |
|                                                               | 0,25                                                            | 1,73                     | 1,83 | 1,97 | 2,05 | 2,17 | 2,07 | 2,14                     | 2,24 | 2,39 | 2,62 | 2,07 | 2,14 |
|                                                               | 1,00                                                            | 1,61                     | 1,64 | 1,69 | 1,77 | 1,87 | 1,95 | 1,99                     | 2,05 | 2,14 | 2,26 | 1,90 | 1,94 |
| 1,25                                                          | 0,15                                                            | 1,73                     | 1,81 | 1,86 | 1,95 | 2,07 | 2,07 | 2,14                     | 2,24 | 2,35 | 2,50 | 2,07 | 2,13 |
|                                                               | 0,25                                                            | 1,73                     | 1,80 | 1,86 | 1,93 | 2,05 | 2,07 | 2,14                     | 2,24 | 2,34 | 2,48 | 2,07 | 2,13 |
| 1,50                                                          | 0,15                                                            | 1,66                     | 1,70 | 1,75 | 1,83 | 1,95 | 2,01 | 2,06                     | 2,12 | 2,21 | 2,35 | 1,96 | 2,01 |
|                                                               | 0,25                                                            | 1,66                     | 1,70 | 1,75 | 1,83 | 1,95 | 2,01 | 2,06                     | 2,12 | 2,21 | 2,35 | 1,96 | 2,01 |
|                                                               | 1,20                                                            | 1,46                     | 1,49 | 1,54 | 1,60 | 1,70 | 1,77 | 1,80                     | 1,86 | 1,94 | 2,06 | 1,72 | 1,76 |
| 1,75                                                          | 0,15                                                            | 1,58                     | 1,61 | 1,67 | 1,74 | 1,85 | 1,91 | 1,95                     | 2,02 | 2,10 | 2,24 | 1,86 | 1,90 |
|                                                               | 0,25                                                            | 1,58                     | 1,61 | 1,67 | 1,74 | 1,85 | 1,91 | 1,95                     | 2,02 | 2,10 | 2,24 | 1,86 | 1,90 |
| 2,00                                                          | 0,15                                                            | 1,51                     | 1,54 | 1,59 | 1,66 | 1,77 | 1,83 | 1,87                     | 1,93 | 2,01 | 2,14 | 1,78 | 1,82 |
|                                                               | 0,25                                                            | 1,51                     | 1,54 | 1,59 | 1,66 | 1,77 | 1,83 | 1,87                     | 1,93 | 2,01 | 2,14 | 1,78 | 1,82 |

**Aplicaciones Scope**

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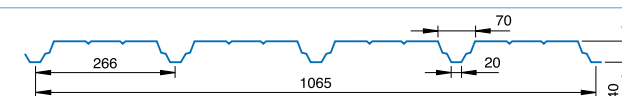
**EUROBASE 40 CD**

Perfil / Profile 4.266.40



Espesor Thickness (mm)

|                                      | 0,70   | 0,75   | 0,80   | 0,88   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 6,45   | 6,91   | 7,37   | 8,11   | 9,22   | 11,06  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 14,643 | 15,753 | 16,862 | 18,637 | 21,299 | 25,737 |
| W <sub>1</sub> (cm <sup>3</sup> /ml) | 4,668  | 5,021  | 5,374  | 5,940  | 6,787  | 8,200  |
| W <sub>2</sub> (cm <sup>3</sup> /ml) | 16,972 | 18,261 | 19,550 | 21,615 | 24,714 | 29,885 |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

| Sobrecarga de uso<br>Variable actions<br>(kN/m <sup>2</sup> ) | Cargas permanentes<br>Permanent actions<br>(kN/m <sup>2</sup> ) | Espesor Thickness (mm)        |      |      |      |      |      |                               |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|
|                                                               |                                                                 | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      |
|                                                               |                                                                 | 1,00                          | 0,15 | 2,03 | 2,18 | 2,23 | 2,30 | 2,40                          | 2,55 | 2,49 | 2,60 | 2,68 | 2,81 |
|                                                               | 0,20                                                            | 2,03                          | 2,17 | 2,22 | 2,29 | 2,38 | 2,52 | 2,49                          | 2,60 | 2,68 | 2,81 | 2,98 | 3,15 |
|                                                               | 0,25                                                            | 2,03                          | 2,15 | 2,19 | 2,26 | 2,35 | 2,48 | 2,49                          | 2,60 | 2,68 | 2,81 | 2,94 | 3,11 |
|                                                               | 1,00                                                            | 1,81                          | 1,85 | 1,89 | 1,94 | 2,03 | 2,15 | 2,13                          | 2,20 | 2,27 | 2,37 | 2,52 | 2,69 |
| 1,25                                                          | 0,15                                                            | 1,98                          | 2,03 | 2,07 | 2,14 | 2,23 | 2,37 | 2,48                          | 2,54 | 2,59 | 2,68 | 2,79 | 2,97 |
|                                                               | 0,25                                                            | 1,98                          | 2,02 | 2,07 | 2,13 | 2,22 | 2,35 | 2,44                          | 2,52 | 2,59 | 2,67 | 2,78 | 2,94 |
| 1,50                                                          | 0,15                                                            | 1,86                          | 1,91 | 1,95 | 2,01 | 2,10 | 2,23 | 2,33                          | 2,39 | 2,44 | 2,52 | 2,63 | 2,79 |
|                                                               | 0,25                                                            | 1,86                          | 1,91 | 1,95 | 2,01 | 2,10 | 2,23 | 2,27                          | 2,34 | 2,42 | 2,52 | 2,63 | 2,79 |
|                                                               | 1,20                                                            | 1,64                          | 1,68 | 1,71 | 1,76 | 1,84 | 1,95 | 1,84                          | 1,90 | 1,96 | 2,05 | 2,18 | 2,38 |
| 1,75                                                          | 0,15                                                            | 1,77                          | 1,81 | 1,85 | 1,91 | 1,99 | 2,12 | 2,18                          | 2,25 | 2,32 | 2,39 | 2,50 | 2,65 |
|                                                               | 0,25                                                            | 1,77                          | 1,81 | 1,85 | 1,91 | 1,99 | 2,12 | 2,13                          | 2,20 | 2,27 | 2,37 | 2,50 | 2,65 |
| 2,00                                                          | 0,15                                                            | 1,69                          | 1,73 | 1,77 | 1,83 | 1,91 | 2,03 | 2,05                          | 2,12 | 2,19 | 2,29 | 2,39 | 2,54 |
|                                                               | 0,25                                                            | 1,69                          | 1,73 | 1,77 | 1,83 | 1,91 | 2,03 | 2,01                          | 2,08 | 2,14 | 2,24 | 2,38 | 2,54 |

**Aplicaciones Scope**

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Note: 1 daN = 0,98 Kg. I<sub>y</sub>: momento de inercia W<sub>1</sub>, W<sub>2</sub>: módulo resistente  
Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europerfil en chapa de acero, otros materiales consultar.  
Las tablas incluyen los coeficientes de mayoración según normativa vigentes.  
Estos son : 1,5 para sobrecargas de uso y 1,35 para cargas permanentes

Note: 1 daN = 0,98 Kg. I<sub>y</sub>: moment of inertia W<sub>1</sub>, W<sub>2</sub>: resistant module  
The overload tables are calculations and testing made on steel sheet Europerfil profiles.  
For other materials, please ask us.  
The tables include the coefficients of increase according to current regulations.  
These are: 1.5 for use overloads and 1.35 for permanent loads.



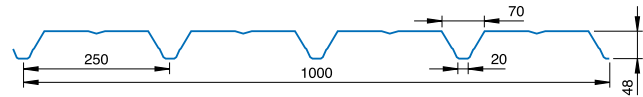
**EUROBASE 48 CD**

Perfil / Profile 4.250.48



Espesor Thickness (mm)

|                                      | 0,70   | 0,75   | 0,80   | 0,88   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 6,87   | 7,36   | 7,85   | 8,64   | 9,81   | 11,78  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 23,270 | 25,033 | 26,796 | 29,617 | 33,847 | 40,899 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 6,379  | 6,862  | 7,345  | 8,117  | 9,276  | 11,206 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 20,201 | 21,734 | 23,268 | 25,723 | 29,408 | 35,554 |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

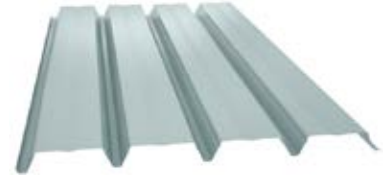
| Sobrecarga de uso<br>Variable actions<br>(kN/m <sup>2</sup> ) | Cargas permanentes<br>Permanent actions<br>(kN/m <sup>2</sup> ) | Espesor Thickness (mm)        |      |      |      |      |      |                               |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|
|                                                               |                                                                 | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      |
|                                                               |                                                                 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 |
| 1,00                                                          | 0,15                                                            | 2,54                          | 2,61 | 2,67 | 2,75 | 2,87 | 3,04 | 3,30                          | 3,37 | 3,45 | 3,56 | 3,71 | 3,93 |
|                                                               | 0,20                                                            | 2,54                          | 2,60 | 2,65 | 2,73 | 2,84 | 3,00 | 3,28                          | 3,35 | 3,42 | 3,53 | 3,67 | 3,88 |
|                                                               | 0,25                                                            | 2,51                          | 2,56 | 2,62 | 2,69 | 2,80 | 2,97 | 3,22                          | 3,31 | 3,38 | 3,48 | 3,62 | 3,83 |
|                                                               | 1,00                                                            | 2,16                          | 2,21 | 2,25 | 2,32 | 2,42 | 2,56 | 2,57                          | 2,66 | 2,74 | 2,87 | 3,05 | 3,31 |
| 1,25                                                          | 0,15                                                            | 2,37                          | 2,42 | 2,48 | 2,56 | 2,67 | 2,83 | 3,04                          | 3,13 | 3,20 | 3,30 | 3,45 | 3,66 |
|                                                               | 0,25                                                            | 2,37                          | 2,42 | 2,47 | 2,54 | 2,65 | 2,80 | 2,95                          | 3,05 | 3,14 | 3,29 | 3,42 | 3,62 |
|                                                               | 0,15                                                            | 2,23                          | 2,28 | 2,33 | 2,41 | 2,51 | 2,67 | 2,81                          | 2,90 | 2,99 | 3,11 | 3,24 | 3,45 |
|                                                               | 0,25                                                            | 2,23                          | 2,28 | 2,33 | 2,41 | 2,51 | 2,67 | 2,73                          | 2,83 | 2,92 | 3,05 | 3,24 | 3,45 |
| 1,50                                                          | 1,20                                                            | 1,96                          | 2,00 | 2,04 | 2,11 | 2,20 | 2,33 | 2,22                          | 2,30 | 2,37 | 2,48 | 2,64 | 2,88 |
|                                                               | 0,15                                                            | 2,12                          | 2,17 | 2,21 | 2,29 | 2,38 | 2,53 | 2,62                          | 2,71 | 2,79 | 2,93 | 3,08 | 3,27 |
|                                                               | 0,25                                                            | 2,12                          | 2,17 | 2,21 | 2,29 | 2,38 | 2,53 | 2,56                          | 2,65 | 2,73 | 2,86 | 3,04 | 3,27 |
|                                                               | 0,15                                                            | 2,03                          | 2,07 | 2,12 | 2,19 | 2,28 | 2,42 | 2,47                          | 2,55 | 2,63 | 2,76 | 2,93 | 3,13 |
| 2,00                                                          | 0,25                                                            | 2,03                          | 2,07 | 2,12 | 2,19 | 2,28 | 2,42 | 2,42                          | 2,50 | 2,58 | 2,70 | 2,87 | 3,13 |
|                                                               | 0,15                                                            | 2,03                          | 2,07 | 2,12 | 2,19 | 2,28 | 2,42 | 2,42                          | 2,50 | 2,58 | 2,70 | 2,87 | 3,13 |
|                                                               | 0,15                                                            | 2,03                          | 2,07 | 2,12 | 2,19 | 2,28 | 2,42 | 2,42                          | 2,50 | 2,58 | 2,70 | 2,87 | 3,13 |
|                                                               | 0,15                                                            | 2,03                          | 2,07 | 2,12 | 2,19 | 2,28 | 2,42 | 2,42                          | 2,50 | 2,58 | 2,70 | 2,87 | 3,13 |

**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck.  
Para un correcto dimensionado frente a solicitaciones a succión de viento consultar nuestro departamento técnico.  
Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings. For a correct dimensioning in front of wind suction requests consult our technical department.

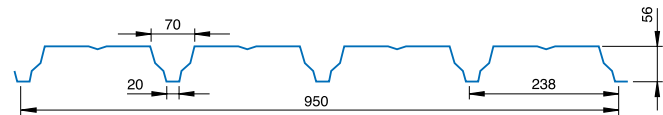
**EUROBASE 56 CD**

Perfil / Profile 4.238.56



Espesor Thickness (mm)

|                                      | 0,70   | 0,75   | 0,80   | 0,88   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 7,23   | 7,75   | 8,26   | 9,09   | 10,33  | 12,39  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 34,475 | 37,087 | 39,699 | 43,878 | 50,146 | 60,593 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 8,340  | 8,971  | 9,603  | 10,613 | 12,128 | 14,652 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 23,514 | 25,298 | 27,083 | 29,939 | 34,225 | 41,374 |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

| Sobrecarga de uso<br>Variable actions<br>(kN/m <sup>2</sup> ) | Cargas permanentes<br>Permanent actions<br>(kN/m <sup>2</sup> ) | Espesor Thickness (mm)        |      |      |      |      |      |                               |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|
|                                                               |                                                                 | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      |
|                                                               |                                                                 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 |
| 1,00                                                          | 0,15                                                            | 2,88                          | 3,09 | 3,16 | 3,26 | 3,41 | 3,62 | 3,73                          | 3,81 | 3,90 | 4,02 | 4,20 | 4,46 |
|                                                               | 0,20                                                            | 2,88                          | 3,09 | 3,15 | 3,25 | 3,40 | 3,61 | 3,72                          | 3,80 | 3,89 | 4,01 | 4,19 | 4,45 |
|                                                               | 0,25                                                            | 2,88                          | 3,05 | 3,11 | 3,21 | 3,35 | 3,56 | 3,67                          | 3,75 | 3,84 | 3,96 | 4,13 | 4,39 |
|                                                               | 1,00                                                            | 2,56                          | 2,62 | 2,68 | 2,76 | 2,88 | 3,06 | 2,97                          | 3,07 | 3,17 | 3,32 | 3,53 | 3,78 |
| 1,25                                                          | 0,15                                                            | 2,81                          | 2,87 | 2,94 | 3,03 | 3,16 | 3,36 | 3,46                          | 3,54 | 3,62 | 3,73 | 3,90 | 4,14 |
|                                                               | 0,25                                                            | 2,81                          | 2,87 | 2,94 | 3,03 | 3,16 | 3,36 | 3,41                          | 3,52 | 3,62 | 3,73 | 3,90 | 4,14 |
|                                                               | 0,15                                                            | 2,64                          | 2,70 | 2,76 | 2,85 | 2,98 | 3,16 | 3,26                          | 3,33 | 3,40 | 3,51 | 3,67 | 3,90 |
|                                                               | 0,25                                                            | 2,64                          | 2,70 | 2,76 | 2,85 | 2,98 | 3,16 | 3,16                          | 3,27 | 3,38 | 3,51 | 3,67 | 3,90 |
| 1,50                                                          | 1,20                                                            | 2,32                          | 2,38 | 2,43 | 2,51 | 2,62 | 2,78 | 2,56                          | 2,65 | 2,73 | 2,87 | 3,05 | 3,34 |
|                                                               | 0,15                                                            | 2,51                          | 2,57 | 2,62 | 2,71 | 2,83 | 3,00 | 3,04                          | 3,14 | 3,23 | 3,34 | 3,48 | 3,70 |
|                                                               | 0,25                                                            | 2,51                          | 2,57 | 2,62 | 2,71 | 2,83 | 3,00 | 2,97                          | 3,07 | 3,17 | 3,32 | 3,48 | 3,70 |
|                                                               | 0,15                                                            | 2,40                          | 2,46 | 2,51 | 2,59 | 2,70 | 2,87 | 2,86                          | 2,96 | 3,05 | 3,19 | 3,33 | 3,54 |
| 2,00                                                          | 0,25                                                            | 2,40                          | 2,46 | 2,51 | 2,59 | 2,70 | 2,87 | 2,80                          | 2,90 | 2,99 | 3,13 | 3,33 | 3,54 |
|                                                               | 0,15                                                            | 2,40                          | 2,46 | 2,51 | 2,59 | 2,70 | 2,87 | 2,80                          | 2,90 | 2,99 | 3,13 | 3,33 | 3,54 |
|                                                               | 0,15                                                            | 2,40                          | 2,46 | 2,51 | 2,59 | 2,70 | 2,87 | 2,80                          | 2,90 | 2,99 | 3,13 | 3,33 | 3,54 |
|                                                               | 0,15                                                            | 2,40                          | 2,46 | 2,51 | 2,59 | 2,70 | 2,87 | 2,80                          | 2,90 | 2,99 | 3,13 | 3,33 | 3,54 |

**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck.  
Para un correcto dimensionado frente a solicitaciones a succión de viento consultar nuestro departamento técnico.  
Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings. For a correct dimensioning in front of wind suction requests consult our technical department.

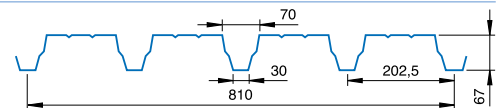
**EUROBASE 67 CD**

Perfil / Profile 4.202.67



Espesor Thickness (mm)

|                                      | 0,70   | 0,75   | 0,80   | 0,88   | 1,00   | 1,20    |
|--------------------------------------|--------|--------|--------|--------|--------|---------|
| Peso Weight (kg/m <sup>2</sup> )     | 8,48   | 9,09   | 9,69   | 10,66  | 12,11  | 14,54   |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 63,778 | 68,609 | 73,441 | 81,172 | 92,768 | 112,094 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 14,207 | 15,282 | 16,358 | 18,078 | 20,658 | 24,956  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 28,848 | 31,037 | 33,226 | 36,731 | 41,989 | 50,760  |



CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)

| Sobrecarga de uso<br>Variable actions<br>(kN/m <sup>2</sup> ) | Cargas permanentes<br>Permanent actions<br>(kN/m <sup>2</sup> ) | Espesor Thickness (mm)        |      |      |      |      |      |                               |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|
|                                                               |                                                                 | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      | 0,70 0,75 0,80 0,88 1,00 1,20 |      |      |      |      |      |
|                                                               |                                                                 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 | 0,70                          | 0,75 | 0,80 | 0,88 | 1,00 | 1,20 |
| 1,00                                                          | 0,15                                                            | 3,26                          | 3,49 | 3,56 | 3,68 | 3,84 | 4,08 | 4,38                          | 4,48 | 4,58 | 4,73 | 4,93 | 5,18 |
|                                                               | 0,20                                                            | 3,26                          | 3,46 | 3,53 | 3,64 | 3,80 | 4,04 | 4,34                          | 4,44 | 4,54 | 4,69 | 4,89 | 5,18 |
|                                                               | 0,25                                                            | 3,26                          | 3,41 | 3,49 | 3,60 | 3,75 | 3,99 | 4,27                          | 4,39 | 4,48 | 4,63 | 4,83 | 5,13 |
|                                                               | 1,00                                                            | 2,87                          | 2,94 | 3,00 | 3,10 | 3,24 | 3,44 | 3,42                          | 3,53 | 3,65 | 3,82 | 4,07 | 4,42 |
| 1,25                                                          | 0,15                                                            | 3,16                          | 3,24 | 3,31 | 3,41 | 3,56 | 3,78 | 4,05                          | 4,16 | 4,25 | 4,39 | 4,58 | 4,87 |
|                                                               | 0,25                                                            | 3,15                          | 3,22 | 3,29 | 3,40 | 3,55 | 3,77 | 3,92                          | 4,05 | 4,18 | 4,37 | 4,56 | 4,84 |
|                                                               | 0,15                                                            | 2,98                          | 3,04 | 3,11 | 3,21 | 3,35 | 3,56 | 3,75                          | 3,87 | 4,00 | 4,13 | 4,31 | 4,58 |
|                                                               | 0,25                                                            | 2,98                          | 3,04 | 3,11 | 3,21 | 3,35 | 3,56 | 3,64                          | 3,77 | 3,89 | 4,07 | 4,31 | 4,58 |
| 1,50                                                          | 1,20                                                            | 2,61                          | 2,67 | 2,73 | 2,82 | 2,94 | 3,12 | 2,96                          | 3,06 | 3,15 | 3,30 | 3,52 | 3,85 |
|                                                               | 0,15                                                            | 2,83                          | 2,89 | 2,96 | 3,05 | 3,18 | 3,38 | 3,50                          | 3,62 | 3,74 | 3,91 | 4,09 | 4,35 |
|                                                               | 0,25                                                            | 2,83                          | 2,89 | 2,96 | 3,05 | 3,18 | 3,38 | 3,42                          | 3,53 | 3,65 | 3,82 | 4,07 | 4,35 |
|                                                               | 0,15                                                            | 2,70                          | 2,77 | 2,83 | 2,92 | 3,04 | 3,24 | 3,30                          | 3,41 | 3,52 | 3,69 | 3,91 | 4,16 |
| 2,00                                                          | 0,25                                                            | 2,70                          | 2,77 | 2,83 | 2,92 | 3,04 | 3,24 | 3,23                          | 3,34 | 3,45 | 3,61 | 3,84 | 4,16 |
|                                                               | 0,15                                                            | 2,70                          | 2,77 | 2,83 | 2,92 | 3,04 | 3,24 | 3,23                          | 3,34 | 3,45 | 3,61 | 3,84 | 4,16 |
|                                                               | 0,15                                                            | 2,70                          | 2,77 | 2,83 | 2,92 | 3,04 | 3,24 | 3,23                          | 3,34 | 3,45 | 3,61 | 3,84 | 4,16 |
|                                                               | 0,15                                                            | 2,70                          | 2,77 | 2,83 | 2,92 | 3,04 | 3,24 | 3,23                          | 3,34 | 3,45 | 3,61 | 3,84 | 4,16 |

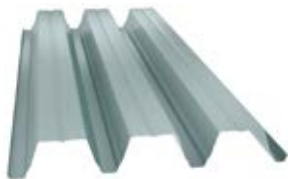
**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar nuestro departamento técnico.  
Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings. For a correct dimensioning in front of wind suction requests consult our technical department.

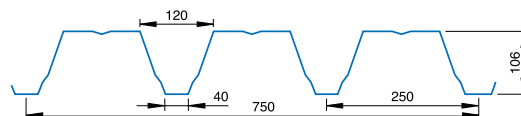


## EUROBASE 106 CD

Perfil / Profile 3.250.106



|                         | Espesor Thickness (mm) |         |         |         |         |
|-------------------------|------------------------|---------|---------|---------|---------|
|                         | 0,75                   | 0,80    | 0,88    | 1,00    | 1,20    |
| Peso Weight (kg/m²)     | 9,81                   | 10,47   | 11,51   | 13,08   | 15,70   |
| I <sub>y</sub> (cm⁴/ml) | 179,580                | 192,227 | 212,461 | 242,813 | 293,399 |
| W <sub>y</sub> (cm³/ml) | 27,600                 | 29,543  | 32,650  | 37,311  | 45,077  |
| W <sub>z</sub> (cm³/ml) | 43,870                 | 46,962  | 51,911  | 59,335  | 71,715  |



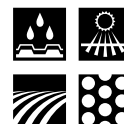
| CUADRO DE LUCES ADMISIBLES PERMISSIBLE SPAN (m)            |                                                       |                        |      |      |      |      |                        |      |      |      |      |
|------------------------------------------------------------|-------------------------------------------------------|------------------------|------|------|------|------|------------------------|------|------|------|------|
| Ancho de apoyo mínimo de 60 mm Minimal support width 60 mm |                                                       |                        |      |      |      |      |                        |      |      |      |      |
| Sobrecarga de uso<br>Variable<br>actions<br>(kN/m²)        | Cargas permanentes<br>Permanent<br>actions<br>(kN/m²) | Espesor Thickness (mm) |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |
|                                                            |                                                       | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 |
|                                                            |                                                       | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 |
| 1,00                                                       | 0,15                                                  | 4,91                   | 5,01 | 5,13 | 5,30 | 5,55 | 5,66                   | 5,83 | 6,02 | 6,28 | 6,64 |
|                                                            | 0,20                                                  | 4,86                   | 4,95 | 5,10 | 5,30 | 5,55 | 5,55                   | 5,72 | 5,98 | 6,28 | 6,64 |
|                                                            | 0,25                                                  | 4,79                   | 4,89 | 5,04 | 5,24 | 5,53 | 5,46                   | 5,63 | 5,88 | 6,24 | 6,64 |
|                                                            | 1,00                                                  | 4,14                   | 4,22 | 4,35 | 4,53 | 4,79 | 4,43                   | 4,57 | 4,79 | 5,08 | 5,73 |
| 1,25                                                       | 0,15                                                  | 4,56                   | 4,66 | 4,81 | 5,01 | 5,25 | 5,15                   | 5,31 | 5,55 | 5,83 | 6,28 |
|                                                            | 0,25                                                  | 4,53                   | 4,62 | 4,76 | 4,95 | 5,24 | 5,00                   | 5,16 | 5,39 | 5,72 | 6,28 |
|                                                            | 0,15                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,01 | 4,76                   | 4,91 | 5,14 | 5,46 | 6,00 |
|                                                            | 0,25                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,00 | 4,64                   | 4,79 | 5,01 | 5,32 | 6,00 |
| 1,50                                                       | 0,15                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,01 | 4,76                   | 4,91 | 5,14 | 5,46 | 6,00 |
|                                                            | 0,25                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,00 | 4,64                   | 4,79 | 5,01 | 5,32 | 6,00 |
|                                                            | 1,20                                                  | 3,76                   | 3,84 | 3,95 | 4,12 | 4,36 | 3,83                   | 3,95 | 4,13 | 4,40 | 4,96 |
| 1,75                                                       | 0,15                                                  | 4,08                   | 4,16 | 4,30 | 4,49 | 4,77 | 4,45                   | 4,59 | 4,80 | 5,10 | 5,75 |
|                                                            | 0,25                                                  | 4,08                   | 4,16 | 4,30 | 4,49 | 4,77 | 4,35                   | 4,49 | 4,70 | 4,99 | 5,63 |
| 2,00                                                       | 0,15                                                  | 3,90                   | 3,98 | 4,11 | 4,29 | 4,56 | 4,19                   | 4,32 | 4,53 | 4,81 | 5,43 |
|                                                            | 0,25                                                  | 3,90                   | 3,98 | 4,11 | 4,29 | 4,56 | 4,11                   | 4,24 | 4,44 | 4,72 | 5,32 |

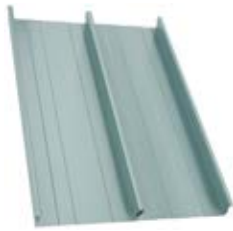
| Ancho de apoyo mínimo de 120 mm Minimal support width 120 mm |                                                       |                        |      |      |      |      |                        |      |      |      |      |
|--------------------------------------------------------------|-------------------------------------------------------|------------------------|------|------|------|------|------------------------|------|------|------|------|
| Sobrecarga de uso<br>Variable<br>actions<br>(kN/m²)          | Cargas permanentes<br>Permanent<br>actions<br>(kN/m²) | Espesor Thickness (mm) |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |
|                                                              |                                                       | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 |
|                                                              |                                                       | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 |
| 1,00                                                         | 0,15                                                  | 4,91                   | 5,01 | 5,13 | 5,30 | 5,55 | 5,86                   | 6,00 | 6,19 | 6,46 | 6,86 |
|                                                              | 0,20                                                  | 4,86                   | 4,95 | 5,10 | 5,30 | 5,55 | 5,75                   | 5,93 | 6,19 | 6,46 | 6,86 |
|                                                              | 0,25                                                  | 4,79                   | 4,89 | 5,04 | 5,24 | 5,53 | 5,65                   | 5,82 | 6,09 | 6,46 | 6,86 |
|                                                              | 1,00                                                  | 4,14                   | 4,22 | 4,35 | 4,53 | 4,79 | 4,59                   | 4,73 | 4,95 | 5,26 | 5,73 |
| 1,25                                                         | 0,15                                                  | 4,56                   | 4,66 | 4,81 | 5,01 | 5,25 | 5,33                   | 5,50 | 5,75 | 6,00 | 6,37 |
|                                                              | 0,25                                                  | 4,53                   | 4,62 | 4,76 | 4,95 | 5,24 | 5,18                   | 5,34 | 5,58 | 5,93 | 6,37 |
| 1,50                                                         | 0,15                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,01 | 4,93                   | 5,09 | 5,32 | 5,65 | 6,00 |
|                                                              | 0,25                                                  | 4,29                   | 4,38 | 4,53 | 4,72 | 5,00 | 4,81                   | 4,96 | 5,19 | 5,51 | 6,00 |
|                                                              | 1,20                                                  | 3,76                   | 3,84 | 3,95 | 4,12 | 4,36 | 3,96                   | 4,09 | 4,28 | 4,55 | 4,96 |
| 1,75                                                         | 0,15                                                  | 4,08                   | 4,16 | 4,30 | 4,49 | 4,77 | 4,61                   | 4,75 | 4,97 | 5,28 | 5,70 |
|                                                              | 0,25                                                  | 4,08                   | 4,16 | 4,30 | 4,49 | 4,77 | 4,51                   | 4,65 | 4,86 | 5,17 | 5,63 |
| 2,00                                                         | 0,15                                                  | 3,90                   | 3,98 | 4,11 | 4,29 | 4,56 | 4,34                   | 4,48 | 4,69 | 4,98 | 5,43 |
|                                                              | 0,25                                                  | 3,90                   | 3,98 | 4,11 | 4,29 | 4,56 | 4,26                   | 4,39 | 4,59 | 4,88 | 5,32 |

| Ancho de apoyo mínimo de 160 mm Minimal support width 160 mm |                                                       |                        |      |      |      |      |                        |      |      |      |      |
|--------------------------------------------------------------|-------------------------------------------------------|------------------------|------|------|------|------|------------------------|------|------|------|------|
| Sobrecarga de uso<br>Variable<br>actions<br>(kN/m²)          | Cargas permanentes<br>Permanent<br>actions<br>(kN/m²) | Espesor Thickness (mm) |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |
|                                                              |                                                       | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 | 0,75                   | 0,80 | 0,88 | 1,00 | 1,20 |
|                                                              |                                                       | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 | 0,15                   | 0,20 | 0,25 | 1,00 | 1,25 |
| 1,00                                                         | 0,15                                                  | 5,05                   | 5,14 | 5,26 | 5,43 | 5,68 | 5,97                   | 6,10 | 6,29 | 6,57 | 6,98 |
|                                                              | 0,20                                                  | 5,01                   | 5,12 | 5,26 | 5,43 | 5,68 | 5,90                   | 6,08 | 6,29 | 6,57 | 6,98 |
|                                                              | 0,25                                                  | 4,95                   | 5,05 | 5,20 | 5,41 | 5,68 | 5,80                   | 5,98 | 6,25 | 6,57 | 6,98 |
|                                                              | 1,00                                                  | 4,27                   | 4,36 | 4,49 | 4,68 | 4,95 | 4,71                   | 4,86 | 5,08 | 5,40 | 5,88 |
| 1,25                                                         | 0,15                                                  | 4,71                   | 4,81 | 4,97 | 5,14 | 5,38 | 5,47                   | 5,64 | 5,84 | 6,10 | 6,48 |
|                                                              | 0,25                                                  | 4,68                   | 4,77 | 4,92 | 5,12 | 5,38 | 5,31                   | 5,48 | 5,73 | 6,08 | 6,48 |
| 1,50                                                         | 0,15                                                  | 4,43                   | 4,53 | 4,67 | 4,88 | 5,14 | 5,06                   | 5,22 | 5,46 | 5,74 | 6,10 |
|                                                              | 0,25                                                  | 4,43                   | 4,53 | 4,67 | 4,88 | 5,14 | 4,93                   | 5,09 | 5,32 | 5,65 | 6,10 |
|                                                              | 1,20                                                  | 3,88                   | 3,96 | 4,08 | 4,25 | 4,51 | 4,07                   | 4,19 | 4,39 | 4,67 | 5,09 |
| 1,75                                                         | 0,15                                                  | 4,21                   | 4,30 | 4,44 | 4,63 | 4,92 | 4,73                   | 4,88 | 5,10 | 5,42 | 5,79 |
|                                                              | 0,25                                                  | 4,21                   | 4,30 | 4,44 | 4,63 | 4,92 | 4,62                   | 4,77 | 4,99 | 5,30 | 5,78 |
| 2,00                                                         | 0,15                                                  | 4,03                   | 4,11 | 4,25 | 4,43 | 4,71 | 4,45                   | 4,59 | 4,81 | 5,11 | 5,57 |
|                                                              | 0,25                                                  | 4,03                   | 4,11 | 4,25 | 4,43 | 4,71 | 4,37                   | 4,50 | 4,71 | 5,01 | 5,46 |

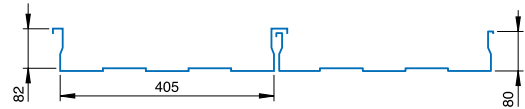
### Aplicaciones Scope

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck. Para un correcto dimensionado frente a solicitaciones a succión de viento consultar nuestro departamento técnico  
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**EUROBAC 80 CD**  
Perfil / Profile 1.405.80

|                         | Espesor Thickness (mm) |         |         |
|-------------------------|------------------------|---------|---------|
|                         | 0,75                   | 1,00    | 1,20    |
| Peso Weight (kg/m²)     | 9,09                   | 12,11   | 14,54   |
| I <sub>y</sub> (cm⁴/ml) | 96,600                 | 130,621 | 157,842 |
| W <sub>y</sub> (cm³/ml) | 50,898                 | 68,535  | 82,541  |
| W <sub>z</sub> (cm³/ml) | 15,831                 | 21,434  | 25,928  |



| CUADRO DE LUCES ADMISIBLES <i>PERMISSIBLE SPAN</i> (m)  |                                                           |                                                                                    |      |      |                                                                                     |      |      |
|---------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|------|------|-------------------------------------------------------------------------------------|------|------|
| CARGAS DESCENDENTES <i>POSITIVE LOADS</i>               |                                                           |                                                                                    |      |      |                                                                                     |      |      |
| Sobrecarga de uso<br><i>Variable actions</i><br>(kN/m²) | Cargas permanentes<br><i>Permanent actions</i><br>(kN/m²) |  |      |      |  |      |      |
|                                                         |                                                           | Espesor <i>Thickness</i> (mm)                                                      |      |      |                                                                                     |      |      |
|                                                         |                                                           | 0,75                                                                               | 1,00 | 1,20 | 0,75                                                                                | 1,00 | 1,20 |
| 1,00                                                    | 0,15                                                      | 3,45                                                                               | 4,41 | 4,68 | 4,72                                                                                | 5,45 | 5,87 |
|                                                         | 0,20                                                      | 3,45                                                                               | 4,36 | 4,63 | 4,63                                                                                | 5,35 | 5,79 |
|                                                         | 0,25                                                      | 3,45                                                                               | 4,31 | 4,58 | 4,55                                                                                | 5,25 | 5,72 |
|                                                         | 1,00                                                      | 3,24                                                                               | 3,72 | 3,95 | 3,69                                                                                | 4,26 | 4,67 |
| 1,25                                                    | 0,15                                                      | 3,45                                                                               | 4,14 | 4,40 | 4,29                                                                                | 4,96 | 5,43 |
|                                                         | 0,25                                                      | 3,45                                                                               | 4,08 | 4,34 | 4,20                                                                                | 4,85 | 5,32 |
| 1,50                                                    | 0,15                                                      | 3,45                                                                               | 3,92 | 4,16 | 3,97                                                                                | 4,58 | 5,02 |
|                                                         | 0,25                                                      | 3,41                                                                               | 3,85 | 4,09 | 3,87                                                                                | 4,47 | 4,89 |
|                                                         | 1,20                                                      | 2,76                                                                               | 3,19 | 3,49 | 3,19                                                                                | 3,68 | 4,03 |
|                                                         | 0,25                                                      | 3,26                                                                               | 3,73 | 3,96 | 3,71                                                                                | 4,28 | 4,69 |
| 1,75                                                    | 0,25                                                      | 3,18                                                                               | 3,67 | 3,90 | 3,62                                                                                | 4,19 | 4,58 |
|                                                         | 0,15                                                      | 3,05                                                                               | 3,53 | 3,80 | 3,49                                                                                | 4,03 | 4,42 |
| 2,00                                                    | 0,25                                                      | 2,99                                                                               | 3,45 | 3,74 | 3,42                                                                                | 3,95 | 4,33 |

**Aplicaciones Scope**

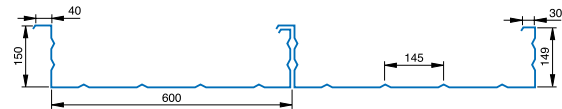
Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck.

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**EUROBAC 150 CD**  
Perfil / Profile 1.600.150

|                         | Espesor Thickness (mm) |         |         |
|-------------------------|------------------------|---------|---------|
|                         | 0,75                   | 1,00    | 1,20    |
| Peso Weight (kg/m²)     | 9,83                   | 13,10   | 15,72   |
| I <sub>y</sub> (cm⁴/ml) | 374,780                | 506,750 | 612,331 |
| W <sub>y</sub> (cm³/ml) | 97,327                 | 131,345 | 158,466 |
| W <sub>z</sub> (cm³/ml) | 33,615                 | 45,482  | 54,987  |



| CUADRO DE LUCES ADMISIBLES <i>PERMISSIBLE SPAN</i> (m) |                                                    |                                                                                     |      |      |                                                                                       |      |      |                                                                                       |      |      |                               |
|--------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|------|------|---------------------------------------------------------------------------------------|------|------|---------------------------------------------------------------------------------------|------|------|-------------------------------|
| CARGAS DESCENDENTES <i>POSITIVE LOADS</i>              |                                                    |                                                                                     |      |      |                                                                                       |      |      |                                                                                       |      |      |                               |
| Sobrecarga de uso<br>Variable actions<br>(kN/m²)       | Cargas permanentes<br>Permanent actions<br>(kN/m²) |  |      |      |  |      |      |  |      |      | Espesor <i>Thickness</i> (mm) |
|                                                        |                                                    |                                                                                     |      |      |                                                                                       |      |      |                                                                                       |      |      |                               |
|                                                        |                                                    | 0,75                                                                                | 1,00 | 1,20 | 0,75                                                                                  | 1,00 | 1,20 | 0,75                                                                                  | 1,00 | 1,20 |                               |
| 1,00                                                   | 0,15                                               | 4,70                                                                                | 5,35 | 5,90 | 5,15                                                                                  | 5,85 | 6,45 | 5,45                                                                                  | 5,66 | 5,66 |                               |
|                                                        | 0,20                                               | 4,60                                                                                | 5,25 | 5,80 | 5,05                                                                                  | 5,75 | 6,35 | 5,35                                                                                  | 5,66 | 5,66 |                               |
|                                                        | 0,25                                               | 4,50                                                                                | 5,15 | 5,70 | 4,95                                                                                  | 5,65 | 6,25 | 5,25                                                                                  | 5,66 | 5,66 |                               |
|                                                        | 1,00                                               | 3,00                                                                                | 3,95 | 4,70 | 3,35                                                                                  | 4,45 | 5,10 | 3,50                                                                                  | 4,60 | 5,45 |                               |
| 1,25                                                   | 0,15                                               | 4,05                                                                                | 4,90 | 5,40 | 4,55                                                                                  | 5,35 | 5,90 | 4,75                                                                                  | 5,65 | 5,66 |                               |
|                                                        | 0,25                                               | 3,80                                                                                | 4,75 | 5,25 | 4,30                                                                                  | 5,20 | 5,75 | 4,45                                                                                  | 5,50 | 5,66 |                               |
| 1,50                                                   | 0,15                                               | 3,45                                                                                | 4,50 | 5,00 | 3,90                                                                                  | 4,95 | 5,50 | 4,05                                                                                  | 5,25 | 5,66 |                               |
|                                                        | 0,25                                               | 3,30                                                                                | 4,30 | 4,90 | 3,70                                                                                  | 4,85 | 5,35 | 3,85                                                                                  | 5,05 | 5,66 |                               |
|                                                        | 1,20                                               | 2,25                                                                                | 2,95 | 3,65 | 2,50                                                                                  | 3,30 | 4,10 | 2,60                                                                                  | 3,45 | 4,25 |                               |
| 1,75                                                   | 0,15                                               | 3,05                                                                                | 4,00 | 4,70 | 3,40                                                                                  | 4,45 | 5,15 | 3,55                                                                                  | 4,65 | 5,45 |                               |
|                                                        | 0,25                                               | 2,90                                                                                | 3,80 | 4,60 | 3,25                                                                                  | 4,25 | 5,05 | 3,40                                                                                  | 4,45 | 5,35 |                               |
| 2,00                                                   | 0,15                                               | 2,70                                                                                | 3,55 | 4,35 | 3,00                                                                                  | 3,95 | 4,85 | 3,15                                                                                  | 4,15 | 5,10 |                               |
|                                                        | 0,25                                               | 2,60                                                                                | 3,40 | 4,20 | 2,90                                                                                  | 3,80 | 4,70 | 3,00                                                                                  | 3,95 | 4,90 |                               |

**Aplicaciones Scope**

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TABLA DE CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS TABLE

PERFILES DE CUBIERTA Y CUBIERTA DECK DECK AND ROOF DECK PROFILES

|                  | Cumbrera troquelada<br>Embossed ridge | Film plástico<br>Plastic film | Longitud max.<br>de perfilado (mm)<br>Max. profiling length (mm) | Longitud min.<br>de perfilado (mm)<br>Min. profiling length (mm) | Longitud min.<br>de corte (mm)<br>Min. cutting length (mm) | Junta estanca<br>Filler block |
|------------------|---------------------------------------|-------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------|-------------------------------|
| EUROCOVER 34N CS | SÍ YES                                | (PP, E)                       | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROCOVER 40N CS | SÍ YES                                | (PP, L, E)                    | 16.990                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROMODUL 44 CS  | SÍ YES                                | (CM, PP, E)                   | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 48 CS   | SÍ YES                                | (PP,HPF)                      | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 56 CS   | SÍ YES                                | (PP,HPF)                      | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 67 CS   | SÍ YES                                | (PP,HPF)                      | 14.000                                                           | 1.200                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 106 CS  | NO                                    | (PP, L)                       | 16.990                                                           | 1.800                                                            | 1.200                                                      | SÍ YES                        |
| EUROFORM 34 CD   | SÍ YES                                | (CM,PP, HPF)                  | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 40 CD   | SÍ YES                                | (PP,HPF)                      | 16.990                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 48 CD   | NO                                    | (PP,HPF)                      | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 56 CD   | SÍ YES                                | (PP,HPF)                      | 14.000                                                           | 1.800                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 67 CD   | SÍ YES                                | (PP,HPF)                      | 14.000                                                           | 1.200                                                            | 100                                                        | SÍ YES                        |
| EUROBASE 106 CD  | NO                                    | (PP, L)                       | 16.990                                                           | 1.800                                                            | 1.200                                                      | SÍ YES                        |
| EUROBAC 80 CD    | NO                                    | (BL,CM,PP)                    | 14.000                                                           | 2.500                                                            | 100                                                        | NO                            |
| EUROBAC 150 CD   | NO                                    | (BL,CM,PP)                    | 16.990                                                           | 2.500                                                            | 2.500                                                      | NO                            |

(P): Prelacados Coated

(BL): Bandas laterales Sidebands

(CM): Colores metalizados Metallic colors

(PP): Perfilado Prelacado Coated perforated

(HPF): Haironphone prelacado posición fachada Haironphone pre-laquered façade position

(L): Curvado liso Smooth curving

(E): Curvado por embutición prelacado Coated crimp curving

Junta estanca  
Filler blockTranslúcido  
TranslucentPerforado  
PerforatedCurvado  
Curved**EUROPERFIL®**

## Fachada y Fachada Arquitectónica

La fachada de un edificio marca su carácter diferencial. En Europerfil, como especialistas en el desarrollo y fabricación de perfiles de fachada arquitectónica, innovamos constantemente aportando propuestas de estética renovada y diferenciada, creadas para aquellas edificaciones en las que se desee potenciar su imagen.

## Façade and Architectural Façade

A building's facade is what makes it different. As specialists in the development and manufacture of architectural facade profiles, in Europerfil, we constantly innovate by providing proposals for renewed and differentiated aesthetics, created for those buildings which image needs a boost.



EUROLINE 300  
Instituto Guttmann  
(Barcelona, España)  
*Guttmann Institute  
(Barcelona, Spain)*





CRETA  
Embutidos y jamones Los Joaquines  
Pinillos de Polendos (Segovia, España/*Spain*)



GIZA  
Auditorio de Lugo (Pontevedra, España)  
*Lugo Auditorium (Pontevedra, Spain)*

KEOPS  
Edificio Administrativo. Centro Nacional  
de Microbiología. Majadahonda, Madrid (España)  
*Administration building. National Centre  
of Microbiology. Majadahonda, Madrid (Spain)*

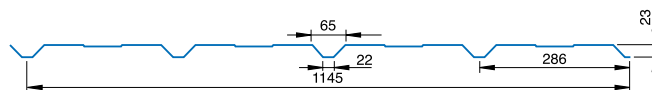


## EUROFORM 23 FS

Perfil / Profile 4.286.23



|                         | Espesor Thickness (mm) |        |        |        |        |        |
|-------------------------|------------------------|--------|--------|--------|--------|--------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 5,22                   | 5,80   | 6,21   | 6,62   | 8,28   | 9,94   |
| I <sub>y</sub> (cm⁴/ml) | 3,669                  | 4,104  | 4,415  | 4,726  | 5,970  | 7,213  |
| W <sub>y</sub> (cm³/ml) | 1,930                  | 2,159  | 2,322  | 2,486  | 3,139  | 3,791  |
| W <sub>z</sub> (cm³/ml) | 9,184                  | 10,281 | 11,065 | 11,849 | 14,994 | 18,151 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | PRESIÓN POSITIVE LOADS |  |  |  |  |  |  |  |  |  |  |  | SUCCIÓN NEGATIVE LOADS |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 134                    | 156  | 168  | 179  | 223  | 268  | 152  | 252  | 270  | 288  |      |      | 182                    | 259  | 278  | 297  |      |      | 140  | 232  | 249  | 266  |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,30                 | 115                    | 134  | 144  | 154  | 192  | 230  | 131  | 194  | 208  | 222  |      |      | 155                    | 221  | 237  | 253  |      |      | 126  | 192  | 206  | 220  |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 100                    | 117  | 125  | 133  | 167  | 200  | 113  | 152  | 163  | 174  |      |      | 134                    | 190  | 204  | 218  | 271  | 325  | 114  | 161  | 173  | 185  | 230  | 276  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 88                     | 103  | 110  | 117  | 147  | 176  | 99   | 121  | 130  | 139  |      |      | 116                    | 166  | 178  | 190  | 237  | 284  | 103  | 137  | 147  | 157  | 196  | 235  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,60                 | 78                     | 91   | 98   | 105  | 130  | 156  | 88   | 98   | 105  | 112  | 140  | 168  | 102                    | 146  | 156  | 166  | 209  | 251  | 93   | 118  | 126  | 134  | 169  | 203  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,70                 | 69                     | 81   | 86   | 92   | 115  | 138  | 78   | 80   | 86   | 92   | 114  | 137  | 91                     | 129  | 138  | 147  | 184  | 221  | 85   | 102  | 109  | 116  | 146  | 175  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,80                 | 59                     | 69   | 74   | 79   | 98   | 118  | 64   | 66   | 71   | 76   | 94   | 113  | 81                     | 115  | 123  | 131  | 164  | 197  | 76   | 90   | 96   | 102  | 129  | 155  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,90                 | 51                     | 60   | 64   | 68   | 85   | 102  | 54   | 59   | 63   | 67   | 84   | 101  | 73                     | 102  | 109  | 116  | 146  | 175  | 67   | 81   | 87   | 93   | 116  | 139  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,00                 | 44                     | 51   | 59   | 63   | 73   | 88   | 45   | 53   | 57   | 61   | 76   | 91   | 66                     | 90   | 96   | 102  | 129  | 155  | 60   | 74   | 79   | 84   | 106  | 127  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,10                 |                        |      | 52   | 55   | 65   | 78   | 38   | 48   | 51   | 54   | 69   | 83   | 59                     | 80   | 86   | 92   | 114  | 137  | 54   | 68   | 73   | 78   | 97   | 116  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,20                 |                        |      |      | 57   | 68   |      |      | 43   | 46   | 49   | 61   | 73   | 54                     | 71   | 76   | 81   | 101  | 121  | 49   | 62   | 66   | 70   | 89   | 107  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,30                 |                        |      |      |      | 50   | 60   |      | 39   | 42   | 45   | 56   | 67   | 50                     | 63   | 68   | 73   | 90   | 108  | 44   | 57   | 61   | 65   | 81   | 97   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,40                 |                        |      |      |      |      |      |      | 36   | 39   | 42   | 51   | 61   |                        | 57   | 61   | 65   | 81   | 97   | 40   | 53   | 57   | 61   | 76   | 91   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,50                 |                        |      |      |      |      |      |      |      | 38   | 41   | 47   | 56   |                        | 51   | 55   | 59   | 73   | 88   | 37   | 49   | 53   | 57   | 70   | 84   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,60                 |                        |      |      |      |      |      |      |      | 35   | 37   | 44   | 53   |                        |      | 50   | 53   | 67   | 80   |      | 45   | 48   | 51   | 64   | 77   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,70                 |                        |      |      |      |      |      |      |      |      |      | 40   | 48   |                        |      |      |      | 61   | 73   |      | 42   | 45   | 48   | 60   | 72   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,80                 |                        |      |      |      |      |      |      |      |      |      | 37   | 44   |                        |      |      |      | 56   | 67   |      | 39   | 42   | 45   | 56   | 67   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,90                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      | 51   | 61   |      |      |      | 37   | 40   | 43   | 53   | 64   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,00                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      | 35   | 38   | 41   | 50   | 60   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,10                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      | 33   | 35   | 37   | 47   | 56   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |

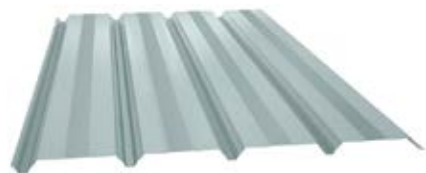
### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.

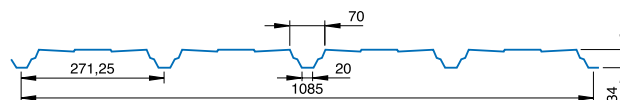


## EUROFORM 34 FS

Perfil / Profile 4.271.34



|                         | Espesor Thickness (mm) |        |        |        |        |        |
|-------------------------|------------------------|--------|--------|--------|--------|--------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 5,70                   | 6,33   | 6,78   | 7,24   | 9,04   | 10,85  |
| I <sub>y</sub> (cm⁴/ml) | 8,920                  | 9,979  | 10,735 | 11,491 | 14,514 | 17,538 |
| W <sub>y</sub> (cm³/ml) | 3,291                  | 3,682  | 3,960  | 4,239  | 5,353  | 6,467  |
| W <sub>z</sub> (cm³/ml) | 12,931                 | 14,470 | 15,570 | 16,670 | 21,077 | 25,492 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | PRESIÓN POSITIVE LOADS |  |  |  |  |  |  |  |  |  |  |  | SUCCIÓN NEGATIVE LOADS |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 162                    |      |      |      |      |      | 162  |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 1,75                 | 102                    | 150  | 161  | 172  |      |      | 102  | 150  | 161  | 172  |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,00                 | 68                     | 101  | 108  | 115  | 144  | 173  | 68   | 101  | 108  | 115  | 144  | 173  | 137                    | 178  | 191  |      |      |      | 137  | 171  | 186  |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,25                 |                        | 71   | 76   | 81   | 101  | 121  |      | 71   | 76   | 81   | 101  | 121  | 96                     | 125  | 134  | 143  | 179  |      | 96   | 122  | 132  | 142  | 179  |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,50                 |                        | 52   | 55   | 59   | 74   | 88   |      | 52   | 55   | 59   | 74   | 88   | 70                     | 91   | 98   | 104  | 130  | 156  | 70   | 91   | 97   | 104  | 130  | 156  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,75                 |                        |      |      | 55   | 66   |      |      |      |      |      | 55   | 66   | 53                     | 69   | 73   | 78   | 98   | 118  | 53   | 69   | 74   | 78   | 98   | 118  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,00                 |                        |      |      |      |      |      |      |      |      |      |      |      | 53                     | 56   | 60   | 75   | 90   |      | 54   | 57   | 61   | 75   | 90   |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,25                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 59   | 71   |      |      |      |      |      |      |      | 59   | 71   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.

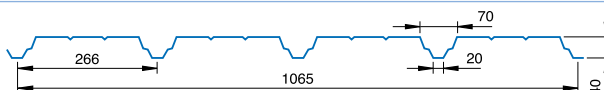


## EUROBASE 40 FS

Perfil / Profile 4.266.40



|                         | Espesor Thickness (mm) |        |        |        |        |        |
|-------------------------|------------------------|--------|--------|--------|--------|--------|
|                         | 0,60                   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 6,18                   | 6,45   | 6,91   | 7,37   | 9,22   | 11,06  |
| I <sub>y</sub> (cm⁴/ml) | 13,090                 | 14,643 | 15,753 | 16,862 | 21,299 | 25,737 |
| W <sub>y</sub> (cm³/ml) | 4,173                  | 4,668  | 5,021  | 5,374  | 6,787  | 8,200  |
| W <sub>z</sub> (cm³/ml) | 15,168                 | 16,972 | 18,261 | 19,550 | 24,714 | 29,885 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | PRESIÓN POSITIVE LOADS |  |  |  |  |  |  |  |  |  |  |  | SUCCIÓN NEGATIVE LOADS |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,00                 | 119                    | 152  | 163  | 174  |      |      | 119  | 152  | 163  | 174  |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,25                 | 84                     | 107  | 114  | 122  | 152  | 183  | 84   | 107  | 114  | 122  | 152  | 183  |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,50                 | 61                     | 78   | 83   | 89   | 111  | 133  | 61   | 78   | 83   | 89   | 111  | 133  | 110                    | 145  | 158  | 170  |      |      | 107  | 139  | 151  | 163  |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,75                 |                        | 58   | 63   | 67   | 83   | 100  |      | 58   | 63   | 67   | 83   | 100  | 86                     | 111  | 120  | 129  | 164  | 197  | 85   | 108  | 117  | 125  | 162  | 197  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,00                 |                        |      |      | 51   | 64   | 77   |      |      |      | 51   | 64   | 77   | 68                     | 88   | 94   | 100  | 126  | 151  | 68   | 86   | 92   | 99   | 125  | 151  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,25                 |                        |      |      |      | 51   | 61   |      |      |      |      | 51   | 61   | 56                     | 70   | 75   | 79   | 99   | 119  | 56   | 70   | 75   | 79   | 99   | 119  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,50                 |                        |      |      |      |      |      |      |      |      |      |      |      | 57                     | 60   | 64   | 79   | 95   |      | 58   | 61   | 65   | 79   | 95   |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,75                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      | 52   | 65   | 77   |      |      | 51   | 53   | 65   | 77   |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |

### Aplicaciones Scope

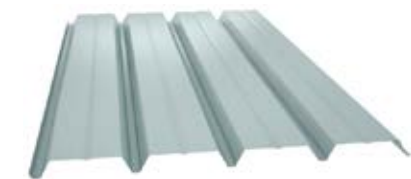
Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.



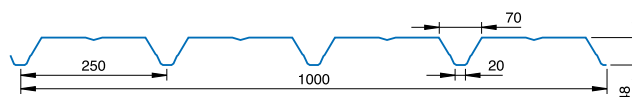
Note: 1 daN = 0,98 Kg. I<sub>y</sub>: momento de inercia W<sub>y</sub>, W<sub>z</sub>: módulo resistente  
Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europrofil en chapa de acero, otros materiales consultar.  
Note: 1 daN = 0,98 Kg. I<sub>y</sub>: moment of inertia W<sub>y</sub>, W<sub>z</sub>: resistant module  
The overload tables are calculations and testing made on steel sheet Europrofil profiles. For other materials, please ask us.

## EUROBASE 48 FS

Perfil / Profile 4.250.48



| Espesor Thickness (mm)  |        |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|--------|
|                         | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 6,18   | 6,87   | 7,36   | 7,85   | 9,81   | 11,78  |
| I <sub>y</sub> (cm⁴/ml) | 20,802 | 23,270 | 25,033 | 26,796 | 33,847 | 40,899 |
| W <sub>y</sub> (cm³/ml) | 5,703  | 6,379  | 6,862  | 7,345  | 9,276  | 11,206 |
| W <sub>z</sub> (cm³/ml) | 18,055 | 20,201 | 21,734 | 23,268 | 29,408 | 35,554 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) |  |      |      |      |      |      |                        |      |      |      |      |      |  |      |      |      |      |      |                        |      |      |      |      |      |
|----------------------|-----------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
|                      | PRESIÓN POSITIVE LOADS                                                            |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS                                                              |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |
|                      | Espesor Thickness (mm)                                                            |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
|                      | 0,60                                                                              | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                                                                                | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,25                 | 156                                                                               | 182  | 195  |      |      |      | 156                    | 182  | 195  |      |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
| 2,50                 | 114                                                                               | 133  | 142  | 152  | 190  |      | 114                    | 133  | 142  | 152  | 190  |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
| 2,75                 | 86                                                                                | 100  | 107  | 114  | 143  | 171  | 86                     | 100  | 107  | 114  | 143  | 171  |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
| 3,00                 | 66                                                                                | 77   | 82   | 88   | 110  | 132  | 66                     | 77   | 82   | 88   | 110  | 132  | 124                                                                                 | 148  | 161  | 174  |      |      | 104                    | 121  | 130  | 139  | 178  |      |
| 3,25                 | 52                                                                                | 60   | 65   | 69   | 86   | 104  | 52                     | 60   | 65   | 69   | 86   | 104  | 102                                                                                 | 120  | 130  | 140  | 183  |      | 88                     | 102  | 110  | 117  | 148  | 185  |
| 3,50                 |                                                                                   |      | 52   | 55   | 69   | 83   |                        |      | 52   | 55   | 69   | 83   | 86                                                                                  | 100  | 107  | 115  | 148  | 179  | 76                     | 88   | 94   | 100  | 125  | 154  |
| 3,75                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 73                                                                                  | 83   | 89   | 95   | 120  | 146  | 66                     | 76   | 81   | 86   | 107  | 130  |
| 4,00                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 62                                                                                  | 71   | 75   | 80   | 100  | 120  | 58                     | 66   | 71   | 75   | 92   | 110  |
| 4,25                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 54                                                                                  | 61   | 64   | 68   | 83   | 100  | 51                     | 59   | 62   | 66   | 80   | 95   |

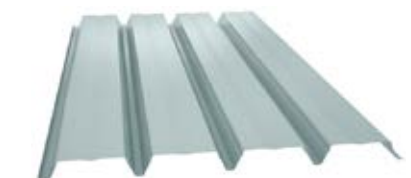
### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.

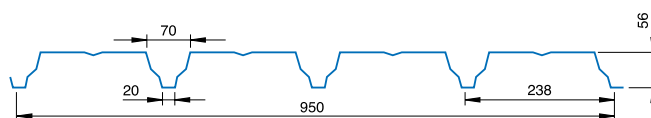


## EUROBASE 56 FS

Perfil / Profile 4.238.56



| Espesor Thickness (mm)  |        |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|--------|
|                         | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 6,51   | 7,23   | 7,75   | 8,26   | 10,33  | 12,39  |
| I <sub>y</sub> (cm⁴/ml) | 30,819 | 34,475 | 37,087 | 39,699 | 50,146 | 60,593 |
| W <sub>y</sub> (cm³/ml) | 7,456  | 8,340  | 8,971  | 9,603  | 12,128 | 14,652 |
| W <sub>z</sub> (cm³/ml) | 21,017 | 23,514 | 25,298 | 27,083 | 34,225 | 41,374 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) |  |      |      |      |      |      |                        |      |      |      |      |      |  |      |      |      |      |      |                        |      |      |      |      |      |
|----------------------|-----------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
|                      | PRESIÓN POSITIVE LOADS                                                            |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS                                                              |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |
|                      | Espesor Thickness (mm)                                                            |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
|                      | 0,60                                                                              | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                                                                                | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,75                 | 143                                                                               | 166  | 178  | 190  |      |      | 143                    | 166  | 178  | 190  |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
| 3,00                 | 110                                                                               | 128  | 137  | 146  | 183  |      | 110                    | 128  | 137  | 146  | 183  |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
| 3,25                 | 86                                                                                | 101  | 108  | 115  | 144  | 173  | 86                     | 101  | 108  | 115  | 144  | 173  | 144                                                                                 | 174  | 190  |      |      |      | 118                    | 137  | 147  | 158  |      |      |
| 3,50                 | 69                                                                                | 81   | 86   | 92   | 115  | 138  | 69                     | 81   | 86   | 92   | 115  | 138  | 119                                                                                 | 142  | 154  | 167  |      |      | 101                    | 117  | 126  | 134  | 172  |      |
| 3,75                 | 56                                                                                | 66   | 70   | 75   | 94   | 112  | 56                     | 66   | 70   | 75   | 94   | 112  | 100                                                                                 | 118  | 127  | 137  | 175  |      | 88                     | 101  | 108  | 115  | 146  | 182  |
| 4,00                 |                                                                                   | 54   | 58   | 62   | 77   | 93   |                        | 54   | 58   | 62   | 77   | 93   | 85                                                                                  | 99   | 106  | 114  | 145  | 174  | 77                     | 88   | 94   | 100  | 125  | 154  |
| 4,25                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 73                                                                                  | 84   | 90   | 96   | 121  | 145  | 68                     | 77   | 82   | 87   | 108  | 132  |
| 4,50                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 63                                                                                  | 72   | 76   | 81   | 102  | 122  | 60                     | 69   | 73   | 77   | 95   | 114  |
| 4,75                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 55                                                                                  | 62   | 66   | 69   | 86   | 104  | 54                     | 61   | 65   | 68   | 83   | 99   |

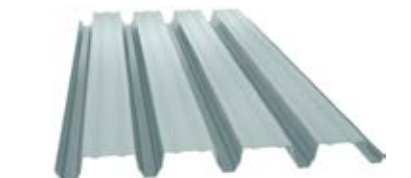
### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.

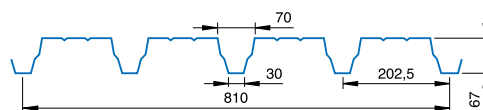


## EUROBASE 67 FS

Perfil / Profile 4.202.67



| Espesor Thickness (mm)  |        |        |        |        |        |         |
|-------------------------|--------|--------|--------|--------|--------|---------|
|                         | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20    |
| Peso Weight (kg/m²)     | 7,63   | 8,48   | 9,09   | 9,69   | 12,11  | 14,54   |
| I <sub>y</sub> (cm⁴/ml) | 57,013 | 63,778 | 68,609 | 73,441 | 92,768 | 112,094 |
| W <sub>y</sub> (cm³/ml) | 12,701 | 14,207 | 15,282 | 16,358 | 20,658 | 24,956  |
| W <sub>z</sub> (cm³/ml) | 25,784 | 28,848 | 31,037 | 33,226 | 41,989 | 50,760  |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) |  |      |      |      |      |      |                        |      |      |      |      |      |  |      |      |      |      |      |                        |      |      |      |      |      |     |
|----------------------|-------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-----|
|                      | PRESIÓN POSITIVE LOADS                                                              |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS                                                                |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |     |
|                      | Espesor Thickness (mm)                                                              |      |      |      |      |      |                        |      |      |      |      |      |                                                                                       |      |      |      |      |      |                        |      |      |      |      |      |     |
|                      | 0,60                                                                                | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                                                                                  | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |     |
| 3,25                 | 121                                                                                 | 144  | 154  | 165  |      |      | 121                    | 144  | 154  | 165  |      |      |                                                                                       |      |      |      |      |      |                        |      |      |      |      |      |     |
| 3,50                 | 96                                                                                  | 115  | 123  | 132  | 165  | 198  | 96                     | 115  | 123  | 132  | 165  | 198  |                                                                                       |      |      |      |      |      |                        |      |      |      |      |      |     |
| 3,75                 | 78                                                                                  | 94   | 100  | 107  | 134  | 161  | 78                     | 94   | 100  | 107  | 134  | 161  | 134                                                                                   | 179  | 196  |      |      |      |                        | 121  | 161  | 174  | 189  |      |     |
| 4,00                 | 65                                                                                  | 77   | 83   | 88   | 110  | 132  | 65                     | 77   | 83   | 88   | 110  | 132  | 114                                                                                   | 151  | 164  | 178  |      |      | 105                    | 138  | 149  | 161  |      |      |     |
| 4,25                 | 54                                                                                  | 64   | 69   | 74   | 92   | 110  | 54                     | 64   | 69   | 74   | 92   | 110  | 98                                                                                    | 128  | 139  | 150  | 195  |      | 92                     | 119  | 129  | 138  | 181  |      |     |
| 4,50                 |                                                                                     | 54   | 58   | 62   | 77   | 93   |                        |      | 54   | 58   | 62   | 77   | 93                                                                                    | 86   | 110  | 119  | 128  | 164  | 198                    | 82   | 104  | 112  | 120  | 155  | 194 |
| 4,75                 |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      | 75                                                                                    | 95   | 102  | 110  | 140  | 168  | 73                     | 92   | 98   | 105  | 133  | 165  |     |
| 5,00                 |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      | 66                                                                                    | 83   | 89   | 95   | 120  | 144  | 65                     | 81   | 86   | 92   | 116  | 142  |     |
| 5,25                 |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      | 59                                                                                    | 73   | 78   | 83   | 104  | 124  | 58                     | 72   | 77   | 81   | 101  | 123  |     |

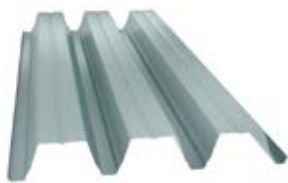
### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.



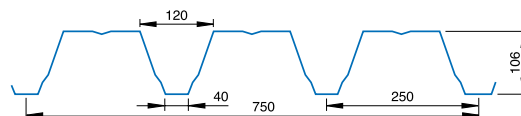
## EUROBASE 106 FS

Perfil / Profile 3.250.106



Espesor Thickness (mm)

|                                      | 0,60    | 0,70    | 0,75    | 0,80    | 1,00    | 1,20    |
|--------------------------------------|---------|---------|---------|---------|---------|---------|
| Peso Weight (kg/m <sup>2</sup> )     | 8,24    | 9,16    | 9,81    | 10,47   | 13,08   | 15,70   |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 149,229 | 166,934 | 179,580 | 192,227 | 242,813 | 293,399 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 22,937  | 25,657  | 27,600  | 29,543  | 37,311  | 45,077  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 36,450  | 40,778  | 43,870  | 46,962  | 59,335  | 71,715  |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      |      |      |  |  |  |  |  |  | SUCCIÓN NEGATIVE LOADS |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,50                 | 130                    | 152  | 163  | 173  |      |      | 123  | 147  | 160  | 172  |      |      | 155                    | 183  | 198  |      |      |      | 152  | 179  | 193  |      |      |      |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,00                 | 95                     | 111  | 119  | 126  | 158  | 190  | 93   | 109  | 117  | 126  | 158  | 190  | 125                    | 146  | 157  | 169  |      |      | 123  | 144  | 155  | 166  |      |      |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,50                 | 71                     | 83   | 89   | 95   | 119  | 143  | 72   | 83   | 89   | 95   | 119  | 143  | 103                    | 119  | 128  | 137  | 177  |      | 101  | 118  | 126  | 135  | 174  |      |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,00                 | 55                     | 64   | 69   | 73   | 91   | 110  | 57   | 65   | 69   | 73   | 91   | 110  | 86                     | 99   | 106  | 113  | 144  | 180  | 85   | 98   | 105  | 112  | 142  | 176  |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,50                 |                        | 50   | 54   | 58   | 72   | 86   |      | 51   | 54   | 58   | 72   | 86   | 73                     | 84   | 89   | 95   | 119  | 147  | 72   | 83   | 88   | 94   | 118  | 144  |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 7,00                 |                        |      |      |      | 58   | 69   |      |      |      |      | 58   | 69   | 63                     | 72   | 76   | 81   | 100  | 121  | 62   | 71   | 76   | 80   | 99   | 119  |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 7,50                 |                        |      |      |      |      |      |      |      |      |      |      |      | 54                     | 62   | 66   | 69   | 85   | 101  | 54   | 61   | 65   | 69   | 84   | 100  |                        |      |      |      |      |      |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como paramento en fachada simple o como paramento exterior o interior en fachada sandwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coating.



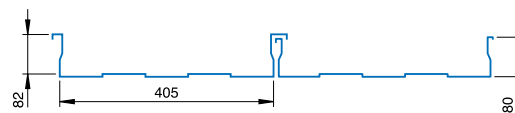
## EUROBAC 80 FS

Perfil / Profile 1.405.80



Espesor Thickness (mm)

|                                      | 0,60   | 0,70   | 0,75   | 0,80    | 1,00    | 1,20    |
|--------------------------------------|--------|--------|--------|---------|---------|---------|
| Peso Weight (kg/m <sup>2</sup> )     | 7,51   | 8,48   | 9,09   | 9,69    | 12,11   | 14,54   |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 80,272 | 89,796 | 96,600 | 103,404 | 130,621 | 157,842 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 42,380 | 47,353 | 50,898 | 54,437  | 68,535  | 82,541  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 13,147 | 14,712 | 15,831 | 16,950  | 21,434  | 25,928  |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |      |      |      |      |      |      | PRESIÓN POSITIVE LOADS |  |  |  |  |  |  |  |  |  |  |  | SUCCIÓN NEGATIVE LOADS |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |      |      |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,50                 | 204                    |      |      |      |      |      | 162  | 134  |      |      |      |      | 257                    |      |      |      |      |      | 201  |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,60                 | 188                    |      |      |      |      |      | 148  | 129  | 138  |      |      |      | 237                    |      |      |      |      |      | 186  |      |      |      |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,70                 | 174                    | 266  |      |      |      |      | 136  | 125  | 134  |      |      |      | 220                    | 345  | 370  | 394  |      |      | 172  | 241  | 258  | 275  |      |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,80                 | 161                    | 246  | 264  |      |      |      | 125  | 120  | 129  | 137  |      |      | 205                    | 321  | 344  | 367  |      |      | 160  | 224  | 240  | 256  | 320  |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 2,90                 | 150                    | 229  | 245  | 262  |      |      | 115  | 115  | 123  | 131  |      |      | 191                    | 299  | 320  | 342  |      |      | 149  | 209  | 224  | 239  | 299  |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,00                 | 140                    | 213  | 228  | 243  |      |      | 107  | 111  | 119  | 127  |      |      | 178                    | 279  | 299  | 319  | 399  |      | 140  | 195  | 209  | 223  | 279  |      |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,10                 | 131                    | 199  | 213  | 227  |      |      | 99   | 106  | 114  | 121  |      |      | 167                    | 262  | 281  | 299  | 375  |      | 131  | 183  | 196  | 209  | 261  | 327  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,20                 | 122                    | 187  | 200  | 214  |      |      | 92   | 102  | 109  | 117  |      |      | 157                    | 246  | 264  | 281  | 351  |      | 123  | 171  | 183  | 195  | 244  | 305  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,30                 | 115                    | 175  | 188  | 200  | 250  |      | 86   | 98   | 105  | 112  |      |      | 147                    | 231  | 248  | 264  | 330  |      | 115  | 161  | 173  | 184  | 230  | 288  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,40                 | 108                    | 164  | 176  | 187  | 234  |      | 80   | 94   | 101  | 107  | 134  |      | 139                    | 218  | 234  | 249  | 311  | 389  | 109  | 152  | 163  | 174  | 217  | 271  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,50                 | 102                    | 155  | 166  | 177  | 221  |      | 75   | 91   | 98   | 104  | 130  |      | 131                    | 205  | 220  | 234  | 293  | 366  | 103  | 143  | 153  | 163  | 204  | 255  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,60                 | 96                     | 146  | 156  | 167  | 209  | 261  | 72   | 87   | 93   | 99   | 124  |      | 124                    | 194  | 208  | 222  | 277  | 346  | 97   | 135  | 145  | 154  | 193  | 241  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,70                 | 90                     | 138  | 148  | 158  | 197  | 246  | 69   | 84   | 90   | 96   | 120  |      | 117                    | 184  | 197  | 210  | 263  | 329  | 92   | 128  | 137  | 146  | 183  | 229  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,80                 | 85                     | 130  | 139  | 149  | 186  | 232  | 67   | 80   | 86   | 91   | 114  |      | 111                    | 174  | 186  | 199  | 249  | 311  | 87   | 122  | 131  | 139  | 174  | 218  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 3,90                 | 80                     | 121  | 130  | 138  | 173  | 216  | 65   | 75   | 80   | 86   | 107  | 134  | 105                    | 165  | 177  | 189  | 236  | 295  | 83   | 115  | 123  | 131  | 164  | 205  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,00                 | 76                     | 113  | 121  | 129  | 161  | 202  | 63   | 70   | 75   | 80   | 100  | 125  | 100                    | 157  | 168  | 179  | 224  | 280  | 79   | 110  | 118  | 126  | 157  | 196  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,10                 | 72                     | 105  | 113  | 120  | 150  | 188  | 61   | 66   | 71   | 75   | 94   | 118  | 95                     | 150  | 161  | 171  | 214  | 268  | 75   | 104  | 111  | 119  | 149  | 186  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,20                 | 69                     | 98   | 105  | 112  | 140  | 175  | 59   | 63   | 68   | 72   | 90   | 113  | 91                     | 143  | 153  | 163  | 204  | 255  | 71   | 99   | 106  | 113  | 141  | 177  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,30                 | 65                     | 91   | 98   | 104  | 130  | 163  | 57   | 59   | 63   | 67   | 84   | 105  | 87                     | 136  | 146  | 155  | 194  | 243  | 68   | 95   | 102  | 109  | 136  | 170  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,40                 | 62                     | 85   | 91   | 97   | 121  | 152  | 55   | 56   | 60   | 64   | 80   | 100  | 83                     | 130  | 139  | 149  | 186  | 232  | 65   | 91   | 98   | 104  | 130  | 163  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,50                 | 59                     | 79   | 85   | 90   | 113  | 141  | 53   | 53   | 57   | 61   | 76   | 95   | 79                     | 124  | 133  | 142  | 177  | 221  | 62   | 87   | 93   | 99   | 124  | 155  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,60                 | 56                     | 74   | 79   | 85   | 106  | 132  | 51   | 50   | 54   | 57   | 71   | 89   | 76                     | 119  | 128  | 136  | 170  | 213  | 59   | 83   | 89   | 95   | 119  | 148  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,70                 | 54                     | 69   | 74   | 79   | 99   | 123  | 50   | 48   | 51   | 55   | 69   | 86   | 73                     | 114  | 122  | 130  | 163  | 204  | 57   | 79   | 85   | 90   | 113  | 141  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,80                 | 51                     | 65   | 70   | 74   | 93   | 116  | 48   | 46   | 49   | 53   | 66   | 82   | 70                     | 109  | 117  | 125  | 156  | 195  | 55   | 76   | 81   | 87   | 109  | 136  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 4,90                 | 49                     | 61   | 65   | 70   | 87   | 109  | 47   | 43   | 46   | 49   | 61   | 77   | 67                     | 105  | 113  | 120  | 150  | 188  | 52   | 73   | 78   | 83   | 104  | 130  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,00                 |                        | 57   | 61   | 65   | 81   | 102  | 45   | 41   | 44   | 47   | 59   | 73   | 64                     | 101  | 108  | 115  | 144  | 180  | 50   | 70   | 75   | 80   | 100  | 125  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,10                 |                        | 54   | 58   | 62   | 77   | 96   |      | 40   | 43   | 46   | 57   | 71   | 62                     | 97   | 104  | 111  | 139  | 173  | 48   | 67   | 72   | 77   | 96   | 120  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,20                 |                        | 50   | 54   | 57   | 71   | 89   |      | 38   | 41   | 43   | 54   | 68   | 59                     | 93   | 100  | 106  | 133  | 166  | 46   | 65   | 70   | 74   | 93   | 116  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,30                 |                        |      | 54   | 67   | 84   |      |      | 36   | 39   | 41   | 51   | 64   | 57                     | 90   | 96   | 103  | 129  | 161  | 45   | 62   | 66   | 71   | 89   | 111  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,40                 |                        |      |      |      |      |      |      |      |      |      |      |      | 55                     | 86   | 92   | 98   | 123  | 154  | 43   | 60   | 64   | 69   | 86   | 107  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,50                 |                        |      |      |      |      |      |      |      |      |      |      |      | 53                     | 83   | 89   | 95   | 119  | 148  | 42   | 58   | 62   | 66   | 83   | 104  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,60                 |                        |      |      |      |      |      |      |      |      |      |      |      | 51                     | 80   | 86   | 91   | 114  | 143  | 40   | 56   | 60   | 64   | 80   | 100  |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,70                 |                        |      |      |      |      |      |      |      |      |      |      |      | 49                     | 77   | 83   | 88   | 110  | 138  | 39   | 54   | 58   | 62   | 77   | 96   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,80                 |                        |      |      |      |      |      |      |      |      |      |      |      | 48                     | 74   | 79   | 85   | 106  | 132  | 37   | 52   | 56   | 59   | 74   | 93   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 5,90                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 71   | 76   | 81   | 101  | 127  | 36   | 50   | 54   | 57   | 71   | 89   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,00                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 68   | 73   | 78   | 97   | 121  | 35   | 49   | 53   | 56   | 70   | 88   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,10                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 64   | 69   | 73   | 91   | 114  |      | 47   | 50   | 54   | 67   | 84   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,20                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 62   | 66   | 71   | 89   | 111  |      | 46   | 49   | 53   | 66   | 82   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,30                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 59   | 63   | 67   | 84   | 105  |      | 44   | 47   | 50   | 63   | 79   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,40                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 56   | 60   | 64   | 80   | 100  |      | 43   | 46   | 49   | 61   | 77   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,50                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 54   | 58   | 62   | 77   | 96   |      | 42   | 45   | 48   | 60   | 75   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |
| 6,60                 |                        |      |      |      |      |      |      |      |      |      |      |      |                        | 52   | 56   | 59   | 74   | 93   |      | 40   | 43   | 46   | 57   | 71   |                        |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como cerramiento interior de fachada sandwich (horizontal y/o vertical) en el interior.  
Self-supporting cassette (tray) for wall cladding as an inner surface (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



Nota: 1 daN = 0,98 Kg. I<sub>y</sub>: momento de inercia W<sub>y</sub>, W<sub>z</sub>: módulo resistente

Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europerfil en chapa de acero, otros materiales consultar.



## EUROBAC 150 FS

Perfil / Profile 1.600.150



Espesor Thickness (mm)

|                         | 0,70    | 0,75    | 0,80    | 1,00    | 1,20    |
|-------------------------|---------|---------|---------|---------|---------|
| Peso Weight (kg/m²)     | 9,17    | 9,83    | 10,48   | 13,10   | 15,72   |
| I <sub>y</sub> (cm⁴/ml) | 348,386 | 374,780 | 401,173 | 506,750 | 612,331 |
| W <sub>y</sub> (cm³/ml) | 90,508  | 97,327  | 104,141 | 131,345 | 158,466 |
| W <sub>z</sub> (cm³/ml) | 31,243  | 33,615  | 35,987  | 45,482  | 54,987  |



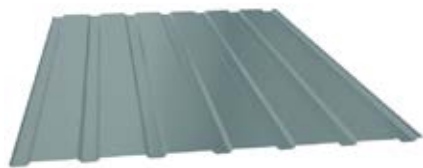
CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      |      | SUCCIÓN NEGATIVE LOADS |  |  |  |  |
|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------------------------|------|------|------|------|------------------------|--|--|--|--|
|                      | Espesor Thickness (mm) |      |      |      |      |      |      |      |      |      |                        |      |      |      |      |                        |      |      |      |      |                        |  |  |  |  |
|                      | 0,70                   | 0,75 | 0,80 | 1,00 | 1,20 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,70                   | 0,75 | 0,80 | 1,00 | 1,20 | 0,70                   | 0,75 | 0,80 | 1,00 | 1,20 |                        |  |  |  |  |
| 4,25                 | 82                     | 103  | 125  |      |      | 86   | 103  | 125  |      |      | 116                    | 134  | 156  |      |      | 109                    | 137  | 166  |      |      |                        |  |  |  |  |
| 4,50                 | 77                     | 97   | 118  | 175  |      | 81   | 97   | 118  | 175  |      | 109                    | 123  | 143  |      |      | 103                    | 130  | 157  |      |      |                        |  |  |  |  |
| 4,75                 | 73                     | 92   | 112  | 166  |      | 77   | 92   | 112  | 166  |      | 102                    | 113  | 131  |      |      | 98                     | 123  | 149  |      |      |                        |  |  |  |  |
| 5,00                 | 70                     | 88   | 106  | 158  |      | 73   | 88   | 106  | 158  |      | 97                     | 105  | 121  | 167  |      | 93                     | 117  | 141  | 210  |      |                        |  |  |  |  |
| 5,25                 | 66                     | 83   | 101  | 150  |      | 69   | 83   | 101  | 143  |      | 90                     | 97   | 112  | 155  |      | 88                     | 111  | 134  | 194  |      |                        |  |  |  |  |
| 5,50                 | 63                     | 80   | 97   | 136  | 178  | 66   | 80   | 95   | 132  | 161  | 84                     | 90   | 104  | 143  |      | 84                     | 106  | 128  | 177  |      |                        |  |  |  |  |
| 5,75                 | 61                     | 76   | 92   | 119  | 163  | 63   | 75   | 86   | 115  | 141  | 78                     | 84   | 97   | 133  |      | 81                     | 102  | 123  | 162  |      |                        |  |  |  |  |
| 6,00                 | 58                     | 73   | 86   | 105  | 150  | 60   | 66   | 75   | 101  | 124  | 73                     | 79   | 91   | 124  |      | 77                     | 97   | 116  | 149  |      |                        |  |  |  |  |
| 6,25                 | 56                     | 69   | 79   | 93   | 137  | 53   | 58   | 67   | 90   | 110  | 69                     | 74   | 85   | 115  |      | 74                     | 93   | 109  | 138  |      |                        |  |  |  |  |
| 6,50                 | 54                     | 64   | 72   | 82   | 122  | 47   | 52   | 59   | 80   | 97   | 65                     | 69   | 79   | 108  | 175  | 71                     | 88   | 102  | 127  | 161  |                        |  |  |  |  |
| 6,75                 | 51                     | 59   | 65   | 74   | 109  | 42   | 46   | 53   | 71   | 87   | 60                     | 64   | 74   | 101  | 165  | 69                     | 82   | 95   | 118  | 149  |                        |  |  |  |  |
| 7,00                 | 47                     | 55   | 60   | 66   | 97   | 38   | 42   | 48   | 64   | 78   | 55                     | 59   | 69   | 95   | 155  | 66                     | 77   | 89   | 110  | 139  |                        |  |  |  |  |
| 7,25                 |                        | 51   | 54   | 59   | 88   | 34   | 37   | 43   | 58   | 70   | 51                     | 55   | 65   | 89   | 146  | 64                     | 73   | 83   | 103  | 129  |                        |  |  |  |  |
| 7,50                 |                        | 48   | 50   | 54   | 79   |      | 34   | 39   | 52   | 63   | 48                     | 52   | 61   | 84   | 138  | 62                     | 68   | 78   | 96   | 121  |                        |  |  |  |  |
| 7,75                 |                        |      |      | 49   | 72   |      |      |      | 47   | 57   |                        | 48   | 57   | 79   | 130  |                        | 64   | 73   | 90   | 113  |                        |  |  |  |  |
| 8,00                 |                        |      |      |      | 65   |      |      |      |      | 52   |                        |      |      | 75   | 124  |                        |      |      | 85   | 107  |                        |  |  |  |  |

### Aplicaciones Scope

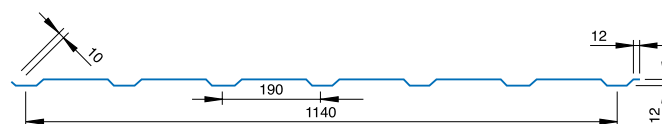
Chapa metálica de acero autoportante destinada como cerramiento interior de fachada sandwich (horizontal y/o vertical) en el interior.  
Self-supporting cassette (tray) for wall cladding as an inner surface (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



**EUROLINE 12 FA**  
Perfil / Profile 6.190.12

Espesor Thickness (mm)

|                                      | 0,60  | 0,70  | 0,75  | 0,80  | 1,00  | 1,20  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|
| Peso Weight (kg/m <sup>2</sup> )     | 5,16  | 6,03  | 6,46  | 6,85  | 8,61  | 10,33 |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 1,549 | 1,733 | 1,864 | 1,996 | 2,521 | 3,046 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 1,730 | 1,928 | 2,068 | 2,207 | 2,758 | 3,296 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 4,216 | 4,672 | 4,992 | 5,309 | 6,532 | 7,693 |

CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |
|----------------------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
|                      | Espesor Thickness (mm) |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      |      |      |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 1,00                 | 125                    | 140  | 150  | 161  |      |      | 125                    | 140  | 150  | 161  |      |      | 154                    | 172  | 185  | 198  |      |      | 154                    | 172  | 185  | 198  |      |      |
| 1,25                 | 64                     | 72   | 77   | 82   | 104  | 126  | 64                     | 72   | 77   | 82   | 104  | 126  |                        |      |      |      |      |      | 89                     | 99   | 107  | 115  | 127  | 145  |
| 1,50                 |                        |      |      | 60   | 73   |      |                        |      |      |      | 60   | 73   | 89                     | 99   | 107  | 115  | 145  | 175  | 89                     | 99   | 107  | 115  | 127  | 145  |
| 1,75                 |                        |      |      |      |      |      |                        |      |      |      |      |      | 56                     | 63   | 67   | 72   | 91   | 110  | 56                     | 63   | 67   | 72   | 80   | 91   |
| 2,00                 |                        |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      | 61   | 74   |                        |      |      |      | 53   | 61   |
| 2,25                 |                        |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      |      | 52   |                        |      |      |      |      |      |

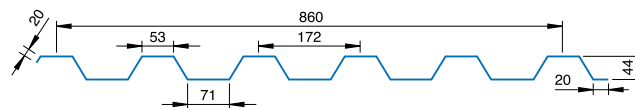
**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

**EUROMODUL 44 FA**  
Perfil / Profile 5.172.44

Espesor Thickness (mm)

|                                      | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 7,19   | 7,99   | 8,56   | 9,13   | 11,41  | 13,69  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 25,894 | 28,967 | 31,161 | 33,355 | 42,133 | 50,911 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 12,601 | 14,072 | 15,120 | 16,165 | 20,321 | 24,436 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 10,753 | 12,011 | 12,908 | 13,803 | 17,363 | 20,894 |

CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) |  |      |      |      |      |      |                        |      |      |      |      |      |  |      |      |      |      |      |                        |      |      |      |      |      |     |
|----------------------|-----------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-----|
|                      | PRESIÓN POSITIVE LOADS                                                            |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS                                                              |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |     |
|                      | Espesor Thickness (mm)                                                            |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |     |
|                      | 0,60                                                                              | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                                                                                | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |     |
| 2,50                 | 134                                                                               | 149  | 161  | 172  |      |      | 134                    | 149  | 161  | 172  |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |     |
| 2,75                 | 100                                                                               | 112  | 121  | 129  | 163  | 197  | 100                    | 112  | 121  | 129  | 163  | 197  |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |     |
| 3,00                 | 77                                                                                | 87   | 93   | 100  | 126  | 152  | 77                     | 87   | 93   | 100  | 126  | 152  |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |     |
| 3,25                 | 61                                                                                | 68   | 73   | 78   | 99   | 120  | 61                     | 68   | 73   | 78   | 99   | 120  | 146                                                                                 | 163  | 176  | 188  |      |      | 146                    | 163  | 176  | 188  |      |      |     |
| 3,50                 |                                                                                   | 54   | 59   | 63   | 79   | 96   |                        | 54   | 59   | 63   | 79   | 96   | 117                                                                                 | 131  | 141  | 151  | 190  |      | 117                    | 131  | 141  | 151  | 190  |      |     |
| 3,75                 |                                                                                   |      |      | 51   | 64   | 78   |                        |      |      |      | 51   | 64   | 78                                                                                  | 95   | 106  | 114  | 123  | 155  | 187                    | 95   | 106  | 114  | 123  | 155  | 187 |
| 4,00                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 78                                                                                  | 88   | 94   | 101  | 128  | 154  | 78                     | 88   | 94   | 101  | 128  | 154  |     |
| 4,25                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 65                                                                                  | 73   | 79   | 84   | 106  | 128  | 65                     | 73   | 79   | 84   | 106  | 128  |     |
| 4,50                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 55                                                                                  | 62   | 66   | 71   | 90   | 108  | 55                     | 62   | 66   | 71   | 90   | 108  |     |
| 4,75                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     | 52   | 56   | 60   | 76   | 92   |                        | 52   | 56   | 60   | 76   | 92   |     |
| 5,00                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     |      | 52   | 65   | 79   |      |                        |      |      | 52   | 65   | 79   |     |

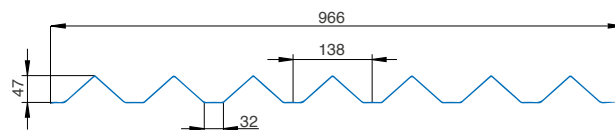
**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada como revestimiento interior o exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

**KEOPS FA**  
Perfil / Profile 7.138.47

Espesor Thickness (mm)

|                                      | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )     | 6,09   | 7,11   | 7,62   | 8,13   | 10,16  | 12,19  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 27,901 | 32,883 | 35,374 | 37,865 | 47,830 | 57,794 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 25,405 | 29,806 | 31,992 | 34,168 | 42,773 | 51,226 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 7,619  | 8,968  | 9,641  | 10,313 | 12,991 | 15,665 |

CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |
|----------------------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
|                      | Espesor Thickness (mm) |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      |      |      |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,50                 | 144                    | 170  | 183  | 195  |      |      | 144                    | 170  | 183  | 195  |      |      |                        |      |      |      |      |      |                        |      |      |      |      |      |
| 2,75                 | 108                    | 128  | 137  | 147  | 185  |      | 108                    | 128  | 137  | 147  | 185  |      |                        |      |      |      |      |      |                        |      |      |      |      |      |
| 3,00                 | 83                     | 98   | 106  | 113  | 143  | 173  | 83                     | 98   | 106  | 113  | 143  | 173  |                        |      |      |      |      |      |                        |      |      |      |      |      |
| 3,25                 | 66                     | 77   | 83   | 89   | 112  | 136  | 66                     | 77   | 83   | 89   | 112  | 136  | 112                    | 132  | 142  | 151  | 191  |      | 157                    | 186  | 200  |      |      |      |
| 3,50                 | 52                     | 62   | 67   | 71   | 90   | 109  | 52                     | 62   | 67   | 71   | 90   | 109  | 97                     | 114  | 122  | 131  | 165  | 198  | 126                    | 149  | 160  | 171  |      |      |
| 3,75                 |                        |      |      |      |      |      |                        |      |      |      |      |      | 84                     | 99   | 106  | 114  | 143  | 173  | 102                    | 121  | 130  | 139  | 176  |      |
| 4,00                 |                        |      |      |      |      |      |                        |      |      |      |      |      | 74                     | 87   | 93   | 100  | 126  | 152  | 84                     | 100  | 107  | 115  | 145  | 175  |
| 4,25                 |                        |      |      |      |      |      |                        |      |      |      |      |      | 65                     | 77   | 83   | 89   | 112  | 134  | 70                     | 83   | 89   | 96   | 121  | 146  |
| 4,50                 |                        |      |      |      |      |      |                        |      |      |      |      |      | 58                     | 69   | 74   | 79   | 100  | 120  | 59                     | 70   | 75   | 80   | 102  | 123  |
| 4,75                 |                        |      |      |      |      |      |                        |      |      |      |      |      |                        | 50   | 59   | 64   | 68   | 86   | 104                    |      |      |      |      |      |
| 5,00                 |                        |      |      |      |      |      |                        |      |      |      |      |      |                        |      |      |      | 51   | 55   | 59                     | 74   | 90   |      |      |      |

**Aplicaciones Scope**

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).

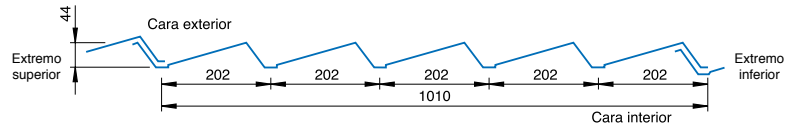


## ATENEA FA

Perfil / Profile 5.202.44



| Espesor Thickness (mm)  |        |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|--------|
|                         | 0,60   | 0,70   | 0,75   | 0,80   | 1,00   | 1,20   |
| Peso Weight (kg/m²)     | 6,12   | 6,80   | 7,28   | 7,92   | 9,71   | 11,65  |
| I <sub>y</sub> (cm⁴/ml) | 12,656 | 14,157 | 15,230 | 16,302 | 20,593 | 24,883 |
| W <sub>1</sub> (cm³/ml) | 6,349  | 7,101  | 7,638  | 8,175  | 10,322 | 12,466 |
| W <sub>2</sub> (cm³/ml) | 5,259  | 5,883  | 6,330  | 6,776  | 8,563  | 10,351 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) |  |      |      |      |      |      |                        |      |      |      |      |      |  |      |      |      |      |      |                        |      |      |      |      |      |
|----------------------|-----------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------------------------|------|------|------|------|------|
|                      | PRESIÓN POSITIVE LOADS                                                            |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      | PRESIÓN POSITIVE LOADS                                                              |      |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      |      |
|                      | Espesor Thickness (mm)                                                            |      |      |      |      |      |                        |      |      |      |      |      |                                                                                     |      |      |      |      |      |                        |      |      |      |      |      |
|                      | 0,60                                                                              | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                                                                                | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,25                 | 87                                                                                | 94   | 101  | 108  | 137  | 164  | 86                     | 93   | 100  | 107  | 136  | 163  | 187                                                                                 | 202  | 216  | 231  | 290  | 348  | 217                    | 235  | 252  | 270  | 343  | 412  |
| 2,50                 | 61                                                                                | 66   | 71   | 76   | 97   | 116  | 61                     | 66   | 71   | 76   | 96   | 115  | 150                                                                                 | 162  | 174  | 186  | 234  | 281  | 156                    | 169  | 182  | 195  | 247  | 296  |
| 2,75                 | 44                                                                                | 48   | 52   | 55   | 70   | 84   | 44                     | 48   | 51   | 55   | 70   | 84   | 116                                                                                 | 126  | 135  | 145  | 184  | 221  | 116                    | 125  | 135  | 144  | 183  | 220  |
| 3,00                 | 32                                                                                | 35   | 38   | 41   | 52   | 62   | 32                     | 35   | 38   | 40   | 51   | 61   | 88                                                                                  | 95   | 102  | 110  | 139  | 167  | 87                     | 95   | 102  | 109  | 138  | 166  |
| 3,25                 |                                                                                   |      |      | 30   | 38   | 46   |                        |      |      | 30   | 38   | 46   | 68                                                                                  | 73   | 79   | 84   | 107  | 128  | 67                     | 73   | 78   | 84   | 107  | 128  |
| 3,50                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 53                                                                                  | 57   | 62   | 66   | 84   | 101  | 53                     | 57   | 61   | 66   | 83   | 100  |
| 3,75                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 42                                                                                  | 45   | 49   | 52   | 66   | 79   | 41                     | 45   | 48   | 52   | 66   | 79   |
| 4,00                 |                                                                                   |      |      |      |      |      |                        |      |      |      |      |      | 33                                                                                  | 36   | 39   | 41   | 53   | 64   | 33                     | 36   | 38   | 41   | 52   | 62   |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento interior o exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

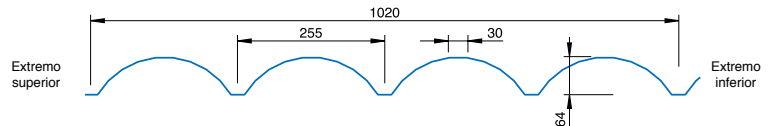


## EGEO FA

Perfil / Profile 4.255.64



| Espesor Thickness (mm)  |        |        |        |        |
|-------------------------|--------|--------|--------|--------|
|                         | 0,70   | 0,75   | 0,80   | 1,00   |
| Peso Weight (kg/m²)     | 6,73   | 7,21   | 7,70   | 9,62   |
| I <sub>y</sub> (cm⁴/ml) | 37,646 | 40,498 | 43,350 | 54,758 |
| W <sub>1</sub> (cm³/ml) | 9,139  | 9,826  | 10,511 | 13,245 |
| W <sub>2</sub> (cm³/ml) | 15,858 | 17,042 | 18,223 | 22,922 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) |  |      |      |      |                        |      |      |      |  |      |      |      |                        |      |      |      |
|----------------------|-------------------------------------------------------------------------------------|------|------|------|------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|------------------------|------|------|------|
|                      | PRESIÓN POSITIVE LOADS                                                              |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      | PRESIÓN POSITIVE LOADS                                                                |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |
|                      | Espesor Thickness (mm)                                                              |      |      |      |                        |      |      |      |                                                                                       |      |      |      |                        |      |      |      |
|                      | 0,70                                                                                | 0,75 | 0,80 | 1,00 | 0,70                   | 0,75 | 0,80 | 1,00 | 0,70                                                                                  | 0,75 | 0,80 | 1,00 | 0,70                   | 0,75 | 0,80 | 1,00 |
| 2,75                 | 146                                                                                 | 157  | 168  |      | 146                    | 157  | 168  |      |                                                                                       |      |      |      |                        |      |      |      |
| 3,00                 | 112                                                                                 | 121  | 129  | 163  | 112                    | 121  | 129  | 163  |                                                                                       |      |      |      |                        |      |      |      |
| 3,25                 | 88                                                                                  | 95   | 102  | 129  | 88                     | 95   | 102  | 129  |                                                                                       |      |      |      |                        |      |      |      |
| 3,50                 | 71                                                                                  | 76   | 81   | 103  | 71                     | 76   | 81   | 103  |                                                                                       |      |      |      |                        |      |      |      |
| 3,75                 | 57                                                                                  | 62   | 66   | 84   | 57                     | 62   | 66   | 84   |                                                                                       |      |      |      |                        |      |      |      |
| 4,00                 |                                                                                     |      |      |      |                        |      |      |      | 170                                                                                   | 183  | 196  |      |                        |      |      |      |
| 4,25                 |                                                                                     |      |      |      |                        |      |      |      | 138                                                                                   | 148  | 159  |      | 122                    | 131  | 140  | 176  |
| 4,50                 |                                                                                     |      |      |      |                        |      |      |      | 114                                                                                   | 122  | 131  | 166  | 93                     | 100  | 107  | 135  |
| 4,75                 |                                                                                     |      |      |      |                        |      |      |      | 95                                                                                    | 102  | 109  | 138  | 82                     | 89   | 95   | 120  |
| 5,00                 |                                                                                     |      |      |      |                        |      |      |      | 80                                                                                    | 86   | 92   | 116  | 74                     | 79   | 85   | 107  |
| 5,25                 |                                                                                     |      |      |      |                        |      |      |      | 68                                                                                    | 73   | 78   | 99   | 66                     | 71   | 76   | 96   |
|                      |                                                                                     |      |      |      |                        |      |      |      | 58                                                                                    | 63   | 67   | 85   | 58                     | 63   | 67   | 85   |
|                      |                                                                                     |      |      |      |                        |      |      |      | 50                                                                                    | 54   | 58   | 73   | 50                     | 54   | 58   | 73   |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento interior o exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

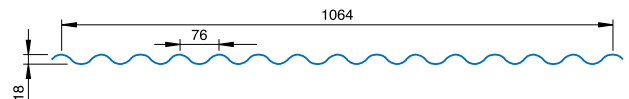


## MINIONDA FA

Perfil / Profile 14.76.18



|                            | Espesor <i>Thickness</i> (mm) |       |       |       |       |
|----------------------------|-------------------------------|-------|-------|-------|-------|
|                            | 0,60                          | 0,70  | 0,75  | 0,80  | 1,00  |
| Peso <i>Weight</i> (kg/m²) | 5,81                          | 6,46  | 6,92  | 7,38  | 9,22  |
| I <sub>y</sub> (cm³/ml)    | 2,435                         | 2,723 | 2,930 | 3,136 | 3,961 |
| W <sub>1</sub> (cm³/ml)    | 2,705                         | 3,026 | 3,255 | 3,485 | 4,402 |
| W <sub>2</sub> (cm³/ml)    | 2,705                         | 3,026 | 3,255 | 3,485 | 4,402 |



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |       |
|----------------------|------------------------|------|------|------|------|------------------------|------|------|------|------|------------------------|------|------|------|------|------------------------|------|------|------|-------|
|                      | Espesor Thickness (mm) |      |      |      |      |                        |      |      |      |      | Espesor Thickness (mm) |      |      |      |      |                        |      |      |      |       |
|                      | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00 | 0,60                   | 0,70 | 0,75 | 0,80 | 1,00  |
| 1,00                 | 196                    |      |      |      |      | 196                    |      |      |      |      |                        |      |      |      |      |                        |      |      |      |       |
| 1,25                 | 101                    | 112  | 121  | 129  | 164  | 101                    | 112  | 121  | 129  | 164  |                        |      |      |      |      | 140                    | 156  | 168  | 180  |       |
| 1,50                 | 58                     | 65   | 70   | 75   | 95   | 58                     | 65   | 70   | 75   | 95   | 140                    | 156  | 168  | 180  |      | 88                     | 98   | 106  | 113  | 143   |
| 1,75                 |                        |      |      | 60   |      |                        |      |      |      | 60   | 88                     | 98   | 106  | 113  | 143  | 59                     | 66   | 71   | 76   | 96    |
| 2,00                 |                        |      |      |      |      |                        |      |      |      |      | 59                     | 66   | 71   | 76   | 96   | 59                     | 66   | 71   | 76   | 96    |
| 2,25                 |                        |      |      |      |      |                        |      |      |      |      |                        |      |      | 53   | 67   |                        |      |      |      | 53 67 |

### Aplicaciones Scope

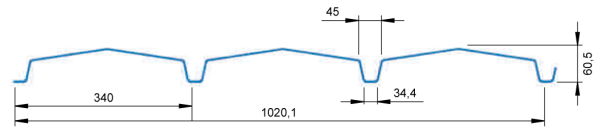
Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



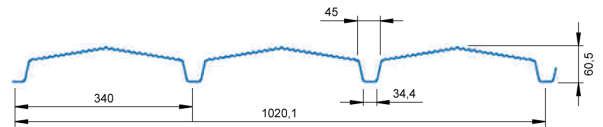
## CRETA FA

Perfil / Profile 3.340.60

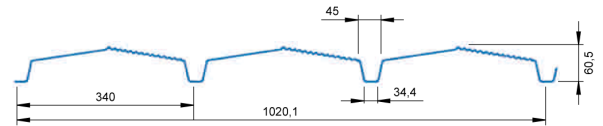
Liso  
Smooth



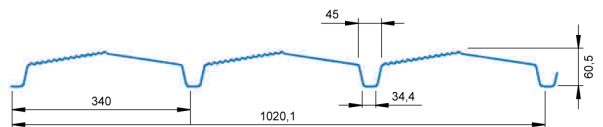
Microvenado  
Micro-ribbed



Microvenado A  
Micro-ribbed A



Microvenado B  
Micro-ribbed B



Espesor Thickness (mm)

|                         | 0,70   | 0,75   | 1,00   | 1,20   |
|-------------------------|--------|--------|--------|--------|
| Peso Weight (kg/m²)     | 6,74   | 7,22   | 9,62   | 11,54  |
| I <sub>y</sub> (cm⁴/ml) | 24,451 | 26,304 | 35,566 | 42,975 |
| W <sub>x</sub> (cm³/ml) | 5,893  | 6,336  | 8,541  | 10,296 |
| W <sub>z</sub> (cm³/ml) | 12,406 | 13,329 | 17,909 | 21,532 |

CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²)

| Luz VANO<br>SPAN (m) | PRESIÓN<br>POSITIVE LOADS |      |      |      | SUCCIÓN<br>NEGATIVE LOADS |      |      |      | PRESIÓN<br>POSITIVE LOADS |      |      |      | SUCCIÓN<br>NEGATIVE LOADS |      |      |      |
|----------------------|---------------------------|------|------|------|---------------------------|------|------|------|---------------------------|------|------|------|---------------------------|------|------|------|
|                      | Espesor Thickness (mm)    |      |      |      | Espesor Thickness (mm)    |      |      |      | Espesor Thickness (mm)    |      |      |      | Espesor Thickness (mm)    |      |      |      |
|                      | 0,70                      | 0,75 | 1,00 | 1,20 | 0,70                      | 0,75 | 1,00 | 1,20 | 0,70                      | 0,75 | 1,00 | 1,20 | 0,70                      | 0,75 | 1,00 | 1,20 |
| 2,25                 | 173                       | 186  |      |      | 173                       | 186  |      |      |                           |      |      |      |                           |      |      |      |
| 2,50                 | 126                       | 136  | 184  |      | 126                       | 136  | 184  |      | 146                       | 157  |      |      |                           |      | 183  | 197  |
| 2,75                 | 95                        | 102  | 138  | 167  | 95                        | 102  | 138  | 167  | 121                       | 130  | 175  |      | 179                       | 192  | 151  | 162  |
| 3,00                 | 73                        | 79   | 106  | 128  | 73                        | 79   | 106  | 128  | 102                       | 109  | 147  |      | 138                       | 148  | 127  | 137  |
| 3,25                 | 57                        | 62   | 84   | 101  | 57                        | 62   | 84   | 101  | 87                        | 93   | 125  |      | 108                       | 117  | 158  | 191  |
| 3,50                 |                           | 67   | 81   |      |                           | 67   | 81   |      | 75                        | 80   | 108  | 194  | 87                        | 93   | 126  | 153  |
| 3,75                 |                           |      | 54   | 66   |                           |      | 54   | 66   | 90                        | 97   | 131  | 158  | 71                        | 76   | 103  | 124  |
| 4,00                 |                           |      |      |      |                           |      |      |      | 74                        | 80   | 108  | 130  | 58                        | 63   | 85   | 102  |
| 4,25                 |                           |      |      |      |                           |      |      |      | 62                        | 66   | 90   | 108  | 51                        | 54   | 71   | 85   |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



Nota: 1 daN = 0,98 Kg. I<sub>y</sub>: momento de inercia W<sub>x</sub>, W<sub>z</sub>: módulo resistente  
Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europerfil en chapa de acero, otros materiales consultar.  
Note: 1 daN = 0,98 Kg. I<sub>y</sub>: moment of inertia W<sub>x</sub>, W<sub>z</sub>: resistant module  
The overload tables are calculations and testing made on steel sheet Europrofil profiles. For other materials, please ask us.



## AXIOS

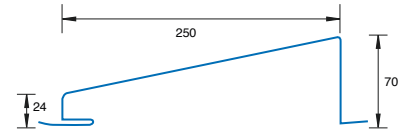
Perfil / Profile 1.250.70

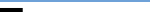
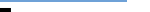


Espesor Thickness (mm)

|                         | 0,70   | 0,75   |
|-------------------------|--------|--------|
| Peso Weight (kg/m²)     | 9,14   | 9,80   |
| I <sub>y</sub> (cm⁴/ml) | 55,878 | 60,111 |
| W <sub>y</sub> (cm³/ml) | 15,701 | 16,878 |
| W <sub>z</sub> (cm³/ml) | 15,474 | 16,635 |

Fijación oculta Hidden fixing



| CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²) |                                                                                                          |      |                                                                                                           |      |                                                                                                            |      |                                                                                                            |      |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------|------|
| Luz VANO<br>SPAN (m)                                                                                 |  PRESIÓN POSITIVE LOADS |      |  SUCCIÓN NEGATIVE LOADS |      |  PRESIÓN POSITIVE LOADS |      |  SUCCIÓN NEGATIVE LOADS |      |
|                                                                                                      | Espesor Thickness (mm)                                                                                   |      |                                                                                                           |      |                                                                                                            |      |                                                                                                            |      |
|                                                                                                      | 0,70                                                                                                     | 0,75 | 0,70                                                                                                      | 0,75 | 0,70                                                                                                       | 0,75 | 0,70                                                                                                       | 0,75 |
| 2,00                                                                                                 | 161                                                                                                      | 173  | 161                                                                                                       | 173  |                                                                                                            |      |                                                                                                            |      |
| 2,25                                                                                                 | 113                                                                                                      | 122  | 113                                                                                                       | 122  |                                                                                                            |      |                                                                                                            |      |
| 2,50                                                                                                 | 82                                                                                                       | 89   | 82                                                                                                        | 89   | 198                                                                                                        | 213  | 198                                                                                                        | 213  |
| 2,75                                                                                                 | 62                                                                                                       | 67   | 62                                                                                                        | 67   | 149                                                                                                        | 160  | 149                                                                                                        | 160  |
| 3,00                                                                                                 |                                                                                                          | 51   |                                                                                                           | 51   | 115                                                                                                        | 123  | 115                                                                                                        | 123  |

Espesor no homologado Thickness not approved

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).

Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



## KEFREN 3.1 FA

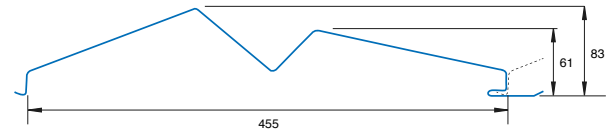
Perfil / Profile 1.455.83



Espesor Thickness (mm)

|                         | 0,70   | 0,75   | 1,00   | 1,20   |
|-------------------------|--------|--------|--------|--------|
| Peso Weight (kg/m²)     | 7,55   | 8,09   | 10,78  | 12,94  |
| I <sub>y</sub> (cm⁴/ml) | 45,440 | 48,892 | 66,167 | 80,009 |
| W <sub>y</sub> (cm³/ml) | 11,563 | 12,434 | 16,776 | 20,237 |
| W <sub>z</sub> (cm³/ml) | 10,304 | 11,080 | 14,950 | 18,035 |

Fijación oculta Hidden fixing



| CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m <sup>2</sup> ) |                        |      |      |      |                        |      |      |      |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
|-------------------------------------------------------------------------------------------------------------------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|-----|-----|------|------|--|--|
| Luz VANO<br>SPAN (m)                                                                                              | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |     |     |      |      |  |  |
|                                                                                                                   | Espesor Thickness (mm) |      |      |      |                        |      |      |      |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
|                                                                                                                   | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 |     |     |      |      |  |  |
| 2,50                                                                                                              |                        |      |      |      |                        |      |      |      | >250                   | >250 |      |      |                        |      | >250 |      |     |     |      |      |  |  |
| 2,75                                                                                                              | 176                    | 190  |      |      | 176                    | 190  |      |      | 211                    | 227  |      |      |                        |      | 237  | >250 |     |     |      |      |  |  |
| 3,00                                                                                                              | 136                    | 146  | 198  |      | 136                    | 146  | 198  |      | 178                    | 191  | >250 | >250 |                        |      |      |      | 199 | 214 | >250 | >250 |  |  |
| 3,25                                                                                                              | 107                    | 115  | 155  | 188  | 107                    | 115  | 155  | 188  |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 3,50                                                                                                              | 85                     | 92   | 124  | 150  | 85                     | 92   | 124  | 150  |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 3,75                                                                                                              | 69                     | 75   | 101  | 122  | 69                     | 75   | 101  | 122  |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 4,00                                                                                                              | 62                     |      | 83   | 101  | 62                     |      | 83   | 101  |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 4,25                                                                                                              | 70                     |      |      | 84   | 70                     |      |      | 84   |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 4,50                                                                                                              | 71                     |      |      |      | 71                     |      |      |      |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |
| 4,75                                                                                                              | 60                     |      |      |      | 60                     |      |      |      |                        |      |      |      |                        |      |      |      |     |     |      |      |  |  |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).

Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



## KEFREN 3.2 FA

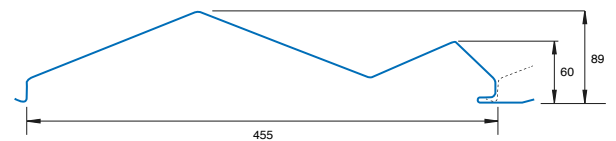
Perfil / Profile 1.455.89



Espesor Thickness (mm)

|                         | 0,70   | 0,75   | 1,00   | 1,20    |
|-------------------------|--------|--------|--------|---------|
| Peso Weight (kg/m²)     | 7,55   | 8,09   | 10,78  | 12,94   |
| I <sub>y</sub> (cm⁴/ml) | 58,818 | 63,283 | 85,634 | 103,539 |
| W <sub>y</sub> (cm³/ml) | 13,692 | 14,723 | 19,868 | 23,969  |
| W <sub>z</sub> (cm³/ml) | 12,424 | 13,360 | 18,029 | 21,750  |

Fijación oculta Hidden fixing



| CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m²) |                        |      |      |      |                        |      |      |      |                        |      |      |      |                        |      |      |      |  |  |
|------------------------------------------------------------------------------------------------------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|--|--|
| Luz VANO<br>SPAN (m)                                                                                 | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |  |  |
|                                                                                                      | Espesor Thickness (mm) |      |      |      |                        |      |      |      |                        |      |      |      |                        |      |      |      |  |  |
|                                                                                                      | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 |  |  |
| 2,75                                                                                                 |                        |      |      |      |                        |      |      |      | >250                   | >250 |      |      |                        |      | >250 |      |  |  |
| 3,00                                                                                                 | 176                    | 189  |      |      | 176                    | 189  |      |      | 214                    | 230  | >250 | >250 | 236                    | >250 | >250 | >250 |  |  |
| 3,25                                                                                                 | 138                    | 149  |      |      | 138                    | 149  |      |      |                        |      |      |      |                        |      |      |      |  |  |
| 3,50                                                                                                 | 111                    | 119  | 161  | 195  | 111                    | 119  | 161  | 195  |                        |      |      |      |                        |      |      |      |  |  |
| 3,75                                                                                                 | 90                     | 97   | 131  | 158  | 90                     | 97   | 131  | 158  |                        |      |      |      |                        |      |      |      |  |  |
| 4,00                                                                                                 | 74                     | 80   | 108  | 130  | 74                     | 80   | 108  | 130  |                        |      |      |      |                        |      |      |      |  |  |
| 4,25                                                                                                 | 62                     | 66   | 90   | 109  | 62                     | 66   | 90   | 109  |                        |      |      |      |                        |      |      |      |  |  |
| 4,50                                                                                                 |                        |      | 76   | 92   |                        |      | 76   | 92   |                        |      |      |      |                        |      |      |      |  |  |
| 4,75                                                                                                 |                        |      | 64   | 78   |                        |      | 64   | 78   |                        |      |      |      |                        |      |      |      |  |  |
|                                                                                                      |                        |      |      | 67   |                        |      |      | 67   |                        |      |      |      |                        |      |      |      |  |  |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).

Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



## MEDEA FA

Perfil / Profile 1.375.74



|                                      | Espesor Thickness (mm) |        |        |        |
|--------------------------------------|------------------------|--------|--------|--------|
|                                      | 0,70                   | 0,75   | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 9,16                   | 9,81   | 13,08  | 15,70  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 32,294                 | 34,741 | 46,974 | 56,760 |
| W <sub>x</sub> (cm <sup>3</sup> /ml) | 18,635                 | 20,018 | 26,873 | 32,287 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 5,629                  | 6,053  | 8,167  | 9,851  |

Fijación oculta Hidden fixing



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) |  |      |      |      |                        |      |      |      |  |      |      |      |                        |      |      |      |
|----------------------|-----------------------------------------------------------------------------------|------|------|------|------------------------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------------------------|------|------|------|
|                      | PRESIÓN POSITIVE LOADS                                                            |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      | PRESIÓN POSITIVE LOADS                                                              |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |
|                      | Espesor Thickness (mm)                                                            |      |      |      |                        |      |      |      |                                                                                     |      |      |      |                        |      |      |      |
|                      | 0,70                                                                              | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                                                                                | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 |
| 2,25                 |                                                                                   |      |      |      | 173                    | 186  |      |      |                                                                                     |      |      |      |                        |      |      |      |
| 2,50                 | 167                                                                               | 179  |      |      | 140                    | 150  |      |      |                                                                                     |      |      |      |                        |      |      |      |
| 2,75                 | 125                                                                               | 135  | 182  |      | 115                    | 124  | 168  |      | 115                                                                                 | 124  | 168  |      |                        |      |      |      |
| 3,00                 | 96                                                                                | 104  | 140  | 170  | 96                     | 104  | 140  | 170  | 97                                                                                  | 104  | 141  | 170  | 173                    | 186  |      |      |
| 3,25                 |                                                                                   |      |      |      |                        |      |      |      | 83                                                                                  | 89   | 120  | 145  | 147                    | 158  |      |      |
| 3,50                 |                                                                                   |      |      |      |                        |      |      |      | 71                                                                                  | 77   | 103  | 125  | 127                    | 136  | 184  |      |

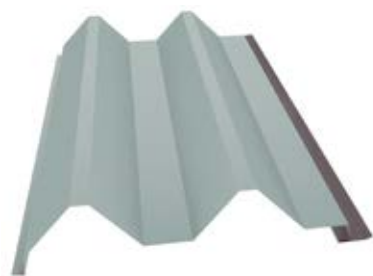
Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal).  
Self-supporting metal sheet for external walls (horizontally laid) made from metallic coated steel sheet with or without additional organic coatings.

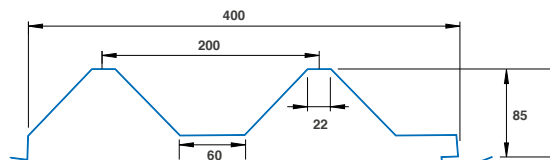


## GIZA 400 FA

Perfil / Profile 1.400.85



|                                      | Espesor Thickness (mm) |        |         |         |
|--------------------------------------|------------------------|--------|---------|---------|
|                                      | 0,70                   | 0,75   | 1,00    | 1,20    |
| Peso Weight (kg/m <sup>2</sup> )     | 8,59                   | 9,20   | 12,27   | 14,72   |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 73,827                 | 79,405 | 107,264 | 129,513 |
| W <sub>x</sub> (cm <sup>3</sup> /ml) | 17,818                 | 19,156 | 25,822  | 31,126  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 16,678                 | 17,925 | 24,126  | 29,045  |



Fijación oculta Hidden fixing

CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      | PRESIÓN POSITIVE LOADS |      |      |      | SUCCIÓN NEGATIVE LOADS |      |      |      |
|----------------------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|------------------------|------|------|------|
|                      | Espesor Thickness (mm) |      |      |      |                        |      |      |      |                        |      |      |      |                        |      |      |      |
|                      | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 | 0,70                   | 0,75 | 1,00 | 1,20 |
| 2,25                 |                        |      |      |      |                        |      |      |      | >300                   | >300 | >300 | >300 | >300                   | >300 | >300 | >300 |
| 3,25                 | 173                    | 187  |      |      | 173                    | 187  |      |      |                        |      |      |      |                        |      |      |      |
| 3,50                 | 139                    | 149  |      |      | 139                    | 149  |      |      |                        |      |      |      |                        |      |      |      |
| 3,75                 | 113                    | 121  | 164  | 198  | 113                    | 121  | 164  | 198  |                        |      |      |      |                        |      |      |      |
| 4,00                 | 93                     | 100  | 135  | 163  | 93                     | 100  | 135  | 163  |                        |      |      |      |                        |      |      |      |
| 4,25                 | 78                     | 83   | 113  | 136  | 78                     | 83   | 113  | 136  |                        |      |      |      |                        |      |      |      |
| 4,50                 | 65                     | 70   | 95   | 115  | 65                     | 70   | 95   | 115  |                        |      |      |      |                        |      |      |      |

Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento interior o exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



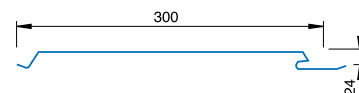
## EUROLINE 300 FA

Perfil / Profile 1.300.24



|                                      | Espesor Thickness (mm) |        |
|--------------------------------------|------------------------|--------|
|                                      | 1,00                   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 10,89                  | 13,06  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 10,218                 | 12,346 |
| W <sub>x</sub> (cm <sup>3</sup> /ml) | 5,264                  | 6,328  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 18,550                 | 22,015 |

Fijación oculta Hidden fixing



CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m<sup>2</sup>)

| Luz VANO<br>SPAN (m) |  |      |                        |      |  |      |                        |      |
|----------------------|-------------------------------------------------------------------------------------|------|------------------------|------|---------------------------------------------------------------------------------------|------|------------------------|------|
|                      | PRESIÓN POSITIVE LOADS                                                              |      | SUCCIÓN NEGATIVE LOADS |      | PRESIÓN POSITIVE LOADS                                                                |      | SUCCIÓN NEGATIVE LOADS |      |
|                      | Espesor Thickness (mm)                                                              |      |                        |      |                                                                                       |      |                        |      |
|                      | 1,00                                                                                | 1,20 | 1,00                   | 1,20 | 1,00                                                                                  | 1,20 | 1,00                   | 1,20 |
| 1,00                 |                                                                                     |      |                        |      |                                                                                       |      |                        |      |
| 1,25                 | 121                                                                                 | 146  | 121                    | 146  |                                                                                       |      | 168                    |      |
| 1,50                 | 70                                                                                  | 84   | 70                     | 84   | 168                                                                                   |      | 168                    |      |
| 1,75                 |                                                                                     | 53   |                        | 53   | 106                                                                                   | 128  | 106                    | 128  |
| 2,00                 |                                                                                     |      |                        |      | 71                                                                                    | 85   | 71                     | 85   |
| 2,25                 |                                                                                     |      |                        |      |                                                                                       | 60   |                        | 60   |

Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento interior o exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

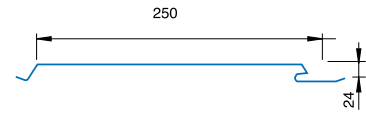


## EUROLINE ANCHO VARIABLE FA

Perfil / Profile 1.AV.24



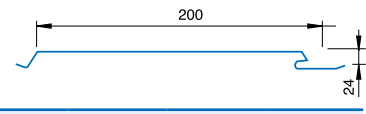
Fijación oculta Hidden fixing



| Ancho Width 250 (mm)                 |        |        |
|--------------------------------------|--------|--------|
| Espesor Thickness (mm)               |        |        |
|                                      | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 11,49  | 13,79  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 11,713 | 14,153 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 6,259  | 7,522  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 18,874 | 22,444 |

| CUADRO DE CARGAS DE USO Flecha admisible: L/200 LOAD TABLES Limitation of deflection: L/200 (daN/m <sup>2</sup> ) |                                                                                   |      |                                                                                     |      |                        |      |                        |      |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|------------------------|------|------------------------|------|
| Ancho Width 250 (mm)                                                                                              |                                                                                   |      |                                                                                     |      |                        |      |                        |      |
| Luz VANO<br>SPAN (m)                                                                                              |  |      |  |      |                        |      |                        |      |
|                                                                                                                   | PRESIÓN POSITIVE LOADS                                                            |      | SUCCIÓN NEGATIVE LOADS                                                              |      | PRESIÓN POSITIVE LOADS |      | SUCCIÓN NEGATIVE LOADS |      |
|                                                                                                                   | Espesor Thickness (mm)                                                            |      |                                                                                     |      |                        |      |                        |      |
|                                                                                                                   | 1,00                                                                              | 1,20 | 1,00                                                                                | 1,20 | 1,00                   | 1,20 | 1,00                   | 1,20 |
| 1,00                                                                                                              |                                                                                   |      |                                                                                     |      |                        |      |                        |      |
| 1,25                                                                                                              | 138                                                                               | 167  | 138                                                                                 | 167  |                        |      |                        |      |
| 1,50                                                                                                              | 80                                                                                | 97   | 80                                                                                  | 97   | 192                    | 192  |                        |      |
| 1,75                                                                                                              | 50                                                                                | 61   | 50                                                                                  | 61   | 121                    | 146  | 121                    | 146  |
| 2,00                                                                                                              |                                                                                   |      |                                                                                     |      | 81                     | 98   | 81                     | 98   |
| 2,25                                                                                                              |                                                                                   |      |                                                                                     |      | 57                     | 69   | 57                     | 69   |
| 2,50                                                                                                              |                                                                                   |      |                                                                                     |      | 50                     |      | 50                     |      |

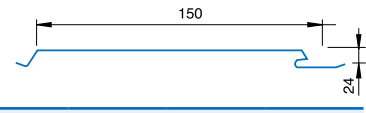
Fijación oculta Hidden fixing



| Ancho Width 200 (mm)                 |        |        |
|--------------------------------------|--------|--------|
| Espesor Thickness (mm)               |        |        |
|                                      | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 12,40  | 14,88  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 13,733 | 16,594 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 7,719  | 9,275  |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 19,263 | 22,955 |

| Ancho Width 200 (mm) |                                                                                   |      |                                                                                     |      |                        |      |                        |      |
|----------------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|------------------------|------|------------------------|------|
| Luz VANO<br>SPAN (m) |  |      |  |      |                        |      |                        |      |
|                      | PRESIÓN POSITIVE LOADS                                                            |      | SUCCIÓN NEGATIVE LOADS                                                              |      | PRESIÓN POSITIVE LOADS |      | SUCCIÓN NEGATIVE LOADS |      |
|                      | Espesor Thickness (mm)                                                            |      |                                                                                     |      |                        |      |                        |      |
|                      | 1,00                                                                              | 1,20 | 1,00                                                                                | 1,20 | 1,00                   | 1,20 | 1,00                   | 1,20 |
| 1,25                 | 162                                                                               | 196  | 162                                                                                 | 196  |                        |      |                        |      |
| 1,50                 | 94                                                                                | 113  | 94                                                                                  | 113  | 142                    |      |                        |      |
| 1,75                 | 59                                                                                | 71   | 59                                                                                  | 71   | 95                     | 171  | 142                    | 171  |
| 2,00                 |                                                                                   |      |                                                                                     |      | 67                     | 115  | 95                     | 115  |
| 2,25                 |                                                                                   |      |                                                                                     |      |                        | 81   | 67                     | 81   |
| 2,50                 |                                                                                   |      |                                                                                     |      |                        | 59   |                        | 59   |

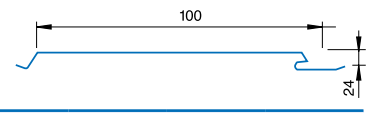
Fijación oculta Hidden fixing



| Ancho Width 150 (mm)                 |        |        |
|--------------------------------------|--------|--------|
| Espesor Thickness (mm)               |        |        |
|                                      | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 13,92  | 16,70  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 16,633 | 20,098 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 10,074 | 12,099 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 19,780 | 23,621 |

| Ancho Width 150 (mm) |                                                                                     |      |                                                                                       |      |                        |      |                        |      |
|----------------------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------|------------------------|------|------------------------|------|
| Luz VANO<br>SPAN (m) |  |      |  |      |                        |      |                        |      |
|                      | PRESIÓN POSITIVE LOADS                                                              |      | SUCCIÓN NEGATIVE LOADS                                                                |      | PRESIÓN POSITIVE LOADS |      | SUCCIÓN NEGATIVE LOADS |      |
|                      | Espesor Thickness (mm)                                                              |      |                                                                                       |      |                        |      |                        |      |
|                      | 1,00                                                                                | 1,20 | 1,00                                                                                  | 1,20 | 1,00                   | 1,20 | 1,00                   | 1,20 |
| 1,25                 | 196                                                                                 |      | 196                                                                                   |      |                        |      |                        |      |
| 1,50                 | 114                                                                                 | 137  | 114                                                                                   | 137  |                        |      |                        |      |
| 1,75                 | 72                                                                                  | 86   | 72                                                                                    | 86   | 172                    |      | 172                    |      |
| 2,00                 |                                                                                     | 58   |                                                                                       | 58   | 115                    | 139  | 115                    | 139  |
| 2,25                 |                                                                                     |      |                                                                                       |      | 81                     | 98   | 81                     | 98   |
| 2,50                 |                                                                                     |      |                                                                                       |      | 59                     | 71   | 59                     | 71   |
| 2,75                 |                                                                                     |      |                                                                                       |      |                        | 53   |                        | 53   |

Fijación oculta Hidden fixing



| Ancho Width 100 (mm)                 |        |        |
|--------------------------------------|--------|--------|
| Espesor Thickness (mm)               |        |        |
|                                      | 1,00   | 1,20   |
| Peso Weight (kg/m <sup>2</sup> )     | 16,96  | 20,35  |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 21,229 | 25,652 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 14,521 | 17,427 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 20,609 | 24,663 |

| Ancho Width 100 (mm) |                                                                                     |      |                                                                                       |      |                        |      |                        |      |
|----------------------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------|------------------------|------|------------------------|------|
| Luz VANO<br>SPAN (m) |  |      |  |      |                        |      |                        |      |
|                      | PRESIÓN POSITIVE LOADS                                                              |      | SUCCIÓN NEGATIVE LOADS                                                                |      | PRESIÓN POSITIVE LOADS |      | SUCCIÓN NEGATIVE LOADS |      |
|                      | Espesor Thickness (mm)                                                              |      |                                                                                       |      |                        |      |                        |      |
|                      | 1,00                                                                                | 1,20 | 1,00                                                                                  | 1,20 | 1,00                   | 1,20 | 1,00                   | 1,20 |
| 1,25                 | 145                                                                                 |      | 145                                                                                   |      |                        |      |                        |      |
| 1,50                 | 91                                                                                  | 175  | 91                                                                                    | 175  |                        |      |                        |      |
| 1,75                 | 61                                                                                  | 110  | 61                                                                                    | 110  | 147                    |      | 147                    |      |
| 2,00                 |                                                                                     | 74   |                                                                                       | 74   | 103                    | 177  | 103                    | 177  |
| 2,25                 |                                                                                     |      |                                                                                       |      | 75                     | 125  | 75                     | 125  |
| 2,50                 |                                                                                     |      |                                                                                       |      | 57                     | 91   | 57                     | 91   |
| 2,75                 |                                                                                     |      |                                                                                       |      |                        | 68   |                        | 68   |

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada como revestimiento exterior de fachada simple o sándwich (en posición horizontal y/o vertical).  
Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.



TABLA DE CARACTERÍSTICAS DE FABRICACIÓN / MANUFACTURING CHARACTERISTICS TABLE

PERFILES DE FACHADA Y FACHADA ARQUITECTÓNICA / FACADE PROFILES AND ARCHITECTURAL FACADE

|                  | Corte 45°<br>45° Cutting | Film plástico<br>Plastic film | Longitud máx. de perfilado<br>Max. profiling length<br>(mm) | Longitud mín. de perfilado<br>Min. profiling length<br>(mm) | Longitud mín. de corte<br>Min. cutting length<br>(mm) | Junta estanca<br>Filler block |
|------------------|--------------------------|-------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------|-------------------------------|
| EUROFORM 23 FS   | NO                       | (CM,PP)                       | 14.000                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROFORM 34 FS   | NO                       | (CM,PP, HPF)                  | 14.000                                                      | 1.800                                                       | 100                                                   | SÍ YES                        |
| EUROBASE 40 FS   | NO                       | (PP, HPF)                     | 16.990                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROBASE 48 FS   | NO                       | (PP, HPF)                     | 14.000                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROBASE 56 FS   | NO                       | (PP, HPF)                     | 14.000                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROBASE 67 FS   | NO                       | (PP, HPF)                     | 14.000                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROBASE 106 FS  | NO                       | (PP, L)                       | 16.990                                                      | 1.200                                                       | 1.200                                                 | SÍ YES                        |
| EUROBAC 80 FS    | NO                       | (BL,CM,PP)                    | 14.000                                                      | 2.500                                                       | 100                                                   | NO                            |
| EUROBAC 150 FS   | NO                       | (BL,CM,PP)                    | 16.990                                                      | 2.500                                                       | 2.500                                                 | NO                            |
| EUROLINE 12 FA   | NO                       | (P,CM,PP)                     | 4.000                                                       | 100                                                         | 100                                                   | NO                            |
| EUROMODUL 44 FA  | NO                       | (CM,PP)                       | 14.000                                                      | 1.800                                                       | 100                                                   | SÍ YES                        |
| GIZA FA          | NO                       | (P, CM, PP)                   | 4.500                                                       | 100                                                         | 100                                                   | NO                            |
| ATENEA FA        | SÍ YES                   | (P,CM,PP)                     | 16.990                                                      | 1.800                                                       | 100                                                   | SÍ YES                        |
| EGEO FA          | SÍ YES                   | (P,CM,PP)                     | 16.990                                                      | 1.200                                                       | 100                                                   | SÍ YES                        |
| EUROLINE 300 FA  | NO                       | (P,CM,PP)                     | 6.000                                                       | 100                                                         | 100                                                   | NO                            |
| EUROLINE AV FA   | NO                       | (P,CM,PP)                     | 6.000                                                       | 100                                                         | 100                                                   | NO                            |
| EUROLINE-N300 FA | NO                       | (P,CM,PP)                     | 6.000                                                       | 1.200                                                       | 1.200                                                 | NO                            |
| CRETA FA         | NO                       | (P,CM,PP)                     | 16.990                                                      | 1.200                                                       | 100                                                   | NO                            |
| MINIONDA FA      | SÍ YES                   | (P,CM,PP)                     | 14.000                                                      | 1.800                                                       | 100                                                   | SÍ YES                        |
| MEDEA FA         | NO                       | (P, CM, PP)                   | 6.000                                                       | 100                                                         | 100                                                   | NO                            |
| KEOPS FA         | NO                       | (P, CM, PP)                   | 14.000                                                      | 1.800                                                       | 1.800                                                 | SÍ YES                        |
| KEFREN 3.1 FA    | NO                       | (P,CM,PP)                     | 6.000                                                       | 100                                                         | 100                                                   | NO                            |
| KEFREN 3.2 FA    | NO                       | (P,CM,PP)                     | 6.000                                                       | 100                                                         | 100                                                   | NO                            |

(P): Prelacados / Coated

(BL): Bandas laterales / Sidebands

(CM): Colores metalizados / Metallic colors

(PP): Perforado Prelacado / Coated perforated

(HPF): Haironphone prelacado posición fachada / Haironphone pre-laquered façade position

(L): Curvado liso / Smooth curving

(E): Curvado por embutición prelacado / Coated crimp curving


Junta estanca  
Filler block

Translúcido  
Translucent

Perforado  
Perforated

Curvado  
Curved



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## Forjado y Encofrado

Los perfiles metálicos se han convertido en una solución enormemente práctica a tener en cuenta en la ejecución de forjados. La utilización del forjado metálico ofrece ventajas muy interesantes desde el punto de vista técnico, económico o de ejecución, tanto si se opta por la colocación de una chapa para forjado colaborante como si se elige un forjado metálico tipo encofrado perdido.

## Composite Floor and Permanent Formwork

Metal profiles have become an enormously practical solution to consider for the execution of composite floors. The use of the metal composite floor offers very interesting technical, economical and executional advantages, whether you choose to place a sheet as a composite floor or as a permanent formwork.

HAIRCOL 59  
Torre Agbar (Barcelona, España)  
*Agbar Tower (Barcelona, Spain)*



**HAIRCOL 59**

Ciudad de la cultura, Santiago  
de Compostela (A Coruña, España)  
*City of Culture, Santiago  
de Compostela (A Coruña, Spain)*

**HAIRCOL 59**

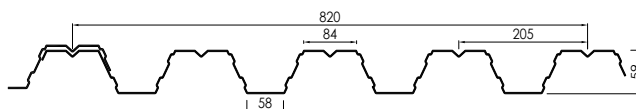
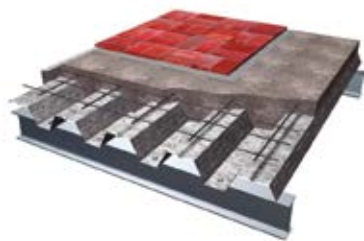
Centro de Arte de Alcobendas (Madrid, España)  
*Arts Centre in Alcobendas (Madrid, Spain)*

KORONA 60  
Nave en barrio 22@ (Barcelona, España)  
*Warehouse in 22@ quarter (Barcelona, Spain)*



## HAIRCOL 59 FC

Perfil / Profile 4.205.59



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF COMPOSITE SLAB\*

|  |       |       | Altura de losa<br>Slab depth<br>h (cm)             |    |    |    |     |     |     |     |     |     |     |     |
|-----------------------------------------------------------------------------------|-------|-------|----------------------------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                                                                   |       |       | 11                                                 | 12 | 13 | 14 | 15  | 16  | 17  | 18  | 19  | 20  | 25  |     |
| Espesor Thickness (mm)                                                            |       |       | Volumen de hormigón<br>Concrete volume<br>(dm³/m²) |    |    |    |     |     |     |     |     |     |     |     |
|                                                                                   | 0,75  | 1,00  | 1,20                                               | 77 | 87 | 97 | 107 | 117 | 127 | 137 | 147 | 157 | 167 | 217 |
| Peso Weight (kg/m²)                                                               | 8,97  | 11,97 | 14,36                                              |    |    |    |     |     |     |     |     |     |     |     |
| I <sub>y</sub> (cm⁴/ml)                                                           | 55,15 | 74,56 | 90,10                                              |    |    |    |     |     |     |     |     |     |     |     |
| W <sub>y</sub> (cm³/ml)                                                           | 17,02 | 23,02 | 27,81                                              |    |    |    |     |     |     |     |     |     |     |     |
| W <sub>z</sub> (cm³/ml)                                                           | 20,73 | 28,03 | 33,87                                              |    |    |    |     |     |     |     |     |     |     |     |

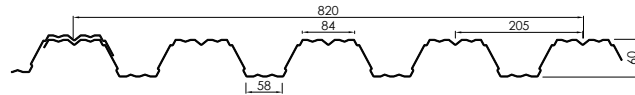
| Peso<br>Weight<br>(Kg/m²) | Espesor de chapa<br>Profile thickness |     |     |     |     |     |     |     |     |     |     |  |
|---------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|                           | 0,75 (mm)                             |     |     |     |     |     |     |     |     |     |     |  |
|                           | 194                                   | 218 | 242 | 266 | 290 | 314 | 338 | 362 | 386 | 410 | 530 |  |
|                           | 197                                   | 221 | 245 | 269 | 293 | 317 | 341 | 365 | 389 | 413 | 533 |  |
|                           | 1,20 (mm)                             |     |     |     |     |     |     |     |     |     |     |  |
|                           | 199                                   | 223 | 247 | 271 | 295 | 319 | 343 | 367 | 391 | 415 | 533 |  |

TABLAS DE CARGA LOAD TABLES daN/m²

| Espesor Thickness 0,75 mm |                                                                                   |      |      |      |      |      |      |      |      |      |                                                                                    |      |      |      |      |      |      |      |      |      |                                                                                     |      |      |      |      |      |      |      |      |      |
|---------------------------|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|
| H (cm)                    |  |      |      |      |      |      |      |      |      |      |  |      |      |      |      |      |      |      |      |      |  |      |      |      |      |      |      |      |      |      |
| Luz Span (m)              | 11                                                                                | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11                                                                                 | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11                                                                                  | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 2,00                      | 1001                                                                              | 1101 | 1202 | 1303 | 1405 | 1506 | 1608 | 1710 | 1812 | 1915 | 1259                                                                               | 1385 | 1512 | 1639 | 1767 | 1894 | 2022 | 2150 | 2278 | 2407 | 1205                                                                                | 1236 | 1447 | 1569 | 1691 | 1813 | 1936 | 2058 | 2181 | 2304 |
| 2,20                      | 830                                                                               | 913  | 997  | 1081 | 1165 | 1250 | 1334 | 1418 | 1502 | 1586 | 1044                                                                               | 1148 | 1254 | 1359 | 1465 | 1571 | 1677 | 1783 | 1889 | 1996 | 999                                                                                 | 1099 | 1200 | 1301 | 1402 | 1503 | 1605 | 1707 | 1809 | 1911 |
| 2,40                      | 700                                                                               | 770  | 841  | 913  | 986  | 1060 | 1134 | 1208 | 1282 | 1356 | 879                                                                                | 968  | 1057 | 1146 | 1235 | 1324 | 1414 | 1503 | 1593 | 1683 | 842                                                                                 | 927  | 1012 | 1097 | 1182 | 1268 | 1353 | 1439 | 1525 | 1611 |
| 2,60                      | 598                                                                               | 668  | 739  | 811  | 884  | 957  | 1030 | 1103 | 1176 | 1249 | 752                                                                                | 827  | 903  | 979  | 1055 | 1132 | 1208 | 1285 | 1362 | 1439 | 719                                                                                 | 792  | 865  | 937  | 1010 | 1084 | 1157 | 1230 | 1301 | 1374 |
| 2,80                      | 526                                                                               | 596  | 668  | 740  | 812  | 884  | 956  | 1028 | 1100 | 1172 | 650                                                                                | 715  | 781  | 847  | 913  | 979  | 1045 | 1111 | 1177 | 1243 | 622                                                                                 | 685  | 748  | 811  | 874  | 937  | 1000 | 1063 | 1125 | 1188 |
| 3,00                      | 464                                                                               | 534  | 606  | 678  | 750  | 822  | 894  | 966  | 1038 | 1110 | 568                                                                                | 625  | 683  | 740  | 802  | 864  | 926  | 988  | 1050 | 1112 | 544                                                                                 | 598  | 654  | 712  | 770  | 828  | 885  | 942  | 1000 | 1058 |
| 3,20                      | 412                                                                               | 482  | 554  | 626  | 698  | 770  | 842  | 914  | 986  | 1058 | 500                                                                                | 551  | 607  | 663  | 719  | 775  | 831  | 887  | 943  | 1000 | 479                                                                                 | 526  | 582  | 638  | 694  | 750  | 806  | 862  | 918  | 974  |
| 3,40                      | 360                                                                               | 430  | 502  | 574  | 646  | 718  | 790  | 862  | 934  | 1006 | 445                                                                                | 488  | 531  | 574  | 617  | 660  | 703  | 746  | 789  | 832  | 426                                                                                 | 468  | 511  | 554  | 597  | 640  | 683  | 726  | 769  | 812  |
| 3,60                      | 318                                                                               | 388  | 460  | 532  | 604  | 676  | 748  | 820  | 892  | 964  | 396                                                                                | 438  | 481  | 524  | 567  | 610  | 653  | 696  | 739  | 782  | 377                                                                                 | 419  | 462  | 505  | 548  | 591  | 634  | 677  | 720  | 763  |
| 3,80                      | 276                                                                               | 346  | 418  | 490  | 562  | 634  | 706  | 778  | 850  | 922  | 344                                                                                | 386  | 429  | 472  | 515  | 558  | 601  | 644  | 687  | 730  | 325                                                                                 | 367  | 410  | 453  | 496  | 539  | 582  | 625  | 668  | 711  |
| 4,00                      | 234                                                                               | 304  | 376  | 448  | 520  | 592  | 664  | 736  | 808  | 880  | 292                                                                                | 334  | 377  | 420  | 463  | 506  | 549  | 592  | 635  | 678  | 273                                                                                 | 315  | 358  | 401  | 444  | 487  | 530  | 573  | 616  | 659  |

| Espesor Thickness 1,00 mm |                                                                                     |      |      |      |      |      |      |      |      |      |                                                                                     |      |      |      |      |      |      |      |      |      |                                                                                       |      |      |      |      |      |      |      |      |      |
|---------------------------|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|
| H (cm)                    |  |      |      |      |      |      |      |      |      |      |  |      |      |      |      |      |      |      |      |      |  |      |      |      |      |      |      |      |      |      |
| Luz Span (m)              | 11                                                                                  | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11                                                                                  | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11                                                                                    | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 2,00                      | 1315                                                                                | 1448 | 1581 | 1714 | 1848 | 1982 | 2116 | 2251 | 2386 | 2521 | 1434                                                                                | 1620 | 1806 | 1992 | 2177 | 2363 | 2549 | 2735 | 2921 | 3107 | 1452                                                                                  | 1640 | 1828 | 2016 | 2204 | 2387 | 2549 | 2711 | 2874 | 3036 |
| 2,20                      | 1090                                                                                | 1200 | 1310 | 1420 | 1531 | 1642 | 1754 | 1866 | 1977 | 2090 | 1287                                                                                | 1454 | 1621 | 1787 | 1927 | 2067 | 2207 | 2347 | 2488 | 2629 | 1303                                                                                  | 1445 | 1578 | 1711 | 1844 | 1978 | 2112 | 2246 | 2381 | 2516 |
| 2,40                      | 918                                                                                 | 1011 | 1103 | 1197 | 1290 | 1384 | 1478 | 1572 | 1666 | 1760 | 1155                                                                                | 1272 | 1388 | 1506 | 1623 | 1741 | 1859 | 1977 | 2096 | 2215 | 1106                                                                                  | 1217 | 1329 | 1441 | 1553 | 1666 | 1779 | 1893 | 2006 | 2120 |
| 2,60                      | 784                                                                                 | 863  | 943  | 1022 | 1102 | 1181 | 1261 | 1340 | 1420 | 1500 | 986                                                                                 | 1086 | 1186 | 1286 | 1386 | 1487 | 1588 | 1689 | 1790 | 1892 | 944                                                                                   | 1039 | 1135 | 1231 | 1327 | 1423 | 1520 | 1617 | 1714 | 1811 |
| 2,80                      | 678                                                                                 | 757  | 837  | 916  | 996  | 1076 | 1156 | 1236 | 1316 | 1396 | 852                                                                                 | 938  | 1025 | 1111 | 1198 | 1285 | 1372 | 1460 | 1548 | 1635 | 816                                                                                   | 898  | 981  | 1064 | 1147 | 1230 | 1314 | 1398 | 1481 | 1564 |
| 3,00                      | 586                                                                                 | 665  | 745  | 824  | 904  | 984  | 1064 | 1144 | 1224 | 1304 | 744                                                                                 | 819  | 895  | 970  | 1046 | 1122 | 1199 | 1275 | 1352 | 1428 | 712                                                                                   | 784  | 856  | 929  | 1002 | 1074 | 1147 | 1220 | 1292 | 1364 |
| 3,20                      | 504                                                                                 | 583  | 663  | 742  | 822  | 902  | 982  | 1062 | 1142 | 1222 | 655                                                                                 | 722  | 788  | 855  | 922  | 989  | 1056 | 1123 | 1190 | 1257 | 627                                                                                   | 691  | 755  | 818  | 881  | 944  | 1007 | 1070 | 1133 | 1196 |
| 3,40                      | 432                                                                                 | 511  | 591  | 670  | 750  | 830  | 910  | 990  | 1070 | 1150 | 582                                                                                 | 641  | 700  | 759  | 818  | 877  | 936  | 995  | 1054 | 1113 | 557                                                                                   | 613  | 672  | 731  | 790  | 849  | 908  | 967  | 1026 | 1085 |
| 3,60                      | 360                                                                                 | 439  | 519  | 598  | 678  | 758  | 838  | 918  | 998  | 1078 | 520                                                                                 | 573  | 629  | 686  | 743  | 800  | 857  | 914  | 971  | 1028 | 505                                                                                   | 558  | 615  | 672  | 729  | 786  | 843  | 900  | 957  | 1014 |
| 3,80                      | 288                                                                                 | 367  | 447  | 526  | 606  | 686  | 766  | 846  | 926  | 1006 | 468                                                                                 | 510  | 566  | 623  | 680  | 737  | 794  | 851  | 908  | 965  | 443                                                                                   | 496  | 553  | 610  | 667  | 724  | 781  | 838  | 895  | 952  |
| 4,00                      | 216                                                                                 | 295  | 375  | 454  | 534  | 614  | 694  | 774  | 854  | 934  | 396                                                                                 | 438  | 495  | 552  | 609  | 666  | 723  | 780  | 837  | 894  | 377                                                                                   | 420  | 477  | 534  | 591  | 648  | 705  | 762  | 819  | 876  |
| 4,20                      | 144                                                                                 | 223  | 303  | 382  | 462  | 542  | 622  | 702  | 782  | 862  | 324                                                                                 | 366  | 423  | 480  | 537  | 594  | 651  | 708  | 765  | 822  | 305                                                                                   | 347  | 404  | 461  | 518  | 575  | 632  | 689  | 746  | 803  |
| 4,40                      | 72                                                                                  | 151  | 231  | 310  | 390  | 470  | 550  | 630  | 710  | 790  | 252                                                                                 | 294  | 351  | 408  | 465  | 522  | 579  | 636  | 693  | 750  | 233                                                                                   | 275  | 332  | 389  | 446  | 503  | 560  | 617  | 674  | 731  |
| 4,60                      | 0                                                                                   | 79   | 159  | 239  | 319  | 399  | 479  | 559  | 639  | 719  | 180                                                                                 | 222  | 279  | 336  | 393  | 450  | 507  | 564  | 621  | 678  | 151                                                                                   | 193  | 250  | 307  | 364  | 421  | 478  | 535  | 592  | 649  |

| Espesor Thickness 1,20 mm |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| H (cm)                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| Luz Span (m)              | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |     |
| 2,20                      | 1294 | 1424 | 1555 | 1687 | 1819 | 1951 | 2084 | 2217 | 2350 | 2483 |      |      |      |      |      |      |      |      |      |      | 1302 | 1471 | 1640 | 1809 | 1978 | 2147 | 2317 | 2486 | 2655 | 2824 |     |
| 2,40                      | 1089 | 1199 | 1310 | 1421 | 1532 | 1643 | 1755 | 1867 | 1979 | 2092 | 1162 | 1314 | 1465 | 1616 | 1767 | 1919 | 2070 | 2221 | 2372 | 2524 | 1178 | 1331 | 1484 | 1638 | 1791 | 1944 | 2097 | 2249 | 2384 | 2520 |     |
| 2,60                      | 930  | 1024 | 1118 | 1213 | 1308 | 1403 | 1085 | 1152 | 1219 | 1286 | 1058 | 1196 | 1334 | 1472 | 1610 | 1747 | 1885 | 2006 | 2127 | 2248 | 1073 | 1213 | 1347 | 1461 | 1575 | 1690 | 1805 | 1920 | 2036 | 2151 |     |
| 2,80                      | 804  | 885  | 966  | 721  | 775  | 828  | 882  | 936  | 990  | 1044 | 969  | 1095 | 1216 | 1319 | 1422 | 1526 | 1630 | 1734 | 1838 | 1942 | 968  | 1066 | 1164 | 1262 | 1361 | 1460 | 1560 | 1659 | 1759 | 1858 |     |
| 3,00                      | 701  | 503  | 546  | 588  | 631  | 675  | 718  | 761  | 805  | 849  | 883  | 972  | 1061 | 1151 | 1241 | 1332 | 1422 | 1513 | 1413 | 1696 | 845  | 930  | 1016 | 1102 | 1188 | 1275 | 1362 | 1449 | 1536 | 1623 |     |
| 3,20                      | 378  | 411  | 445  | 480  | 514  | 549  | 584  | 619  | 654  | 689  | 777  | 856  | 935  | 1014 | 1093 | 1173 | 1253 | 1333 | 895  | 1493 | 744  | 819  | 895  | 970  | 1046 | 1123 | 865  | 918  | 972  | 1029 |     |
| 3,40                      | 308  | 335  | 362  | 389  | 417  | 445  | 472  | 500  | 528  | 556  | 690  | 759  | 829  | 900  | 970  | 1041 | 1112 | 846  | 760  | 944  | 660  | 727  | 794  | 861  | 640  | 585  | 729  | 774  | 819  | 864  |     |
| 3,60                      | 250  | 271  | 292  | 314  |      |      | 335  | 357  | 379  | 401  | 423  | 445  | 613  | 679  | 741  | 804  | 867  | 635  | 677  | 718  | 645  | 801  | 590  | 650  | 767  | 504  | 541  | 578  | 615  | 653  | 690 |
| 3,80                      |      |      |      |      | 266  | 283  | 300  | 317  | 334  | 351  | 526  | 610  | 667  | 471  | 506  | 540  | 575  | 610  | 547  | 680  | 334  | 365  | 395  | 426  | 457  | 488  | 519  | 550  | 581  | 613  |     |
| 4,00                      |      |      |      |      |      |      |      |      | 258  | 271  |      | 344  | 372  | 401  | 430  | 459  | 488  | 518  | 463  | 577  |      | 308  | 333  | 359  | 384  | 410  | 436  | 462  | 488  | 514  |     |
| 4,20                      |      |      |      |      |      |      |      |      |      |      | 292  | 316  | 340  | 365  | 389  | 414  | 438  | 390  | 488  |      | 259  | 280  | 301  | 322  | 344  | 365  | 386  | 408  | 430  |      |     |
| 4,40                      |      |      |      |      |      |      |      |      |      |      |      | 268  | 288  | 308  | 328  | 349  | 369  | 326  | 411  |      |      |      |      | 251  | 268  | 286  | 303  |      | 321  | 338  |     |
| 4,60                      |      |      |      |      |      |      |      |      |      |      |      |      |      | 258  | 275  | 292  | 309  | 270  | 343  |      |      |      |      |      |      |      |      | 263  | 278  | 292  |     |
| 4,80                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 256  |      | 284  |      |      |      |      |      |      |      |      |      |      |      |     |
| 5,00                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |

**EUROCOL 60 FC**  
Perfil / Profile 4.205.60

VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF COMPOSITE SLAB\*

|                                                                                   |                                       |       |                                                    |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|-----------------------------------------------------------------------------------|---------------------------------------|-------|----------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|
|  |                                       |       | Altura de losa<br>Slab depth<br>h (cm)             |     | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20 |    |    |    |    |     |     |     |     |
|                                                                                   |                                       |       | Volumen de hormigón<br>Concrete volume<br>(dm³/m²) |     |     |     |     |     |     |     |     |     |     |     |    | 67 | 77 | 87 | 97 | 107 | 117 | 127 | 137 |
| Espesor Thickness (mm)                                                            |                                       |       |                                                    |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|                                                                                   | 0,75                                  | 1,00  | 1,20                                               |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| Peso Weight (kg/m²)                                                               | 8,97                                  | 11,97 | 14,36                                              |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| I <sub>y</sub> (cm⁴/ml)                                                           | 55,15                                 | 74,56 | 90,10                                              |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| W <sub>y</sub> (cm³/ml)                                                           | 17,02                                 | 23,02 | 27,81                                              |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| W <sub>z</sub> (cm³/ml)                                                           | 20,73                                 | 28,03 | 33,87                                              |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| Peso Weight<br>(Kg/m²)                                                            | Espesor de chapa<br>Profile thickness |       |                                                    |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|                                                                                   | 0,75 (mm)                             |       |                                                    | 170 | 194 | 218 | 242 | 266 | 290 | 314 | 338 | 362 | 386 | 410 |    |    |    |    |    |     |     |     |     |
|                                                                                   | 1,00 (mm)                             |       |                                                    | 173 | 197 | 221 | 245 | 269 | 293 | 317 | 341 | 365 | 389 | 413 |    |    |    |    |    |     |     |     |     |
|                                                                                   | 1,20 (mm)                             |       |                                                    | 175 | 199 | 223 | 247 | 271 | 295 | 319 | 343 | 367 | 391 | 415 |    |    |    |    |    |     |     |     |     |

TABLAS DE CARGA LOAD TABLES daN/m²

Espesor Thickness 0,75 mm

| H (cm)          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Luz<br>Span (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                 | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 2,00            | 1119 | 1263 | 1406 | 1550 | 1694 | 1838 | 1982 | 2126 | 2270 | 2413 | 1260 | 1422 | 1584 | 1746 | 1908 | 2070 | 2232 | 2394 | 2556 | 2718 | 1330 | 1501 | 1672 | 1843 | 2014 | 2185 | 2356 | 2527 | 2697 | 2868 |
| 2,20            | 892  | 1007 | 1122 | 1236 | 1351 | 1466 | 1581 | 1696 | 1810 | 1924 | 1012 | 1142 | 1272 | 1402 | 1532 | 1662 | 1792 | 1923 | 2053 | 2183 | 1066 | 1203 | 1341 | 1478 | 1615 | 1752 | 1889 | 2026 | 2163 | 2301 |
| 2,40            | 720  | 812  | 905  | 982  | 1073 | 1165 | 1276 | 1368 | 1461 | 1554 | 823  | 929  | 1035 | 1141 | 1247 | 1352 | 1458 | 1564 | 1670 | 1776 | 866  | 977  | 1089 | 1200 | 1312 | 1423 | 1535 | 1646 | 1757 | 1869 |
| 2,60            | 586  | 644  | 717  | 812  | 888  | 963  | 1039 | 1114 | 1190 | 1265 | 676  | 763  | 850  | 937  | 1024 | 1111 | 1198 | 1286 | 1373 | 1460 | 710  | 802  | 893  | 984  | 1076 | 1167 | 1259 | 1350 | 1442 | 1533 |
| 2,80            | 479  | 541  | 603  | 665  | 727  | 789  | 851  | 913  | 974  | 1036 | 560  | 632  | 704  | 776  | 848  | 920  | 992  | 1065 | 1137 | 1209 | 587  | 662  | 738  | 813  | 889  | 965  | 1040 | 1116 | 1191 | 1267 |
| 3,00            | 394  | 445  | 495  | 546  | 597  | 648  | 699  | 750  | 801  | 852  | 466  | 526  | 586  | 646  | 706  | 766  | 826  | 886  | 947  | 1007 | 487  | 550  | 613  | 675  | 738  | 801  | 864  | 927  | 990  | 1053 |
| 3,20            | 324  | 366  | 407  | 449  | 491  | 533  | 575  | 617  | 659  | 701  | 389  | 439  | 489  | 540  | 590  | 640  | 690  | 741  | 791  | 841  | 405  | 458  | 510  | 563  | 615  | 667  | 720  | 772  | 825  | 877  |
| 3,40            | 266  | 300  | 335  | 369  | 404  | 438  | 472  | 507  | 541  | 576  | 325  | 367  | 410  | 452  | 494  | 536  | 578  | 620  | 662  | 704  | 338  | 382  | 425  | 469  | 513  | 557  | 600  | 644  | 688  | 732  |
| 3,60            | 217  | 245  | 274  | 302  | 330  | 358  | 387  | 415  | 443  | 471  | 272  | 307  | 343  | 378  | 413  | 448  | 484  | 519  | 554  | 590  | 281  | 318  | 354  | 391  | 428  | 464  | 501  | 537  | 574  | 610  |
| 3,80            | 176  | 199  | 222  | 245  | 268  | 291  | 314  | 337  | 360  | 383  | 227  | 257  | 286  | 316  | 345  | 375  | 404  | 434  | 463  | 493  | 234  | 264  | 294  | 325  | 355  | 386  | 416  | 446  | 477  | 507  |
| 4,00            | 141  | 159  | 178  | 196  | 215  | 233  | 252  | 270  | 289  | 307  | 189  | 213  | 238  | 262  | 287  | 312  | 336  | 361  | 385  | 410  | 193  | 218  | 243  | 268  | 294  | 319  | 344  | 369  | 394  | 419  |
| 4,20            | 111  | 125  | 140  | 155  | 169  | 184  | 198  | 213  | 228  | 242  | 156  | 176  | 196  | 217  | 237  | 257  | 278  | 298  | 318  | 339  | 158  | 179  | 199  | 220  | 241  | 261  | 282  | 303  | 323  | 344  |
| 4,40            |      |      | 107  | 118  | 130  | 141  | 152  | 164  | 175  | 186  | 127  | 144  | 160  | 177  | 194  | 210  | 227  | 244  | 260  | 277  | 127  | 144  | 161  | 178  | 195  | 211  | 228  | 245  | 262  | 278  |
| 4,60            |      |      |      |      |      | 104  | 112  | 120  |      |      | 102  | 116  | 129  | 142  | 156  | 169  | 183  | 196  | 210  | 223  | 101  | 114  | 128  | 141  | 155  | 168  | 181  | 195  | 208  | 221  |
| 4,80            |      |      |      |      |      |      |      |      |      |      |      |      | 102  | 112  | 123  | 134  | 144  | 155  | 166  | 176  |      |      |      | 109  | 119  | 130  | 140  | 151  | 161  | 171  |
| 5,00            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 102  | 110  | 118  |      |      |      |      |      |      |      | 104  | 112  |      |      |      |

Espesor Thickness 1,00 mm

| H (cm)          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Luz<br>Span (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                 | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 2,00            | 1505 | 1679 | 1854 | 2032 | 2212 | 2395 | 2580 | 2767 | 2956 | 3148 | 1739 | 1962 | 2186 | 2410 | 2605 | 2765 | 2927 | 3092 | 3258 | 3427 | 1837 | 2074 | 2310 | 2546 | 2734 | 2901 | 3071 | 3243 | 3419 | 3596 |
| 2,20            | 1252 | 1413 | 1574 | 1736 | 1897 | 2058 | 2220 | 2381 | 2542 | 2703 | 1407 | 1588 | 1769 | 1950 | 2131 | 2312 | 2493 | 2674 | 2855 | 3005 | 1485 | 1676 | 1868 | 2059 | 2250 | 2441 | 2632 | 2824 | 3002 | 3155 |
| 2,40            | 1022 | 1153 | 1285 | 1417 | 1549 | 1680 | 1812 | 1928 | 2059 | 2190 | 1154 | 1303 | 1452 | 1601 | 1749 | 1898 | 2047 | 2195 | 2344 | 2493 | 1218 | 1374 | 1531 | 1688 | 1848 | 2002 | 2159 | 2316 | 2472 | 2629 |
| 2,60            | 843  | 951  | 1060 | 1169 | 1260 | 1368 | 1475 | 1604 | 1713 | 1822 | 958  | 1082 | 1205 | 1329 | 1452 | 1576 | 1699 | 1823 | 1946 | 2070 | 1009 | 1139 | 1270 | 1400 | 1530 | 1660 | 1790 | 1920 | 2051 | 2181 |
| 2,80            | 701  | 791  | 862  | 951  | 1063 | 1153 | 1244 | 1335 | 1425 | 1516 | 803  | 906  | 1010 | 1113 | 1217 | 1320 | 1424 | 1528 | 1631 | 1735 | 844  | 953  | 1062 | 1171 | 1280 | 1389 | 1498 | 1607 | 1716 | 1825 |
| 3,00            | 565  | 639  | 738  | 814  | 890  | 966  | 1041 | 1117 | 1193 | 1269 | 677  | 765  | 852  | 939  | 1027 | 1114 | 1202 | 1289 | 1377 | 1464 | 711  | 803  | 895  | 987  | 1079 | 1171 | 1264 | 1354 | 1445 | 1538 |
| 3,20            | 492  | 556  | 620  | 684  | 748  | 812  | 876  | 940  | 1003 | 1067 | 574  | 649  | 723  | 797  | 872  | 946  | 1020 | 1095 | 1169 | 1243 | 602  | 680  | 758  | 836  | 893  | 969  | 1070 | 1148 | 1226 | 1304 |
| 3,40            | 415  | 469  | 523  | 577  | 631  | 684  | 738  | 792  | 846  | 900  | 489  | 553  | 616  | 680  | 743  | 806  | 870  | 933  | 997  | 1060 | 512  | 578  | 622  | 686  | 777  | 844  | 910  | 977  | 1043 | 1109 |
| 3,60            | 350  | 395  | 441  | 487  | 532  | 578  | 623  | 669  | 715  | 760  | 418  | 472  | 527  | 581  | 635  | 690  | 744  | 798  | 853  | 907  | 436  | 468  | 550  | 606  | 663  | 720  | 776  | 833  | 890  | 947  |
| 3,80            | 295  | 333  | 372  | 410  | 449  | 488  | 526  | 565  | 603  | 642  | 358  | 404  | 451  | 498  | 544  | 591  | 637  | 684  | 730  | 777  | 372  | 421  | 469  | 518  | 566  | 615  | 663  | 712  | 760  | 809  |
| 4,00            | 248  | 280  | 313  | 346  | 378  | 411  | 443  | 476  | 508  | 541  | 306  | 346  | 386  | 426  | 466  | 506  | 546  | 586  | 626  | 666  | 318  | 359  | 401  | 442  | 484  | 525  | 567  | 608  | 650  | 691  |
| 4,20            | 183  | 235  | 262  | 290  | 317  | 344  | 372  | 399  | 427  | 454  | 262  | 297  | 331  | 365  | 400  | 434  | 468  | 502  | 537  | 571  | 271  | 306  | 342  | 377  | 413  | 448  | 484  | 519  | 555  | 590  |
| 4,40            | 126  | 155  | 218  | 241  | 264  | 287  | 310  | 333  | 356  | 379  | 224  | 253  | 283  | 312  | 342  | 371  | 400  | 430  | 459  | 489  | 230  | 260  | 291  | 321  | 351  | 382  | 412  | 442  | 473  | 503  |
| 4,60            |      | 135  | 180  | 199  | 218  | 237  | 256  | 275  | 294  | 313  | 191  | 216  | 241  | 266  | 291  | 316  | 341  | 366  | 392  | 417  | 195  | 221  | 246  | 272  | 298  | 323  | 349  | 375  | 403  | 426  |
| 4,80            |      |      | 142  | 162  | 178  | 193  | 209  | 224  | 240  | 255  | 161  | 183  | 204  | 225  | 247  | 268  | 289  | 311  | 332  | 354  | 164  | 185  | 207  | 229  | 251  | 272  | 294  | 316  | 338  | 360  |
| 5,00            |      |      |      | 129  | 142  | 154  | 167  | 180  | 192  | 205  | 135  | 153  | 172  | 190  | 208  | 226  | 244  | 262  | 280  | 298  | 136  | 155  | 173  | 191  | 209  | 227  | 246  | 264  | 282  | 300  |

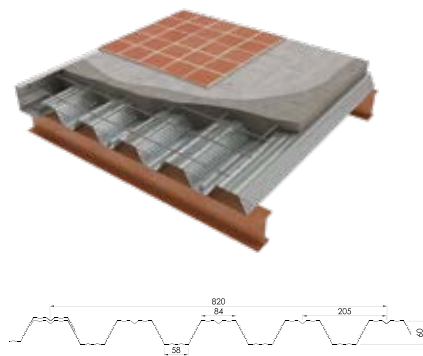
Espesor Thickness 1,20 mm

| H (cm)       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Luz Span (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
| 2,00         | 1548 | 1722 | 1898 | 2076 | 2256 | 2439 | 2624 | 2811 | 3001 | 3193 | 1850 | 2094 | 2341 | 2589 | 2757 | 2914 | 3075 | 3238 | 3004 | 3572 | 1919 | 2174 | 2430 | 2689 | 2892 | 3058 | 3226 | 3397 | 3572 | 3749 |
| 2,20         | 1372 | 1524 | 1677 | 1832 | 1988 | 2146 | 2305 | 2466 | 2629 | 2793 | 1647 | 1863 | 2080 | 2298 | 2431 | 2567 | 2706 | 2847 | 2989 | 3133 | 1708 | 1933 | 2159 | 2387 | 2554 | 2696 | 2841 | 2989 | 3138 | 3290 |
| 2,40         | 1228 | 1363 | 1498 | 1635 | 1772 | 1910 | 2049 | 2190 | 2331 | 2474 | 1420 | 1603 | 1786 | 1968 | 2151 | 2286 | 2407 | 2530 | 2654 | 2780 | 1499 | 1692 | 1885 | 2078 | 2272 | 2403 | 2530 | 2659 | 2789 | 2920 |
| 2,60         | 1048 | 1184 | 1319 | 1454 | 1590 | 1716 | 1822 | 1945 | 2068 | 2192 | 1184 | 1337 | 1489 | 1642 | 1795 | 1947 | 2100 | 2253 | 2379 | 2489 | 1249 | 1410 | 1572 | 1732 | 1893 | 2054 | 2215 | 2377 | 2502 | 2617 |
| 2,80         | 877  | 991  | 1105 | 1200 | 1312 | 1424 | 1536 | 1672 | 1786 | 1899 | 997  | 1126 | 1254 | 1383 | 1512 | 1641 | 1769 | 1898 | 2027 | 2156 | 1050 | 1186 | 1322 | 1457 | 1593 | 1729 | 1864 | 2000 | 2136 | 2271 |
| 3,00         | 740  | 816  | 910  | 1004 | 1123 | 1219 | 1315 | 1411 | 1507 | 1603 | 846  | 955  | 1065 | 1174 | 1284 | 1393 | 1503 | 1612 | 1721 | 1831 | 890  | 1008 | 1121 | 1236 | 1351 | 1466 | 1581 | 1696 | 1812 | 1928 |
| 3,20         | 605  | 709  | 790  | 872  | 953  | 1035 | 1116 | 1198 | 1279 | 1361 | 723  | 816  | 910  | 1003 | 1097 | 1191 | 1284 | 1378 | 1471 | 1565 | 759  | 858  | 956  | 1054 | 1153 | 1251 | 1329 | 1426 | 1523 | 1620 |
| 3,40         | 534  | 604  | 673  | 743  | 812  | 882  | 951  | 1021 | 1090 | 1160 | 620  | 701  | 781  | 862  | 942  | 1023 | 1103 | 1184 | 1264 | 1345 | 651  | 735  | 820  | 904  | 966  | 1049 | 1132 | 1242 | 1327 | 1411 |
| 3,60         | 456  | 515  | 575  | 634  | 694  | 753  | 813  | 872  | 932  | 991  | 535  | 604  | 674  | 743  | 813  | 882  | 952  | 1022 | 1091 | 1161 | 560  | 633  | 682  | 753  | 823  | 924  | 997  | 1070 | 1143 | 1216 |
| 3,80         | 383  | 441  | 492  | 543  | 594  | 645  | 696  | 747  | 798  | 849  | 462  | 523  | 583  | 643  | 703  | 764  | 824  | 884  | 944  | 1005 | 483  | 520  | 609  | 672  | 735  | 798  | 861  | 924  | 987  | 1050 |
| 4,00         | 287  | 377  | 421  | 465  | 509  | 552  | 596  | 640  | 684  | 728  | 401  | 453  | 505  | 558  | 610  | 662  | 715  | 767  | 819  | 872  | 418  | 472  | 527  | 581  | 636  | 691  | 745  | 800  | 845  | 905  |
| 4,20         | 210  | 303  | 360  | 398  | 435  | 473  | 510  | 548  | 586  | 623  | 348  | 393  | 439  | 484  | 530  | 575  | 621  | 666  | 712  | 757  | 361  | 409  | 456  | 503  | 551  | 598  | 645  | 693  | 740  | 788  |
| 4,40         | 148  | 224  | 307  | 340  | 372  | 404  | 436  | 468  | 500  | 533  | 301  | 341  | 381  | 420  | 460  | 499  | 539  | 579  | 618  | 658  | 312  | 353  | 395  | 436  | 477  | 518  | 559  | 600  | 641  | 682  |
| 4,60         | 159  | 235  | 289  | 316  | 344  | 371  | 399  | 426  | 454  | 481  | 261  | 296  | 330  | 365  | 399  | 434  | 468  | 502  | 537  | 571  | 270  | 305  | 341  | 377  | 412  | 448  | 484  | 519  | 555  | 591  |
| 4,80         | 106  | 168  | 244  | 268  | 291  | 314  | 338  | 361  | 385  | 408  | 226  | 256  | 286  | 316  | 346  | 376  | 406  | 436  | 466  | 495  | 232  | 263  | 294  | 325  | 356  | 387  | 417  | 448  | 479  | 510  |
| 5,00         |      | 113  | 176  | 225  | 244  | 264  | 284  | 304  | 323  | 343  | 195  | 221  | 247  | 273  | 299  | 325  | 351  | 377  | 403  | 429  | 199  | 226  | 253  | 279  | 306  | 333  | 359  | 386  | 412  | 439  |



## KORONA 60 FC

Perfil / Profile 4.205.60



|                                      | Espesor Thickness (mm) |       |       |
|--------------------------------------|------------------------|-------|-------|
|                                      | 0,75                   | 1,00  | 1,20  |
| Peso Weight (kg/m <sup>2</sup> )     | 8,97                   | 11,97 | 14,36 |
| I <sub>y</sub> (cm <sup>4</sup> /ml) | 55,15                  | 74,56 | 90,10 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) | 17,02                  | 23,02 | 27,81 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) | 20,73                  | 28,03 | 33,87 |

| VOLUMEN Y PESO PROPIO DE LA LOSA<br>VOLUME AND WEIGHT OF COMPOSITE SLAB* |                                                    |                                         |      |      |
|--------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|------|------|
| Altura de losa<br>Slab depth<br>h (cm)                                   | Volumen de hormigón<br>Concrete volume<br>(dm³/m²) | Peso Weight (Kg/m²)                     |      |      |
|                                                                          |                                                    | Esp. de chapa<br>Profile thickness (mm) |      |      |
|                                                                          |                                                    | 0,75                                    | 1,00 | 1,20 |
| 10                                                                       | 66                                                 | 174                                     | 177  | 180  |
| 11                                                                       | 76                                                 | 199                                     | 202  | 205  |
| 12                                                                       | 86                                                 | 224                                     | 227  | 230  |
| 13                                                                       | 96                                                 | 249                                     | 252  | 255  |
| 14                                                                       | 106                                                | 274                                     | 277  | 280  |
| 15                                                                       | 116                                                | 299                                     | 302  | 305  |
| 16                                                                       | 126                                                | 324                                     | 327  | 330  |
| 17                                                                       | 136                                                | 349                                     | 352  | 355  |
| 18                                                                       | 146                                                | 374                                     | 377  | 380  |
| 19                                                                       | 156                                                | 399                                     | 402  | 405  |
| 20                                                                       | 166                                                | 424                                     | 427  | 430  |

| Q    | N    | Q: Sobrecarga de uso Carga Load (Kg/m <sup>2</sup> )<br>N: Sección de negativos área transversal de<br>mallazo Cross-sectional area of mesh (mm <sup>2</sup> /ml) |
|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P60  | P90  |                                                                                                                                                                   |
| P120 | P180 |                                                                                                                                                                   |

P60: Diámetro de barra en el nervio (mm) para R 60

Reinforcement bar diameter in the rib for R 60

P90: Diámetro de barra en el nervio (mm) para R 90

Reinforcement bar diameter in the rib for R 90

P120: Diámetro de barra en el nervio (mm) para R 120

Reinforcement bar diameter in the rib for R 120

P180: Diámetro de barra en el nervio (mm) para R 180

Reinforcement bar diameter in the rib for R 180

Distancia de la barra de refuerzo al fondo del nervio Distance  
of the reinforcement bar to the lower flange of the steel sheet: 40 mm

### Aplicaciones Scope

Chapa metálica de acero autoportante destinada al encofrado inferior de una losa de hormigón en fase de fraguado y actuando de armadura de positivos en fase de servicio.

Profiled steel floor decking for use of composite floor slabs.



|  |                                         |
|--|-----------------------------------------|
|  | Zona sin apuntalamiento Unpropped slabs |
|  | Zona con 1 puntal Propped slabs         |

TABLAS DE CARGA LOAD TABLES daN/m<sup>2</sup>

|                 |        | Espesor Thickness 0,75 mm |          |          |          |          |          |          |          |          |          |          |
|-----------------|--------|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Luz<br>Span (m) | H (cm) | 10                        | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |
|                 |        | 1127 80                   | 1311 100 | 1501 120 | 1694 140 | 1893 160 | 2097 180 | 2306 200 | 2521 220 | 2742 240 | 2918 260 | 3076 280 |
| 2,00            |        |                           |          | 8        |          | 8 10     | 8 10     | 8 10     | 14       | 14       | 14       | 8 10     |
| 2,20            |        | 998 80                    | 1160 100 | 1325 120 | 1495 140 | 1669 160 | 1846 180 | 2029 200 | 2215 220 | 2406 240 | 2557 260 | 2690 280 |
| 2,40            |        |                           |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 14       | 14       | 14       | 14 25    |
| 2,60            |        | 893 80                    | 1037 100 | 1183 120 | 1333 140 | 1487 160 | 1644 180 | 1804 200 | 1968 220 | 2136 240 | 2266 260 | 2381 280 |
| 2,80            |        |                           |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 14       | 14       | 14       | 14 25    |
| 3,00            |        | 787 80                    | 913 100  | 1065 120 | 1200 140 | 1336 160 | 1477 180 | 1620 200 | 1765 220 | 1913 240 | 2029 260 | 2129 280 |
| 3,20            |        |                           |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 16       | 16       | 16       | 8 10     |
| 3,40            |        | 731 160                   | 847 200  | 966 240  | 1088 280 | 1211 320 | 1336 360 | 1465 400 | 1595 440 | 1729 480 | 1831 520 | 1918 560 |
| 3,60            |        |                           |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 16       | 16       | 16       | 16 25    |
| 3,80            |        | 640 160                   | 773 200  | 881 240  | 991 280  | 1103 320 | 1217 360 | 1333 400 | 1452 440 | 1571 480 | 1663 520 | 1741 560 |
| 4,00            |        |                           |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 16       | 16       | 16       | 8 12     |
|                 |        | 496 160                   | 680 200  | 807 240  | 908 280  | 1010 320 | 1114 360 | 1220 400 | 1327 440 | 1436 480 | 1519 520 |          |
|                 |        |                           |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 16       | 16       | 16       | 16 32    |
|                 |        |                           | 534 200  | 717 240  | 836 280  | 930 320  | 1024 360 | 1121 400 | 1219 440 |          |          |          |
|                 |        |                           | 10       | 10       | 10 12    | 10 12    | 10 12    | 10 12    | 16       |          |          |          |
|                 |        | 410 200                   | 558 240  | 736 280  | 826 320  | 911 360  |          |          |          |          |          |          |
|                 |        |                           | 10       | 10 12    | 10 12    |          |          |          |          |          |          |          |
|                 |        |                           |          | 423 240  | 567 280  | 716 320  |          |          |          |          |          |          |
|                 |        |                           | 10       | 10       | 10 12    |          |          |          |          |          |          |          |
|                 |        |                           |          |          | 433 280  |          |          |          |          |          |          |          |
|                 |        |                           |          |          | 10       |          |          |          |          |          |          |          |

|                 |        | Espesor Thickness 0,75 mm |          |          |          |          |          |          |          |          |          |          |
|-----------------|--------|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Luz<br>Span (m) | H (cm) | 10                        | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |
|                 |        | 1114 221                  | 1264 218 | 1417 217 | 1574 216 | 1734 320 | 1897 360 | 2007 400 | 2115 440 | 1887 480 | 2043 520 | 2203 560 |
| 2,00            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,20            |        | 989 246                   | 1120 242 | 1254 240 | 1391 280 | 1531 320 | 1674 360 | 1768 400 | 1859 440 | 1651 480 | 1786 520 | 1924 560 |
| 2,40            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,60            |        | 885 272                   | 1002 266 | 1121 263 | 1243 280 | 1366 320 | 1491 360 | 1574 400 | 1652 440 | 1460 480 | 1578 520 | 1698 560 |
| 2,80            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,00            |        | 799 300                   | 904 292  | 1010 287 | 1118 284 | 1228 320 | 1340 360 | 1413 400 | 1481 440 | 1303 480 | 1408 520 | 1514 560 |
| 3,20            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,40            |        | 726 330                   | 821 319  | 916 312  | 1014 308 | 1113 320 | 1214 360 | 1277 400 | 1338 440 | 1171 480 | 1264 520 | 1359 560 |
| 3,60            |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |
| 3,80            |        | 664 362                   | 749 348  | 836 339  | 925 333  | 1014 329 | 1105 360 | 1162 400 | 1216 440 | 1058 480 | 1143 520 | 1227 560 |
| 4,00            |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |
|                 |        | 610 397                   | 687 378  | 767 366  | 847 358  | 929 353  | 1011 360 | 1062 400 | 1110 440 | 962 480  | 1038 520 | 1115 560 |
|                 |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |
|                 |        | 562 437                   | 633 410  | 705 395  | 780 385  | 854 379  | 930 374  | 976 400  | 1018 440 | 878 480  |          |          |
|                 |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |          |          |
|                 |        |                           | 581 442  | 652 426  | 720 414  | 789 405  | 858 399  | 899 400  |          |          |          |          |
|                 |        |                           | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      |          |          |          |          |
|                 |        |                           |          | 504 442  | 584 442  | 666 442  | 730 433  | 794 425  |          |          |          |          |
|                 |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      |          |          |          |          |
|                 |        |                           |          |          | 508 442  | 579 442  |          |          |          |          |          |          |
|                 |        |                           |          | 6        | 6        |          |          |          |          |          |          |          |

|                 |        | Espesor Thickness 0,75 mm |          |          |          |          |          |          |          |          |          |          |
|-----------------|--------|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Luz<br>Span (m) | H (cm) | 10                        | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |
|                 |        | 1157 176                  | 1313 175 | 1473 175 | 1636 175 | 1803 175 | 1975 180 | 2090 400 | 2203 440 | 1968 480 | 2132 520 | 2300 560 |
| 2,00            |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,20            |        | 1027 195                  | 1164 193 | 1304 192 | 1446 192 | 1592 320 | 1741 360 | 1841 400 | 1937 440 | 1723 480 | 1863 520 | 2008 560 |
| 2,40            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,60            |        | 919 215                   | 1042 212 | 1166 240 | 1293 280 | 1421 320 | 1553 360 | 1638 400 | 1722 440 | 1524 480 | 1647 520 | 1774 560 |
| 2,80            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,00            |        | 831 235                   | 940 231  | 1051 240 | 1164 280 | 1279 320 | 1396 360 | 1472 400 | 1544 440 | 1361 480 | 1470 520 | 1581 560 |
| 3,20            |        |                           |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,40            |        | 755 256                   | 853 251  | 954 248  | 1055 280 | 1159 320 | 1264 360 | 1331 400 | 1395 440 | 1223 480 | 1321 520 | 1420 560 |
| 3,60            |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,80            |        | 690 278                   | 780 271  | 871 267  | 963 280  | 1057 320 | 1152 360 | 1211 400 | 1268 440 | 1107 480 | 1195 520 | 1283 560 |
| 4,00            |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |
|                 |        | 634 301                   | 716 293  | 798 287  | 883 283  | 968 320  | 1055 360 | 1108 400 | 1159 440 | 1006 480 | 1086 520 | 1166 560 |
|                 |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |
|                 |        | 585 326                   | 660 315  | 736 308  | 812 303  | 891 320  | 970 360  | 1018 400 | 1063 440 | 918 480  |          |          |
|                 |        |                           |          | 6        | 6        | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |          |          |
|                 |        |                           |          |          | 611 338  | 680 329  | 751 324  | 823 320  | 896 360  | 939 400  |          |          |
|                 |        |                           |          | 8        | 6        | 6 10     | 6 8      | 6 8      | 6 8      |          |          |          |
|                 |        |                           |          |          |          | 567 362  | 631 352  | 696 345  | 762 340  | 830 360  |          |          |
|                 |        |                           |          |          |          | 8        | 6 10     | 6 8      |          |          |          |          |
|                 |        |                           |          |          |          |          | 587 375  | 647 366  |          |          |          |          |
|                 |        |                           |          |          |          | 8        |          |          |          |          |          |          |



TABLAS DE CARGA LOAD TABLES daN/m²

| Espesor Thickness 1,00 mm |                                                                                   |          |          |          |          |          |          |          |          |          |          |  |
|---------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| H (cm)                    |  |          |          |          |          |          |          |          |          |          |          |  |
| Luz<br>Span (m)           | 10                                                                                | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |  |
| 2,00                      | 1124 80                                                                           | 1309 100 | 1497 120 | 1691 140 | 1890 160 | 2094 180 | 2304 200 | 2519 220 | 2739 240 | 2966 260 | 3200 280 |  |
|                           |                                                                                   |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     |  |
| 2,20                      | 996 80                                                                            | 1157 100 | 1323 120 | 1492 140 | 1666 160 | 1844 180 | 2026 200 | 2212 220 | 2403 240 | 2598 260 | 2799 280 |  |
|                           |                                                                                   |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     |  |
| 2,40                      | 890 80                                                                            | 1034 100 | 1180 120 | 1331 140 | 1484 160 | 1641 180 | 1801 200 | 1965 440 | 2133 480 | 2304 520 | 2479 560 |  |
|                           |                                                                                   |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     |  |
| 2,60                      | 802 80                                                                            | 931 100  | 1044 120 | 1197 280 | 1334 320 | 1474 360 | 1617 400 | 1763 440 | 1911 480 | 2062 520 | 2217 560 |  |
|                           |                                                                                   |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     |  |
| 2,80                      | 707 80                                                                            | 844 200  | 963 240  | 1085 280 | 1208 320 | 1333 360 | 1462 400 | 1592 440 | 1726 480 | 1861 520 | 2000 560 |  |
|                           |                                                                                   |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     |  |
| 3,00                      | 665 160                                                                           | 771 200  | 879 240  | 989 280  | 1100 320 | 1214 360 | 1330 400 | 1449 440 | 1569 480 | 1691 520 | 1816 560 |  |
|                           |                                                                                   |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     |  |
| 3,40                      |                                                                                   | 614 200  | 741 240  | 833 280  | 927 320  | 1021 360 | 1118 400 | 1217 440 | 1317 480 | 1418 520 | 1521 560 |  |
|                           |                                                                                   |          | 10       | 10       | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    |  |
| 3,80                      |                                                                                   |          | 492 240  | 654 280  | 793 320  | 874 360  | 955 400  | 1039 440 | 1123 480 | 1209 520 | 1297 560 |  |
|                           |                                                                                   |          | 10       | 10       | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    |  |
| 4,20                      |                                                                                   |          |          | 388 280  | 517 320  | 668 360  | 827 400  | 988 440  | 1149 480 | 1310 520 | 1471 560 |  |
|                           |                                                                                   |          |          | 10       | 10 12    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    |  |
| 4,60                      |                                                                                   |          |          |          | 303 320  | 407 360  | 529 400  | 670 440  | 831 480  |          |          |  |
|                           |                                                                                   |          |          |          | 10 12    | 10 14    | 10 14    | 10 14    | 10 14    |          |          |  |
| 5,00                      |                                                                                   |          |          |          |          |          | 20       | 20       | 20       |          |          |  |
|                           |                                                                                   |          |          |          |          |          |          |          |          |          |          |  |

| Espesor Thickness 1,20 mm                                                           |          |          |          |          |          |          |          |          |          |          |       |    |
|-------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|----|
|  |          |          |          |          |          |          |          |          |          |          |       |    |
| 10                                                                                  | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |       |    |
| 1122 80                                                                             | 1307 100 | 1495 120 | 1689 140 | 1888 160 | 2092 180 | 2302 200 | 2517 220 | 2737 240 | 2964 260 | 3198 280 |       |    |
|                                                                                     |          | 8        |          | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10  |    |
|                                                                                     |          |          |          |          |          | 14       | 14       | 14       | 14       | 14       | 14    | 25 |
| 993 80                                                                              | 1155 100 | 1321 120 | 1490 140 | 1664 160 | 1841 180 | 2023 200 | 2210 220 | 2401 240 | 2596 260 | 2797 280 |       |    |
|                                                                                     |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10  |    |
|                                                                                     |          |          |          |          |          | 14       | 14       | 14       | 14       | 14       | 14    | 25 |
| 888 80                                                                              | 1032 100 | 1178 120 | 1329 140 | 1482 160 | 1639 180 | 1799 200 | 1963 220 | 2130 240 | 2302 260 | 2477 280 |       |    |
|                                                                                     |          | 8        |          | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10  |    |
|                                                                                     |          |          |          |          |          | 14       | 14       | 14       | 14       | 14       | 14    | 25 |
| 800 80                                                                              | 929 100  | 1061 120 | 1195 140 | 1332 160 | 1472 180 | 1615 200 | 1760 220 | 1909 240 | 2060 520 | 2215 560 |       |    |
|                                                                                     |          | 8        | 8        | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10     | 8 10  |    |
|                                                                                     |          |          |          |          |          | 16       | 16       | 16       | 16       | 16       | 16    | 25 |
| 726 80                                                                              | 842 100  | 942 120  | 1061 140 | 1206 320 | 1331 360 | 1460 400 | 1590 440 | 1724 480 | 1859 520 | 1998 560 |       |    |
|                                                                                     |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12  |    |
|                                                                                     |          |          |          |          |          | 16       | 16       | 16       | 16       | 16       | 16    | 25 |
| 642 80                                                                              | 746 100  | 877 240  | 987 280  | 1098 320 | 1212 360 | 1328 400 | 1446 440 | 1567 480 | 1689 520 | 1813 560 |       |    |
|                                                                                     |          | 8        | 8        | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12     | 8 12  |    |
|                                                                                     |          |          |          |          |          | 16       | 16       | 16       | 16       | 16       | 16    | 25 |
|                                                                                     | 648 200  | 739 240  | 831 280  | 925 320  | 1019 360 | 1116 400 | 1215 440 | 1315 480 | 1416 520 | 1519 560 |       |    |
|                                                                                     |          | 10       | 10       | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12 |    |
|                                                                                     |          |          |          |          |          | 16       | 16       | 16       | 16       | 16       | 16    | 25 |
|                                                                                     |          | 543 240  | 711 280  | 790 320  | 872 360  | 953 400  | 1037 440 | 1121 480 | 1207 520 | 1295 560 |       |    |
|                                                                                     |          | 10       | 10       | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12    | 10 12 |    |
|                                                                                     |          |          |          |          |          | 20       | 20       | 20       | 20       | 20       | 20    | 32 |
|                                                                                     |          |          | 433 280  | 572 320  | 735 360  | 825 400  | 896 440  | 968 480  | 1042 520 | 1117 560 |       |    |
|                                                                                     |          |          | 10       | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14 |    |
|                                                                                     |          |          |          |          |          |          |          | 20       | 20       | 20       | 20    | 32 |
|                                                                                     |          |          |          | 343 320  | 456 360  | 587 400  | 739 440  | 845 480  | 908 520  | 974 560  |       |    |
|                                                                                     |          |          |          | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14 |    |
|                                                                                     |          |          |          |          |          | 20       | 20       | 20       | 20       | 20       | 20    | 32 |
|                                                                                     |          |          |          |          |          | 360 400  | 467 440  | 591 480  | 732 520  | 854 560  |       |    |
|                                                                                     |          |          |          |          |          | 10 14    | 10 14    | 10 14    | 10 14    | 10 14    | 10 14 |    |
|                                                                                     |          |          |          |          |          | 20       | 20       | 20       | 20       | 20       | 20    |    |

|                 |        | Espesor Thickness 1,00 mm                    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------------|--------|----------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Luz<br>Span (m) | H (cm) | <div><div></div><div></div><div></div></div> |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|                 |        | 10                                           | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |          |          |          |          |          |          |          |          |          |          |
| 2,00            |        | 1111 221                                     | 1261 218 | 1415 217 | 1571 216 | 1731 216 | 1895 217 | 2062 217 | 2233 220 | 2408 240 | 2538 260 | 2650 280 |          |          |          |          |          |          |          |          |          |          |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,20            |        | 986 246                                      | 1117 242 | 1252 239 | 1388 238 | 1528 237 | 1671 237 | 1817 238 | 1965 238 | 2116 240 | 2228 260 | 1921 560 |          |          |          |          |          |          |          |          |          |          |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,40            |        | 883 272                                      | 999 266  | 1118 263 | 1240 261 | 1363 259 | 1489 259 | 1617 258 | 1748 259 | 1881 260 | 1998 260 | 2116 260 | 1998 560 |          |          |          |          |          |          |          |          |          |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,60            |        | 796 300                                      | 901 292  | 1007 287 | 1116 284 | 1226 282 | 1338 280 | 1453 280 | 1560 280 | 1669 280 | 1779 280 | 1889 280 | 1998 280 | 1998 560 |          |          |          |          |          |          |          |          |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 2,80            |        | 724 330                                      | 818 319  | 913 312  | 1011 308 | 1110 306 | 1211 306 | 1314 306 | 1410 306 | 1508 306 | 1606 306 | 1704 306 | 1802 306 | 1802 560 |          |          |          |          |          |          |          |          |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,00            |        | 661 362                                      | 746 348  | 834 339  | 922 333  | 1011 329 | 1103 326 | 1196 320 | 1281 340 | 1366 360 | 1451 380 | 1536 400 | 1621 420 | 1706 440 | 1791 460 | 1876 480 | 1961 500 | 2046 520 | 2131 540 | 2216 560 | 2301 580 | 2386 600 |
|                 |        |                                              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 3,40            |        | 559 437                                      | 631 410  | 703 395  | 777 385  | 851 379  | 928 374  | 1004 400 | 1075 440 | 1146 480 | 1217 520 | 1288 560 | 1359 600 | 1430 640 | 1501 680 | 1572 720 | 1643 760 | 1714 800 | 1785 840 | 1856 880 | 1927 920 | 1998 960 |
|                 |        |                                              |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 3,80            |        |                                              | 501 442  | 582 442  | 663 442  | 728 433  | 792 425  | 856 419  | 916 440  | 976 480  | 1036 520 | 1096 560 | 1156 600 | 1216 640 | 1276 680 | 1336 720 | 1396 760 | 1456 800 | 1516 840 | 1576 880 | 1636 920 | 1696 960 |
|                 |        |                                              |          |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 4,20            |        |                                              |          | 439 442  | 502 442  | 564 442  | 626 442  | 688 442  | 750 442  | 812 442  | 874 442  | 936 442  | 998 442  | 1060 442 | 1122 442 | 1184 442 | 1246 442 | 1308 442 | 1370 442 | 1432 442 | 1494 442 | 1556 442 |
|                 |        |                                              |          |          | 6        | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 4,60            |        |                                              |          |          | 380 442  | 428 442  | 476 442  | 524 442  | 572 442  | 620 442  | 668 442  | 716 442  | 764 442  | 812 442  | 860 442  | 908 442  | 956 442  | 1004 442 | 1052 442 | 1100 442 | 1148 442 | 1196 442 |
|                 |        |                                              |          |          |          | 6        | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      | 6 6      |
| 5,00            |        |                                              |          |          |          | 324 442  | 361 442  | 399 442  | 437 442  | 475 442  | 513 442  | 551 442  | 589 442  | 627 442  | 665 442  | 703 442  | 741 442  | 779 442  | 817 442  | 855 442  | 893 442  | 931 442  |
|                 |        |                                              |          |          |          |          | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      | 6 8      |

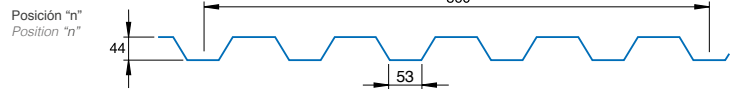
## EUROMODUL 44 EP

Perfil / Profile 5.172.44



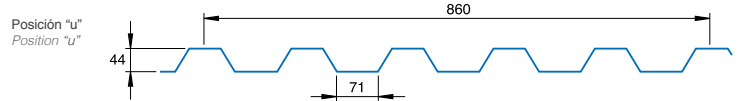
Espesor Thickness (mm)

|                                          | 0,75   | 1,00   | 1,20   |
|------------------------------------------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )         | 7,67   | 10,22  | 12,27  |
| I <sub>y</sub> (cm <sup>4</sup> /ml)     | 31,161 | 42,133 | 50,911 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) "n" | 12,908 | 17,363 | 20,894 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) "u" | 15,120 | 20,321 | 24,436 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) "n" | 15,120 | 20,321 | 24,436 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) "u" | 12,908 | 17,363 | 20,894 |



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF NON-COMPOSITE SLAB (KG/M<sup>2</sup>)

| Espesor sección comprimida<br>Thickness compressed section (cm) |                                    | 4    | 5   | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                |                                    | 8,4  | 9,4 | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,4 | 18,4 | 19,4 | 20,4 | 21,4 | 22,4 | 23,4 |
| Volumen Volume (dm <sup>3</sup> /m <sup>2</sup> )               |                                    | 60   | 70  | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | 200  | 210  |
| Peso Weight (Kg/m <sup>2</sup> )                                | Esp. de chapa Thickness sheet (mm) | 0,75 | 157 | 182  | 207  | 232  | 257  | 282  | 307  | 332  | 357  | 382  | 407  | 432  | 457  | 482  | 507  |
|                                                                 | 1,00                               | 159  | 184 | 209  | 234  | 259  | 284  | 309  | 334  | 359  | 384  | 409  | 434  | 459  | 484  | 509  | 534  |
|                                                                 | 1,20                               | 162  | 187 | 212  | 237  | 262  | 287  | 312  | 337  | 362  | 387  | 412  | 437  | 462  | 487  | 512  | 537  |



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF NON-COMPOSITE SLAB (KG/M<sup>2</sup>)

| Espesor sección comprimida<br>Thickness compressed section (cm) |                                    | 4    | 5   | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                |                                    | 8,4  | 9,4 | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,4 | 18,4 | 19,4 | 20,4 | 21,4 | 22,4 | 23,4 |
| Volumen Volume (dm <sup>3</sup> /m <sup>2</sup> )               |                                    | 64   | 74  | 84   | 94   | 104  | 114  | 124  | 134  | 144  | 154  | 164  | 174  | 184  | 194  | 204  | 214  |
| Peso Weight (Kg/m <sup>2</sup> )                                | Esp. de chapa Thickness sheet (mm) | 0,75 | 168 | 193  | 218  | 243  | 268  | 293  | 318  | 343  | 368  | 393  | 418  | 443  | 468  | 493  | 518  |
|                                                                 | 1,00                               | 171  | 196 | 221  | 246  | 271  | 296  | 321  | 346  | 371  | 396  | 421  | 446  | 471  | 496  | 521  | 546  |
|                                                                 | 1,20                               | 173  | 198 | 223  | 248  | 273  | 298  | 323  | 348  | 373  | 398  | 423  | 448  | 473  | 498  | 523  | 548  |



### Aplicaciones Scope

Chapa metálica de acero autoportante destinada para  
Metal profile for support permanent formwork.

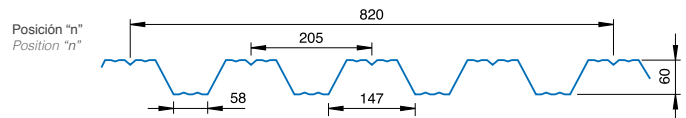
## EUROCOL 60 EP

Perfil / Profile 4.205.60



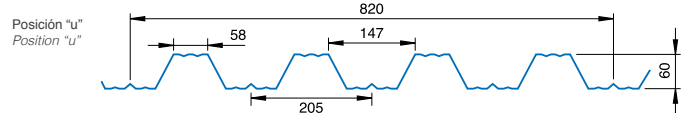
Espesor Thickness (mm)

|                                          | 0,75   | 1,00   | 1,20   |
|------------------------------------------|--------|--------|--------|
| Peso Weight (kg/m <sup>2</sup> )         | 8,97   | 11,97  | 14,36  |
| I <sub>y</sub> (cm <sup>4</sup> /ml)     | 55,500 | 75,042 | 90,675 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) "n" | 16,995 | 22,892 | 27,577 |
| W <sub>y</sub> (cm <sup>3</sup> /ml) "u" | 20,484 | 27,570 | 33,192 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) "n" | 20,484 | 27,570 | 33,192 |
| W <sub>z</sub> (cm <sup>3</sup> /ml) "u" | 16,995 | 22,892 | 27,577 |



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF NON-COMPOSITE SLAB (KG/M<sup>2</sup>)

| Espesor sección comprimida<br>Thickness compressed section (cm) |                                    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                |                                    | 9,9  | 10,9 | 11,9 | 12,9 | 13,9 | 14,9 | 15,9 | 16,9 | 17,9 | 18,9 | 19,4 | 20,9 | 21,9 | 22,9 | 23,9 | 24,9 |
| Volumen Volume (dm <sup>3</sup> /m <sup>2</sup> )               |                                    | 66   | 76   | 86   | 96   | 106  | 116  | 126  | 136  | 146  | 156  | 166  | 176  | 186  | 196  | 206  | 216  |
| Peso Weight (Kg/m <sup>2</sup> )                                | Esp. de chapa Thickness sheet (mm) | 0,75 | 172  | 197  | 222  | 247  | 272  | 297  | 322  | 347  | 372  | 397  | 422  | 447  | 472  | 497  | 522  |
|                                                                 | 1,00                               | 175  | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375  | 400  | 425  | 450  | 475  | 500  | 525  | 550  |
|                                                                 | 1,20                               | 177  | 202  | 227  | 252  | 277  | 302  | 327  | 352  | 377  | 402  | 427  | 452  | 477  | 502  | 527  | 552  |



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF NON-COMPOSITE SLAB (KG/M<sup>2</sup>)

| Espesor sección comprimida<br>Thickness compressed section (cm) |                                    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                |                                    | 9,9  | 10,9 | 11,9 | 12,9 | 13,9 | 14,9 | 15,9 | 16,9 | 17,9 | 18,9 | 19,4 | 20,9 | 21,9 | 22,9 | 23,9 | 24,9 |
| Volumen Volume (dm <sup>3</sup> /m <sup>2</sup> )               |                                    | 73   | 83   | 93   | 103  | 113  | 123  | 133  | 143  | 153  | 163  | 173  | 183  | 193  | 203  | 213  | 223  |
| Peso Weight (Kg/m <sup>2</sup> )                                | Esp. de chapa Thickness sheet (mm) | 0,75 | 191  | 216  | 241  | 266  | 291  | 316  | 341  | 366  | 391  | 416  | 441  | 466  | 491  | 516  | 541  |
|                                                                 | 1,00                               | 194  | 219  | 244  | 269  | 294  | 319  | 344  | 369  | 394  | 419  | 444  | 469  | 494  | 519  | 544  | 569  |
|                                                                 | 1,20                               | 196  | 221  | 246  | 271  | 296  | 321  | 346  | 371  | 396  | 421  | 446  | 471  | 496  | 521  | 546  | 571  |

\*El modelo HAIRCOL 59 ofrece una respuesta homóloga al perfil EUROCOL 60.  
\*HAIRCOL59 profile offers a equivalent response to EUROCOL 60 profile



Para mayor información, consultar el "Catálogo de perfiles para Encofrado Perdido" de Europerfil. For more information, consult the "Europerfil Permanent Formwork Catalogue".  
Las tablas de sobrecargas pertenecen a cálculos y ensayos realizados de los perfiles de Europerfil en chapa de acero.  
The overload tables belong to calculations and tests carried out on profiles of Europerfil in sheet steel.

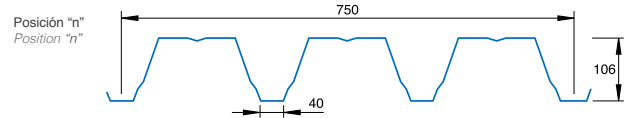
## EUROBASE 106 EP

Perfil / Profile 3.250.106



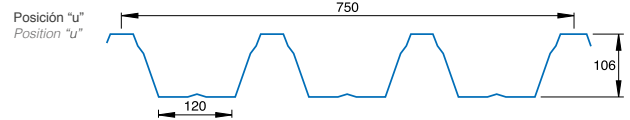
Espesor Thickness (mm)

|                             | 0,75    | 1,00    | 1,20    |
|-----------------------------|---------|---------|---------|
| Peso Weight (kg/m²)         | 9,81    | 13,08   | 15,70   |
| I <sub>y</sub> (cm⁴/ml)     | 179,580 | 242,813 | 293,399 |
| W <sub>y</sub> (cm³/ml) "n" | 27,458  | 37,055  | 44,707  |
| W <sub>y</sub> (cm³/ml) "u" | 43,432  | 58,548  | 70,575  |
| W <sub>z</sub> (cm³/ml) "n" | 43,432  | 58,548  | 70,575  |
| W <sub>z</sub> (cm³/ml) "u" | 27,458  | 37,055  | 44,707  |



VOLUMEN Y PESO PROPIO DE LA LOSA VOLUME AND WEIGHT OF NON-COMPOSITE SLAB (KG/M²)

| Espesor sección comprimida<br>Thickness compressed section (cm) | 4                                  | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                | 14,6                               | 15,6 | 16,6 | 17,6 | 18,6 | 19,6 | 20,6 | 21,6 | 22,6 | 23,6 | 24,6 | 25,6 | 26,6 | 27,6 | 28,6 | 29,6 |
| Volumen Volume (dm³/m²)                                         | 74                                 | 84   | 94   | 104  | 114  | 124  | 134  | 144  | 154  | 164  | 174  | 184  | 194  | 200  | 214  | 224  |
| Peso Weight (Kg/m²)                                             | Esp. de chapa Thickness sheet (mm) | 0,75 | 194  | 219  | 244  | 269  | 294  | 319  | 344  | 369  | 394  | 419  | 444  | 469  | 494  | 519  |
|                                                                 | 1,00                               | 197  | 222  | 247  | 272  | 297  | 322  | 347  | 372  | 397  | 422  | 447  | 472  | 497  | 522  | 547  |
|                                                                 | 1,20                               | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375  | 400  | 425  | 450  | 475  | 500  | 525  | 550  |



106U PESO PROPIO DEL PERFIL + HORMIGÓN KG./M² 106U WEIGHT OWN OF THE PROFILE + CONCRETE KG./M²

| Espesor sección comprimida<br>Thickness compressed section (cm) | 4                                  | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|-----------------------------------------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Espesor losa Thickness slab (cm)                                | 14,6                               | 15,6 | 16,6 | 17,6 | 18,6 | 19,6 | 20,6 | 21,6 | 22,6 | 23,6 | 24,6 | 25,6 | 26,6 | 27,6 | 28,6 | 29,6 |
| Volumen Volume (dm³/m²)                                         | 112                                | 122  | 132  | 142  | 152  | 162  | 172  | 182  | 192  | 202  | 212  | 222  | 232  | 242  | 252  | 262  |
| Peso Weight (Kg/m²)                                             | Esp. de chapa Thickness sheet (mm) | 0,75 | 290  | 315  | 340  | 365  | 390  | 415  | 440  | 465  | 490  | 515  | 540  | 565  | 590  | 615  |
|                                                                 | 1,00                               | 293  | 318  | 343  | 368  | 393  | 418  | 443  | 468  | 493  | 518  | 543  | 568  | 593  | 618  | 643  |
|                                                                 | 1,20                               | 295  | 320  | 345  | 370  | 395  | 420  | 445  | 470  | 495  | 520  | 545  | 570  | 595  | 620  | 645  |



encofrado perdido.

TABLA DE CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS TABLE

PERFILES DE FORJADO Y ENCOFRADO COMPOSITE FLOOR AND PERMANENT FORMWORK PROFILES

|                 | Film plástico<br>Plastic film | Longitud máx. de perfilado<br>Max. profiling length (mm) | Longitud mín. de perfilado<br>Min. profiling length (mm) | Longitud mín. de corte<br>Min. cutting length (mm) | Junta estanca<br>Filler block |
|-----------------|-------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|-------------------------------|
| HAIRCOL 59 FC   | (P, CM)                       | 16.990                                                   | 1.800                                                    | 100                                                | SÍ YES                        |
| EUROCOL 60 FC   | (P, CM)                       | 16.990                                                   | 1.800                                                    | 100                                                | SÍ YES                        |
| KORONA 60 FC    | (P, CM)                       | 16.990                                                   | 1.800                                                    | 100                                                | SÍ YES                        |
| EUROMODUL 44 EP | (P, CM)                       | 14.000                                                   | 1.800                                                    | 100                                                | SÍ YES                        |
| EUROCOL 60 EP   | (P, CM)                       | 16.990                                                   | 1.800                                                    | 100                                                | SÍ YES                        |
| EUROBASE 106 EP |                               | 16.990                                                   | 1.800                                                    | 1.200                                              | SÍ YES                        |

(P): Prelacados Coated  
(CM): Colores metalizados Metallic colours



## Libertad de creación

Además de las múltiples posibilidades que permiten nuevas soluciones de cerramientos, le ofrecemos propuestas que permiten crear infinidad de elementos arquitectónicos mediante el curvado del propio perfil o su perforación.

## Liberty to create

In addition to the multiple possibilities that allow new cladding solutions, we offer proposals that allow you to create an infinite number of architectural elements by curving or perforating the profile.



EUROMODUL 44 curvado *curved*  
Viviendas VPO Lezkairu,  
Pamplona (Navarra, España)  
*Social housing in Lezkairu,  
Pamplona (Navarra, Spain)*





EUROBAC 80 Perforado Perforated  
Centro Comercial Torrecárdenas (Almería, España)  
*Torrecárdenas Comercial Hub (Almería, Spain)*



MINIONDA + ATENEA  
Estadio Gimnàstic de Tarragona (Tarragona, España)  
*Gimnàstic de Tarragona Stadium (Tarragona, Spain)*



MINIONDA + EUROMODUL 44  
Museo de la Vida, La Muela (Zaragoza, España)  
*Museum of the Life, La Muela (Zaragoza, Spain)*



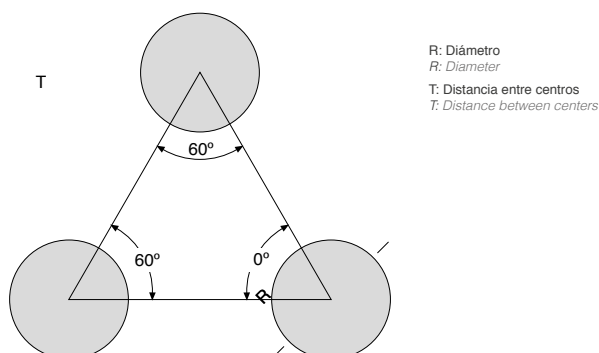
Europerfil ofrece la posibilidad de perforar los perfiles para su uso como con el objetivo de conseguir elementos complementarios al cerramiento tradicional en soluciones de iluminación, ventilación y aislamiento acústico.

*Europerfil offers the possibility to perforate the profiles in order to be used as complementary elements to traditional cladding in lighting, ventilation and sound insulation.*

## PERFORADO REDONDO A TRESBOLILLO PERFORATED ROUND TRESBOLILLO

Aplicación: Ventilación, Aislamiento acústico, Solución Iluminación (tamices). *Application: ventilation, acoustic insulation, lighting solution (sieves).*

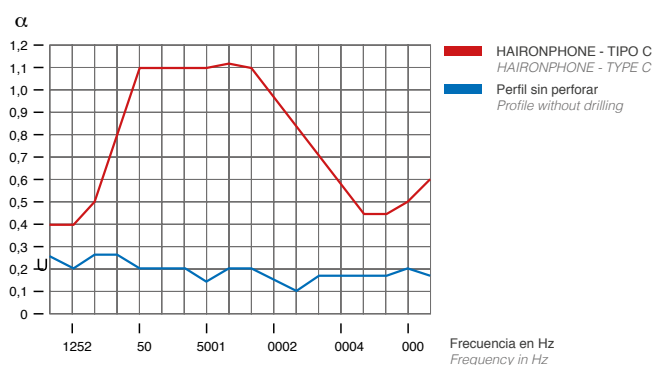
**Tipología de perforación** *Perforation typology:*



## PERFORADO HAIRONPHONE TIPO C PERFORATED HAIRONPHONE TYPE C

Aplicación: Aislamiento acústico. *Application: acoustic insulation.*

**Coefficiente de absorción acústica**  
*Coefficient of acoustic absorption:*



### RELACIÓN DE PERFILES PERFORADOS POR TIPOLOGÍA PERFORATED PROFILE RELATIONSHIP BY TYPE

| Tipología de perforado<br><i>Perforation typology</i>                                                                      | Perfiles<br><i>Profiles</i>                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Perforado Haironphone en valle<br><i>Haironphone perforated on valley</i>                                                  | Euroform 34, Eurobase 40, Eurobase 48, Eurobase 56, Eurobase 67                                                                                                                                                                                                     |
| Perforado Redondo al tresbolillo en todo ancho<br><i>Round hole perforation with a triangular pitch fully</i>              | Eurocover 34N, Eurocover 40N, Eurobase 40, Eurobase 48, Eurobase 56, Eurobase 67, Eurobase 106, Euroline 12, Euroform 23, Euroform 34, Creta, Minionda, Euroform 44, Atenea, Egeo, Keops, Euroline (100, 150, 200, 250, 300, N-300), Medea, Eurobac 80, Eurobac 150 |
| Perforado Redondo al tresbolillo en valle<br><i>Round hole perforation with a triangular pitch on valley</i>               | Eurocover 34N, Eurocover 40N, Eurobase 40, Eurobase 48, Eurobase 56, Eurobase 67, Eurobase 106, Euroform 23, Euroform 34, Eurobac 80, Eurobac 150, Euroline 300, Euroline-N300, Atenea, Eurodesign 345, Eurodesign 470, Medea                                       |
| Perforación zona grecada (ancho útil)<br><i>Corrugated area perforation (useful width)</i>                                 | Giza<br>Kefren                                                                                                                                                                                                                                                      |
| Perforado Redondo al tresbolillo en el lateral del nervio<br><i>Round hole perforation with a triangular pitch on webs</i> | Atenea, Eurobase 48", Eurobase 56, Eurobase 67, Eurobase 106                                                                                                                                                                                                        |

(\*) Perforación en nervio completo (\*) Complete rib perforated  
 Rogamos consultar a nuestro Departamento Técnico de Europerfil, SA el coeficiente de perforación disponible en cada caso, y otras opciones de perforado. *Please ask our Technical Department the available perforation coefficient for each case, and other perforation options.*





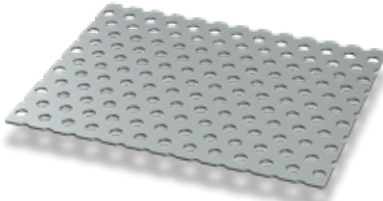
**HAIRONPHONE TIPO C**  
ZONA PERFORADA: 15,00%  
PERFORATED AREA: 15,00%



**R3T8,66**  
ZONA PERFORADA: 10,88%  
PERFORATED AREA: 10,88%



**R5T12,2**  
ZONA PERFORADA: 15,23%  
PERFORATED AREA: 15,23%



**R2T4**  
ZONA PERFORADA: 22,67%  
PERFORATED AREA: 22,67%



**R3T6**  
ZONA PERFORADA: 22,67%  
PERFORATED AREA: 22,67%



**R6T12**  
ZONA PERFORADA: 22,67%  
PERFORATED AREA: 22,67%



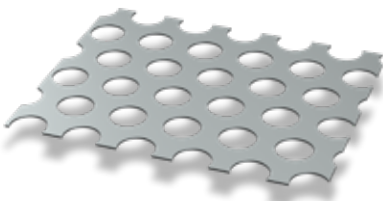
**R2T3,5**  
ZONA PERFORADA: 29,61%  
PERFORATED AREA: 29,61%



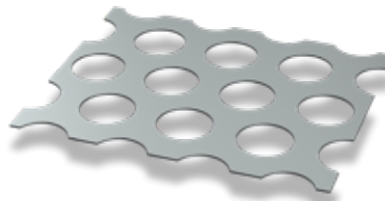
**R4T7**  
ZONA PERFORADA: 29,61%  
PERFORATED AREA: 29,61%



**R5T8**  
ZONA PERFORADA: 35,43%  
PERFORATED AREA: 35,43%



**R6T9**  
ZONA PERFORADA: 40,31%  
PERFORATED AREA: 40,31%



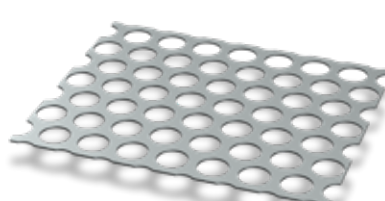
**R9T13**  
ZONA PERFORADA: 43,47%  
PERFORATED AREA: 43,47%



**R5T7**  
ZONA PERFORADA: 46,27%  
PERFORATED AREA: 46,27%



**R10T14**  
ZONA PERFORADA: 46,27%  
PERFORATED AREA: 46,27%

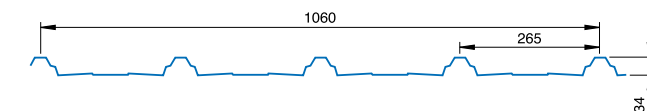


**R5T6,5**  
ZONA PERFORADA: 53,66%  
PERFORATED AREA: 53,66%

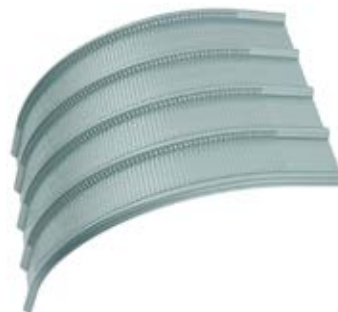
## EUROCOVER 34N

Perfil / Profile 4.265.34

Tipo 1 - Cóncavo  
Type 1 - Concave



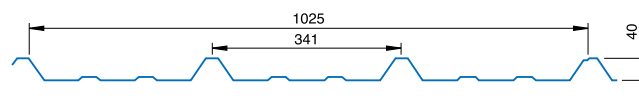
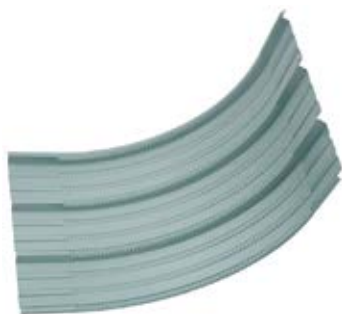
Tipo 2 - Convexo  
Type 2 - Convex



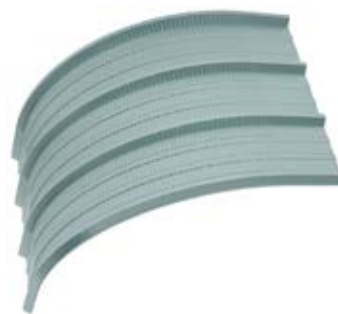
## EUROCOVER 40N

Perfil / Profile 3.341.40

Tipo 1 - Cóncavo  
Type 1 - Concave



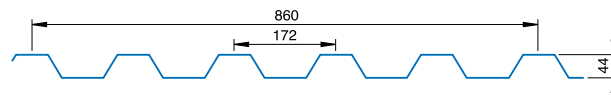
Tipo 2 - Convexo  
Type 2 - Convex



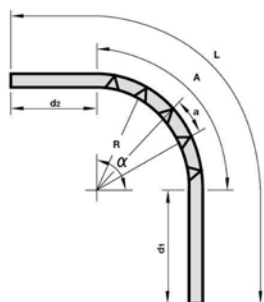
## EUROMODUL 44

Perfil / Profile 5.172.44

Tipo 1 - Cóncavo  
Type 1 - Concave



Tipo 2 - Convexo  
Type 2 - Convex



L: Longitud total entre / Total length between (mm): 600 - 10.000 mm.

A: Arco Arch (mm)

a: Paso de embutición en / Distance of crimp (mm)

R: Radio mínimo / minimum radius (mm):  $> 350 \leq 630$  mm

(Según el caso. Consulte nuestro Dpto. Técnico / depending on the case.

Ask to our Technical Dept.)

α: Ángulo del arco entre / Angle of the arch between (grados degrees):  $3^\circ - 180^\circ$

Ángulos Angles  $> 120^\circ$ , consultar ask us

d1: Longitud mínima / minimum length: 300 mm (mm)

d2: Longitud mínima / minimum length: 300 mm (mm)

n: Número de embuticiones / Number of embeddings

Espesor de la chapa entre / Thickness between: 0,6 y 1 mm

**NOTA:** la curva conseguida mediante el curvado por embutición será una poligonal.

**NOTE:** The curve obtained by means of the curved one for embutition will be the polygonal one.

**Sentido de curvatura:**

Se puede fabricar una curvatura convexa seguida de una curvatura cóncava en una sola chapa.

**Sense of curvature:**

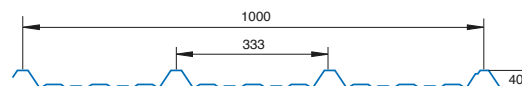
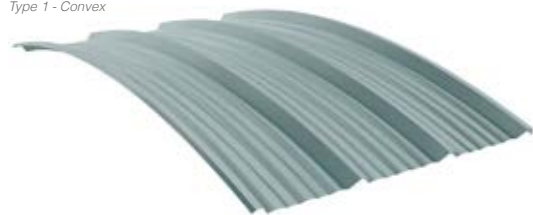
It is possible to make a convex curvature followed (consecutive) by a concave curvature of an alone sheet.



## EUROCOVER 40N Curvado Liso

Perfil / Profile 3.341.40

Tipo 1 - Convexo  
Type 1 - Convex



### CARACTERÍSTICAS GENERALES

#### GENERAL CHARACTERISTICS

Ancho útil curvado: 1.000 mm.  
Curved useful width: 1,000 mm.  
Ancho útil (sin curvar): 1.025 mm.  
Useful width (without bending): 1,025 mm.  
Espesor de la chapa máximo: entre 0,6 y 1 mm.  
Maximum sheet thickness: between 0.6 and 1 mm.  
Longitud máxima de las piezas: 10.000 mm.  
Maximum length of the pieces: 10,000 mm.  
Radio mínimo de curvatura: 6.000 mm.  
Minimum radius of curvature: 6,000 mm.  
Sentido de curvatura convexo.  
Direction of convex curvature

NOTA: no es posible solapar transversalmente perfil curvado liso y perfil sin curvar. No existe cumprera troquelada para el perfil curvado liso.  
NOTE: It is not possible to transversally overlap smooth curved profile and uncurved profile. There is no die-cut rim for the smooth curved profile.

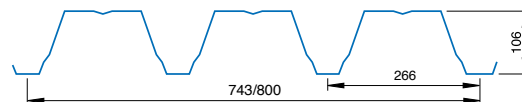
## EUROBASE 106

Perfil / Profile 3.250.106

Tipo 1 - Cóncavo  
Type 1 - Concave



Tipo 2 - Convexo  
Type 2 - Convex



### CARACTERÍSTICAS GENERALES

#### GENERAL CHARACTERISTICS

Ancho útil curvado cóncavo: 743 mm.  
Concave curved useful width: 743 mm.  
Ancho útil curvado convexo: 800 mm.  
Convex curved useful width: 800 mm.  
Ancho total (sin curvar): 750 mm.  
Useful width (without bending): 750 mm.  
Espesor de la chapa: entre 0,6 y 1 mm.  
Sheet thickness: between 0.6 and 1 mm.  
Longitud de las piezas: entre 2.000 y 10.000 mm.  
Length of the pieces: between 2,000 and 10,000 mm.  
Radio mínimo de curvatura: 40.000 mm.  
Minimum radius of curvature: 40,000 mm.  
Sentido de curvatura cóncavo/convexo.  
Concave/convex direction of curvature.

NOTA: se pueden curvar dos radios diferentes en una sola chapa, pero solo se pueden curvar en forma convexa. No se podrán realizar encabalgamientos (uniones longitudinales) entre un perfil curvado liso y el mismo sin curvar, a causa de la disminución del ancho útil que se produce al curvar.  
NOTE: They can curve two different radius in a alone sheet, but only in convex form. There will not be able to be realized longitudinal unions between a curved smooth profile and the same profile without curving, due to the decrease of useful width that it takes place (is produced) on having curved.

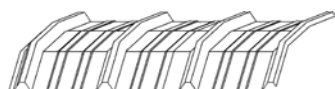
## Curvado “in situ”

Curved “in situ”

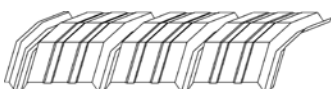
Radio mínimo de curvatura para perfiles de cubierta y fachada simple y sandwich Minimal radiuses of curvature for profiles of roof and façade, simple and sandwich

|                  | Espesor<br>Thickness (mm) | Eurocover<br>34N | Eurocover<br>40N | Eurobase<br>40 | Eurobase<br>48 | Eurobase<br>56 | Eurobase<br>67 | Eurobase<br>106 | Euroform<br>23 | Euroform<br>34 | Euromodul<br>44 | Minionda | Atenea | Egeo |
|------------------|---------------------------|------------------|------------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------|--------|------|
| Cubierta<br>Roof | 0,6                       | 20               | 34               | 29             | 32             | 33             | 50             | 98              | 15             | 19             | 60              | 12       | 49     | 60   |
|                  | 0,75                      | 21               | 35               | 30             | 33             | 34             | 48             | 100             | 16             | 20             | 51              | 9        | 47     | 50   |
|                  | 1                         | 23               | 36               | 31             | 33             | 35             | 45             | 102             | 17             | 21             | 46              | 8        | 45     | 50   |
| Fachada<br>Wall  | 0,6                       | 21               | 32               | 28             | 29             | 30             | 48             | 90              | 14             | 18             | 60              | 12       | 46     | 60   |
|                  | 0,75                      | 19               | 29               | 27             | 28             | 29             | 46             | 92              | 13             | 17             | 51              | 9        | 44     | 50   |
|                  | 1                         | 18               | 27               | 26             | 27             | 28             | 43             | 94              | 12             | 16             | 46              | 8        | 45     | 50   |

Cubierta  
Roof

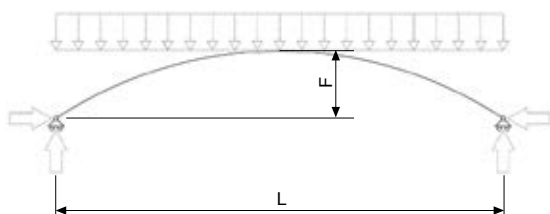


Fachada  
Wall



Valores de ensayo efectuados con longitudes de 6m. y perfiles chapa de límite elástico 320 N/m².  
Values of test effected with lengths of 6m. and profiles of sheet of elastic limit 320 N/m².





**CARGA UNIFORME** *UNIFORM LOAD*

| EUROCOVER 34N             |                                             |      |     |     |     |                                              |     |     |     |     |
|---------------------------|---------------------------------------------|------|-----|-----|-----|----------------------------------------------|-----|-----|-----|-----|
| Espesor Thickness 0,60 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 236                                         | 246  | 189 | 139 | 103 | 82                                           | 84  | 86  | 86  | 86  |
| 3,5                       | 153                                         | 174  | 149 | 116 | 90  | 69                                           | 72  | 73  | 73  | 72  |
| 4,0                       | 101                                         | 122  | 115 | 96  |     | 59                                           | 59  | 63  | 63  |     |
| 4,5                       | 67                                          | 86   | 87  | 77  |     | 50                                           | 51  | 55  | 55  |     |
| 5,0                       | 46                                          | 60   |     |     |     | 44                                           | 44  |     |     |     |
| Espesor Thickness 0,75 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 369                                         | 392  | 306 | 225 | 168 | 133                                          | 135 | 137 | 138 | 137 |
| 3,5                       | 242                                         | 278  | 242 | 189 | 147 | 110                                          | 116 | 118 | 117 | 116 |
| 4,0                       | 161                                         | 196  | 187 | 155 | 125 | 93                                           | 101 | 101 | 100 | 98  |
| 4,5                       | 108                                         | 138  | 141 | 125 |     | 81                                           | 89  | 89  | 87  |     |
| 5,0                       | 74                                          | 98   |     |     |     | 70                                           | 71  |     |     |     |
| Espesor Thickness 1,00 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 1022                                        | 1130 | 924 | 680 | 511 | 386                                          | 395 | 398 | 393 | 391 |
| 3,5                       | 684                                         | 808  | 734 | 571 | 445 | 334                                          | 341 | 340 | 336 | 329 |
| 4,0                       | 463                                         | 575  | 569 | 472 | 381 | 293                                          | 295 | 295 | 288 | 282 |
| 4,5                       | 319                                         | 410  | 430 | 382 |     | 256                                          | 259 | 259 | 254 |     |
| 5,0                       | 223                                         | 295  | 323 |     |     | 226                                          | 229 | 227 |     |     |
| EUROCOVER 40N             |                                             |      |     |     |     |                                              |     |     |     |     |
| Espesor Thickness 0,60 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 226                                         | 239  | 183 | 132 | 98  | 70                                           | 73  | 73  | 75  | 76  |
| 3,5                       | 150                                         | 172  | 147 | 112 | 86  | 60                                           | 62  | 62  | 63  | 63  |
| 4,0                       | 101                                         | 122  | 115 | 94  | 74  | 52                                           | 52  | 55  | 55  | 54  |
| 4,5                       | 68                                          | 87   | 88  | 76  | 63  | 44                                           | 45  | 48  | 48  | 47  |
| 5,0                       | 47                                          | 62   | 66  | 61  |     | 38                                           | 39  | 43  | 42  |     |
| 5,5                       | 32                                          | 44   |     |     |     | 31                                           | 34  |     |     |     |
| Espesor Thickness 0,75 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 352                                         | 378  | 296 | 214 | 159 | 115                                          | 117 | 118 | 121 | 121 |
| 3,5                       | 236                                         | 273  | 238 | 183 | 140 | 96                                           | 99  | 100 | 103 | 101 |
| 4,0                       | 160                                         | 196  | 187 | 152 | 121 | 83                                           | 88  | 88  | 87  | 87  |
| 4,5                       | 109                                         | 140  | 143 | 124 | 103 | 71                                           | 77  | 78  | 77  | 76  |
| 5,0                       | 76                                          | 100  | 109 | 100 |     | 62                                           | 63  | 68  | 68  |     |
| 5,5                       | 53                                          | 73   |     |     |     | 54                                           | 55  |     |     |     |
| Espesor Thickness 1,00 mm |                                             |      |     |     |     |                                              |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |     |     |     | Carga puntual en L/4 Punctual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8 | 1   | 1,2 | 0,4                                          | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 954                                         | 1079 | 895 | 649 | 483 | 332                                          | 347 | 355 | 352 | 345 |
| 3,5                       | 656                                         | 787  | 723 | 553 | 426 | 288                                          | 294 | 299 | 296 | 291 |
| 4,0                       | 453                                         | 570  | 563 | 463 | 370 | 254                                          | 259 | 260 | 254 | 250 |
| 4,5                       | 317                                         | 412  | 430 | 380 | 316 | 226                                          | 228 | 226 | 225 | 222 |
| 5,0                       | 225                                         | 300  | 327 | 308 |     | 197                                          | 203 | 201 | 201 |     |
| 5,5                       | 161                                         | 221  | 249 |     |     | 157                                          | 179 | 180 |     |     |

Los datos de las tablas de cargas corresponden a valores de cálculo analítico sobre Comportamientos Resistentes de Arcos, realizado por las Áreas de Ingeniería de la Construcción y Mecánica de Medios Continuos y Teoría de Estructuras del Departamento de Ingeniería Mecánica, Centro Politécnico Superior de la Universidad de Zaragoza.  
Value of tables corresponds to analytic calculation loads on Resistant Behaviours of Arches, made by the Areas of "Construction Engineering and Mechanics" and "Theory of Structures", Department of Mechanical Engineering (Higher Polytechnic Centre, University of Zaragoza).



| EUROMODUL 44              |                                             |      |      |      |      |                                             |     |     |     |     |
|---------------------------|---------------------------------------------|------|------|------|------|---------------------------------------------|-----|-----|-----|-----|
| Espesor Thickness 0,60 mm |                                             |      |      |      |      |                                             |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |      |      |      | Carga puntual en L/4 Puntual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8  | 1    | 1,2  | 0,4                                         | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 496                                         | 585  | 521  | 392  | 298  | 185                                         | 198 | 205 | 205 | 206 |
| 4,0                       | 235                                         | 301  | 308  | 266  | 218  | 140                                         | 142 | 151 | 151 | 150 |
| 5,0                       | 115                                         | 156  | 174  | 170  | 151  | 106                                         | 108 | 120 | 119 | 117 |
| 6,0                       | 59                                          | 84   | 99   | 104  | 101  | 76                                          | 85  | 85  | 95  | 95  |
| 7,0                       | 31                                          | 47   | 58   | 64   | 65   | 58                                          | 68  | 69  | 68  | 77  |
| 8,0                       | 17                                          | 27   | 34   |      |      | 39                                          | 47  | 55  |     |     |
| Espesor Thickness 0,75 mm |                                             |      |      |      |      |                                             |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |      |      |      | Carga puntual en L/4 Puntual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8  | 1    | 1,2  | 0,4                                         | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 764                                         | 917  | 826  | 631  | 481  | 301                                         | 314 | 327 | 325 | 325 |
| 4,0                       | 368                                         | 475  | 491  | 429  | 352  | 216                                         | 237 | 237 | 241 | 235 |
| 5,0                       | 184                                         | 249  | 278  | 275  | 244  | 166                                         | 169 | 191 | 189 | 185 |
| 6,0                       | 97                                          | 136  | 160  | 170  | 164  | 131                                         | 134 | 154 | 153 | 151 |
| 7,0                       | 52                                          | 77   | 94   | 105  | 107  | 93                                          | 107 | 109 | 125 | 124 |
| 8,0                       | 29                                          | 45   | 57   |      |      | 72                                          | 86  | 89  |     |     |
| Espesor Thickness 1,00 mm |                                             |      |      |      |      |                                             |     |     |     |     |
|                           | Sobrecarga uniforme Uniform overload (daN²) |      |      |      |      | Carga puntual en L/4 Puntual load L/4 (daN) |     |     |     |     |
|                           | 0,4                                         | 0,6  | 0,8  | 1    | 1,2  | 0,4                                         | 0,6 | 0,8 | 1   | 1,2 |
| 3,0                       | 2025                                        | 2554 | 2385 | 1897 | 1442 | 890                                         | 891 | 940 | 908 | 913 |
| 4,0                       | 1018                                        | 1356 | 1426 | 1293 | 1059 | 667                                         | 693 | 683 | 692 | 669 |
| 5,0                       | 530                                         | 728  | 821  | 824  | 739  | 535                                         | 533 | 543 | 534 | 521 |
| 6,0                       | 289                                         | 406  | 479  | 510  | 500  | 366                                         | 437 | 433 | 439 | 432 |
| 7,0                       | 161                                         | 236  | 289  | 320  | 330  | 298                                         | 364 | 363 | 360 | 355 |
| 8,0                       | 96                                          | 144  | 180  |      |      | 240                                         | 248 | 301 |     |     |

Los arcos considerados en los cálculos corresponden a las geometrías recogidas en la siguiente tabla.

The arches considered in the calculations correspond to the geometries detailed in the following table.

Por criterios de esbeltez no se recomienda su utilización.  
Not recommended (due to slenderness ratio)

|                   | Luz<br>Span (m) | Flecha Spire (cm) |       |       |       |       |
|-------------------|-----------------|-------------------|-------|-------|-------|-------|
|                   |                 | 0,4               | 0,6   | 0,8   | 1     | 1,2   |
| Radios Radius (m) | 3,0             | 3,01              | 2,18  | 1,81  | 1,63  | 1,54  |
|                   | 3,5             | 4,03              | 2,85  | 2,31  | 2,03  | 1,88  |
|                   | 4,0             | 5,20              | 3,63  | 2,90  | 2,50  | 2,27  |
|                   | 4,5             | 6,53              | 4,52  | 3,56  | 3,03  | 2,71  |
|                   | 5,0             | 8,01              | 5,51  | 4,31  | 3,63  | 3,20  |
|                   | 5,5             | 9,65              | 6,60  | 5,13  | 4,28  | 3,75  |
|                   | 6,0             | 11,45             | 7,80  | 6,03  | 5,00  | 4,35  |
|                   | 7,0             | 15,51             | 10,51 | 8,06  | 6,63  | 5,70  |
|                   | 8,0             | 20,20             | 13,63 | 10,40 | 8,50  | 7,27  |
|                   | 9,0             | 25,51             | 17,18 | 13,06 | 10,63 | 9,04  |
|                   | 10,0            | 31,45             | 21,13 | 16,03 | 13,00 | 11,02 |



## Paneles Sándwich

Sandwich Panels





## **Paneles arquitectónicos**

Architectural panels

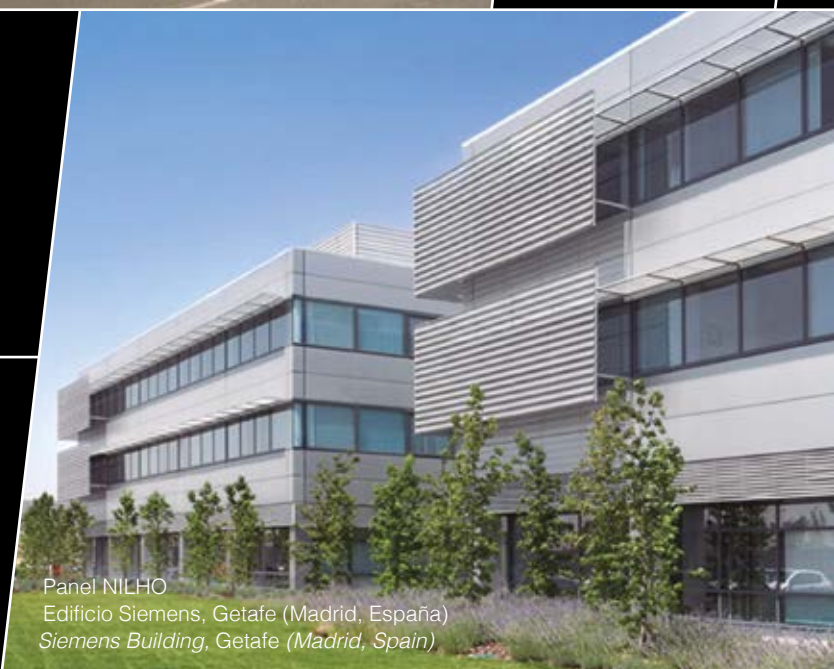
ETNA ADVANCE  
ETNA PRO  
ETNA  
GALATEA  
NILHO PRO  
NILHO  
ÁTICA



Panel NILHO,  
Edificio Gurus (El Salvador)  
*Gurus Building (El Salvador)*



Panel ETNA ADVANCE  
Centro Cívico Zona Sur, Valladolid (España)  
*Zona Sur Cultural Center, Valladolid (Spain)*



Panel NILHO  
Edificio Siemens, Getafe (Madrid, España)  
*Siemens Building, Getafe (Madrid, Spain)*



Panel ETNA ADVANCE  
Pabellón Isla Mayor, Sevilla (España)  
*Sports Center Isla Mayor, Sevilla (Spain)*



# Panel arquitectónico

## Architectural panel

### ETNA ADVANCE (PUR/PIR)



Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel metal sheets for cladding.*

Acabado exterior liso  
Poliuretano sin CFC's  
Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

*Smooth exterior finish  
CFC-free polyurethane  
Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                  |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                  |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profilled |
| 600                                                                | 640                                | 4.000                                | 6.000                            |
| 900                                                                | 940                                | 4.000                                | 6.000                            |
| 1000                                                               | 1040                               | 4.000                                | 6.000                            |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

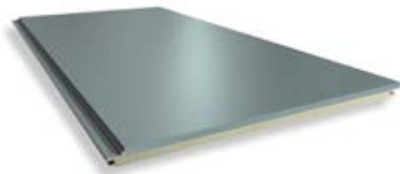
| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |      |      |      |      |
|------------------------------|----------------------------------------------------------|------|------|------|------|------|
|                              | PUR                                                      |      |      | PIR  |      |      |
|                              | 600                                                      | 900  | 1000 | 600  | 900  | 1000 |
| 50                           | 0,60                                                     | 0,54 | 0,53 | 0,56 | 0,51 | 0,49 |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



## ETNA ADVANCE (PUR / PIR)



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |       |       |       |       |
|---------------------------|---------------------|-------|-------|-------|-------|-------|
|                           | 600                 |       | 900   |       | 1000  |       |
|                           | PUR                 | PIR   | PUR   | PIR   | PUR   | PIR   |
| 50                        | 13,11               | 13,16 | 12,53 | 12,58 | 12,41 | 12,46 |

Peso en kg/m² del panel en espesor de 0,75/0,5 mm. Weight in kg/m² of panel in thickness of 0.75 / 0.5 mm.

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



J. Transversal Etna Advance  
Etna Advance Vertical  
gasket seal



J. Longitudinal Etna Advance  
Etna Advance Horiz. gasket seal

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sub>m</sub> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sub>m</sub> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sub>m</sub> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos. Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sub>m</sub> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sub>m</sub> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sub>m</sub> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower. Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (6.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

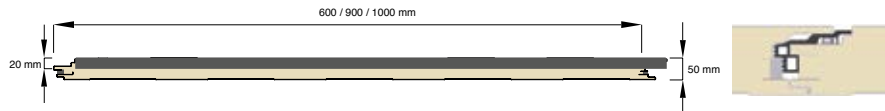
In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (6.000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europafil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculados por la ingeniería responsable del mismo.

Europafil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición horizontal.  
Architectural façades in horizontal position



| LUZ MÁXIMA ADMISIBLE <i>MAXIMUM PERMISSIBLE SPAN (m):</i> |                                                                |      |      |      |      |      |      |      |                                                                                  |      |      |      |      |      |      |
|-----------------------------------------------------------|----------------------------------------------------------------|------|------|------|------|------|------|------|----------------------------------------------------------------------------------|------|------|------|------|------|------|
| <div><div></div><div></div></div>                         |                                                                |      |      |      |      |      |      |      |                                                                                  |      |      |      |      |      |      |
| CARGA A PRESIÓN<br><i>POSITIVE LOAD (daN/m²):</i>         |                                                                |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br><i>NEGATIVE LOADS <sup>(2)</sup> (daN/m²):</i> |      |      |      |      |      |      |
| Esp. PANEL<br><i>PANEL Thk. (mm):</i>                     | Cat. COLOR <sup>(1)</sup><br><i>Cat. COLOR <sup>(1)</sup>:</i> | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                               | 75   | 100  | 125  | 150  | 175  | 200  |
| 600                                                       | I                                                              | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 4,30                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | II                                                             | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 3,60                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | III                                                            | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,70                                                                             | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 |
| 900                                                       | I                                                              | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 4,30                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | II                                                             | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 3,60                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | III                                                            | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,70                                                                             | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 |
| 1000                                                      | I                                                              | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 4,30                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | II                                                             | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 3,60                                                                             | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                                           | III                                                            | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,70                                                                             | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 |

| LUZ MÁXIMA ADMISIBLE <i>MAXIMUM PERMISSIBLE SPAN (m):</i> |                                                          |      |      |      |      |      |      |      |                                                                                  |      |      |      |      |      |      |  |
|-----------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|----------------------------------------------------------------------------------|------|------|------|------|------|------|--|
| <div><div></div><div></div><div></div></div>              |                                                          |      |      |      |      |      |      |      |                                                                                  |      |      |      |      |      |      |  |
| CARGA A PRESIÓN<br><i>POSITIVE LOAD (daN/m²):</i>         |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br><i>NEGATIVE LOADS <sup>(2)</sup> (daN/m²):</i> |      |      |      |      |      |      |  |
| Esp. PANEL<br>PANEL Thk. (mm):                            | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                               | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 600                                                       | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
| 900                                                       | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
| 1000                                                      | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |
|                                                           | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                             | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |  |

| LUZ MÁXIMA ADMISIBLE <i>MAXIMUM PERMISSIBLE SPAN (m):</i> |                                                          |      |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |
|-----------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
| <div><div></div><div></div><div></div><div></div></div>   |                                                          |      |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):                |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                            | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 600                                                       | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
| 900                                                       | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
| 1000                                                      | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                                           | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |





# Panel arquitectónico

## Architectural panel

### ETNA PRO (PUR/PIR)



Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel metal sheets for cladding.*

Acabado exterior liso  
Poliuretano sin CFC's  
Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

*Smooth exterior finish  
CFC-free polyurethane  
Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                  |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                  |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profilled |
| 600                                                                | 640                                | 4.000                                | 6.000                            |
| 900                                                                | 940                                | 4.000                                | 6.000                            |
| 1000                                                               | 1040                               | 8.000                                | 14.400                           |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |      |      |      |      |
|------------------------------|----------------------------------------------------------|------|------|------|------|------|
|                              | PUR                                                      |      |      | PIR  |      |      |
|                              | 600                                                      | 900  | 1000 | 600  | 900  | 1000 |
| 50                           | 0,56                                                     | 0,51 | 0,50 | 0,52 | 0,48 | 0,47 |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74





## ETNA PRO (PUR / PIR)



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |       |       |       |       |
|---------------------------|---------------------|-------|-------|-------|-------|-------|
|                           | 600                 |       | 900   |       | 1000  |       |
|                           | PUR                 | PIR   | PUR   | PIR   | PUR   | PIR   |
| 50                        | 13,11               | 13,16 | 12,53 | 12,58 | 12,41 | 12,46 |

Peso en kg/m² del panel en espesor de 0,70/0,5 mm. Weight in kg/m² of panel in thickness of 0.70 / 0.5 mm.

Accesorios: Junta transversal PRO, Juntas EPDM (ver en p.72)  
Accessories: Etna PRO Vertical gasket seal, EPDM joints, (see on p.72)



J. Transversal PRO  
PRO Transverse Joint



J. Longitudinal PRO/Advance  
PRO/Advance Longitudinal Joint

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>m</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>m</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>m</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>m</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>m</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>m</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (6.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

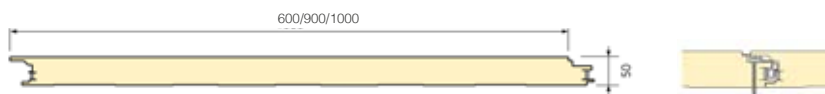
In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (6.000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europafil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculados por la ingeniería responsable del mismo.

Europafil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición horizontal.  
Architectural façades in horizontal position



| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |
| 900                                                | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |
| 1000                                               | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
| 900                                                | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
| 1000                                               | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
| 900                                                | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
| 1000                                               | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |



# Panel arquitectónico

## Architectural panel

### ETNA (PUR/PIR)



Panel sándwich aislante de poliuretano (PUR) o poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel metal sheets for cladding.*

Acabado exterior liso

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1;-1) dB

*Smooth exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

#### CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm):

| ANCHO ÚTIL<br>COVER WIDTH<br>(mm) | ANCHO TOTAL<br>TOTAL WIDTH (mm) | LONGITUDES LENGTHS (mm)              |                                 |
|-----------------------------------|---------------------------------|--------------------------------------|---------------------------------|
|                                   |                                 | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 600                               | 640                             | 8.000                                | 14.400                          |
| 900                               | 940                             | 8.000                                | 14.400                          |
| 1000                              | 1040                            | 8.000                                | 14.400                          |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

#### TRANSMITANCIA TÉRMICA U THERMAL TRANSMITTANCE (W/m²K)

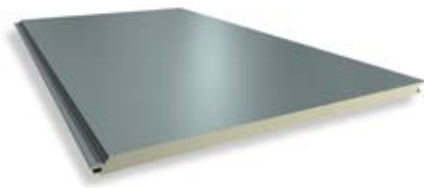
| ESPESOR<br>THICKNESS (mm) | PUR  |      |      | PIR  |      |      |
|---------------------------|------|------|------|------|------|------|
|                           | 600  | 900  | 1000 | 600  | 900  | 1000 |
| 40                        | 0,77 | 0,69 | 0,67 | 0,73 | 0,65 | 0,63 |
| 50                        | 0,60 | 0,54 | 0,53 | 0,56 | 0,51 | 0,49 |
| 60                        | 0,53 | 0,47 | 0,46 | 0,50 | 0,44 | 0,43 |
| 70                        | 0,43 | 0,39 | 0,38 | -    | -    | -    |
| 80                        | 0,39 | 0,35 | 0,34 | -    | -    | -    |
| 100                       | 0,29 | 0,26 | 0,26 | -    | -    | -    |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



## ETNA (PUR / PIR)



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m <sup>2</sup> ) |       |       |       |       |       |
|---------------------------|----------------------------------|-------|-------|-------|-------|-------|
|                           | 600                              |       | 900   |       | 1000  |       |
|                           | PUR                              | PIR   | PUR   | PIR   | PUR   | PIR   |
| 40                        | 12,72                            | 12,76 | 12,14 | 12,18 | 12,02 | 12,06 |
| 50                        | 13,11                            | 13,56 | 12,53 | 12,58 | 12,41 | 12,46 |
| 60                        | 13,50                            | 13,56 | 12,92 | 12,98 | 12,80 | 12,86 |
| 70                        | 13,89                            | -     | 13,31 | -     | 13,19 | -     |
| 80                        | 14,28                            | -     | 13,70 | -     | 13,58 | -     |
| 100                       | 15,06                            | -     | 14,48 | -     | 14,36 | -     |

Peso en kg/m<sup>2</sup> del panel en espesor de 0,75/ 0,5 mm (PUR) y 0,70/ 0,5 mm (PIR). Weight in kg/m<sup>2</sup> of panel in thickness of 0,75/ 0,5 mm (PUR) and 0,70/ 0,5 mm (PIR).

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



Junta transversal  
Gasket seal "Y"

J. Transversal rellena  
Gasket seal "T"

J. Longitudinal  
Horiz. gasket seal



Omega + Tapeta de aluminio  
Omega + Aluminum cover

Omega + Tapeta de acero  
Steel joint + cover plate

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>med</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>med</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>med</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos. Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>med</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>med</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>med</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower. Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

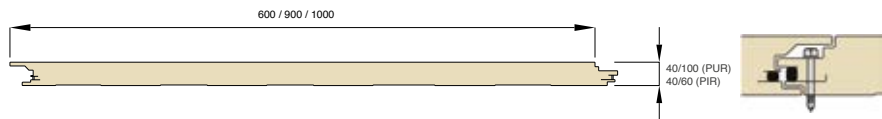
In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europerfil como cortesia comercial suministra plaquetas de reparo y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europerfil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición vertical u horizontal.  
Architectural façades in vertical or horizontal position



### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                                          | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50                                                      | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                                     | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I                                                        | 3,70                                                    | 3,10 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 | 3,70                                                                                   | 3,10 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 |
|                                | II                                                       | 2,90                                                    | 2,90 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 | 2,90                                                                                   | 2,90 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 |
|                                | III                                                      | 2,10                                                    | 2,10 | 2,10 | 2,10 | 2,10 | 2,00 | 1,90 | 2,10                                                                                   | 2,10 | 2,10 | 2,10 | 2,10 | 2,00 | 1,90 |
| 50                             | I                                                        | 4,30                                                    | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 4,30                                                                                   | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                | II                                                       | 3,60                                                    | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 3,60                                                                                   | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |
|                                | III                                                      | 2,70                                                    | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,70                                                                                   | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 |
| 60                             | I                                                        | 4,50                                                    | 4,20 | 3,70 | 3,30 | 3,00 | 2,80 | 2,60 | 4,50                                                                                   | 4,20 | 3,70 | 3,30 | 3,00 | 2,80 | 2,60 |
|                                | II                                                       | 4,40                                                    | 4,20 | 3,70 | 3,30 | 3,00 | 2,80 | 2,60 | 4,40                                                                                   | 4,20 | 3,70 | 3,30 | 3,00 | 2,80 | 2,60 |
|                                | III                                                      | 3,30                                                    | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 | 3,30                                                                                   | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 |
| 70/80/100                      | I                                                        | 4,50                                                    | 4,50 | 4,20 | 3,80 | 3,40 | 3,20 | 3,00 | 4,50                                                                                   | 4,50 | 4,20 | 3,80 | 3,40 | 3,20 | 3,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,20 | 3,80 | 3,40 | 3,20 | 3,00 | 4,50                                                                                   | 4,50 | 4,20 | 3,80 | 3,40 | 3,20 | 3,00 |
|                                | III                                                      | 3,80                                                    | 3,80 | 3,80 | 3,80 | 3,40 | 3,20 | 3,00 | 3,80                                                                                   | 3,80 | 3,80 | 3,80 | 3,40 | 3,20 | 3,00 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                                          | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50                                                      | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                                     | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I                                                        | 4,50                                                    | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 | 4,50                                                                                   | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 |
|                                | II                                                       | 4,50                                                    | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 | 4,50                                                                                   | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 |
|                                | III                                                      | 4,50                                                    | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 | 4,50                                                                                   | 3,80 | 3,30 | 2,90 | 2,60 | 2,30 | 2,20 |
| 50                             | I                                                        | 4,50                                                    | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |
|                                | II                                                       | 4,50                                                    | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |
|                                | III                                                      | 4,50                                                    | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 |
| 60                             | I                                                        | 4,50                                                    | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 | 4,50                                                                                   | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 | 4,50                                                                                   | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 | 4,50                                                                                   | 4,50 | 4,50 | 4,00 | 3,60 | 3,30 | 3,00 |
| 70/80/100                      | I                                                        | 4,50                                                    | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,50 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,50 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,20 | 3,90 | 3,70 | 3,60 | 3,40 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                                          | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50                                                      | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                                     | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I                                                        | 4,40                                                    | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 | 4,40                                                                                   | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 |
|                                | II                                                       | 4,40                                                    | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 | 4,40                                                                                   | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 |
|                                | III                                                      | 4,40                                                    | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 | 4,40                                                                                   | 3,60 | 3,20 | 2,80 | 2,50 | 2,30 | 2,10 |
| 50                             | I                                                        | 4,50                                                    | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                                   | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                | II                                                       | 4,50                                                    | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                                   | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
|                                | III                                                      | 4,50                                                    | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 4,50                                                                                   | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 |
| 60                             | I                                                        | 4,50                                                    | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 | 4,50                                                                                   | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 | 4,50                                                                                   | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 | 4,50                                                                                   | 4,50 | 4,30 | 3,90 | 3,50 | 3,20 | 3,00 |
| 70/80/100                      | I                                                        | 4,50                                                    | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 | 4,50                                                                                   | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 | 4,50                                                                                   | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 | 4,50                                                                                   | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,40 |



# Panel arquitectónico

## Architectural panel

### GALATEA (PUR/PIR)



Aplicación: Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel sheets for cladding.*

Acabado exterior liso

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1;-1) dB

*Smooth exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>WIDTH<br>USEFULL<br>(mm)                             | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 1.100 mm                                                           | 1.140 mm                           | 8.000                                | 14.400                          |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

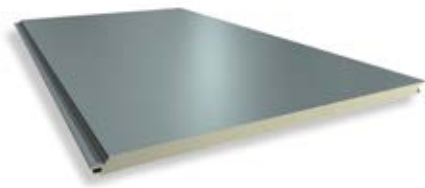
| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |
|------------------------------|----------------------------------------------------------|------|
|                              | PUR                                                      | PIR  |
| 40                           | 0,66                                                     | 0,62 |
| 50                           | 0,52                                                     | 0,48 |
| 60                           | 0,45                                                     | 0,42 |
| 70                           | 0,37                                                     | -    |
| 80                           | 0,34                                                     | -    |
| 100                          | 0,26                                                     | -    |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



## GALATEA (PUR / PIR)



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |
|---------------------------|---------------------|-------|
|                           | PUR                 | PIR   |
| 40                        | 11,09               | 11,13 |
| 50                        | 11,48               | 11,53 |
| 60                        | 11,87               | 11,93 |
| 70                        | 12,26               | -     |
| 80                        | 12,65               | -     |
| 100                       | 13,43               | -     |

Peso en kg/m² del panel en espesor 0,6/0,5mm. Weight in kg/m² of panel in thickness of 0,6/0,5mm.

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



Junta transversal Vertical gasket seal "Y"  
J. Transversal rellena Vertical gasket seal "T"  
J. Longitudinal Horiz. gasket seal



Omega + Tapeta Extrusionada Aluminium joint + cover plate  
Omega + Tapeta de acero Steel joint + cover plate



Transv. Semi Advance"  
Trans. Semi Advance"

\*Disponible para paneles Etna y Galatea de espesor 50mm  
\*Available for Etna and Galatea in panel thickness 50mm

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sub>ext</sub> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sub>ext</sub> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sub>ext</sub> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sub>ext</sub> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sub>ext</sub> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sub>ext</sub> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

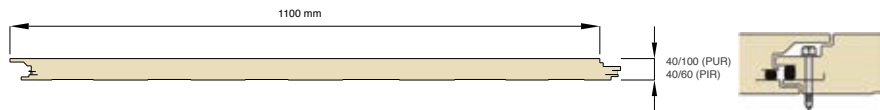
Europefil como cortésia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europefil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición vertical u horizontal.

Architectural façades in vertical or horizontal position



### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| Esp. PANEL<br>PANEL Thk. (mm): |     | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----|--------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
|                                |     | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I   | 3,60                                       | 3,10 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 3,60                                                                      | 3,10 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |
|                                | II  | 2,90                                       | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 2,90                                                                      | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |
|                                | III | 2,10                                       | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 | 2,10                                                                      | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 |
| 50                             | I   | 4,30                                       | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 | 4,30                                                                      | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 |
|                                | II  | 3,60                                       | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 | 3,60                                                                      | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 |
|                                | III | 2,70                                       | 2,70 | 2,70 | 2,70 | 2,70 | 2,50 | 2,30 | 2,70                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,50 | 2,30 |
| 60                             | I   | 4,50                                       | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 | 4,50                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 |
|                                | II  | 4,40                                       | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 | 4,40                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 |
|                                | III | 3,30                                       | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,70 | 3,30                                                                      | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,70 |
| 70/80/100                      | I   | 4,50                                       | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                                      | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |
|                                | II  | 4,50                                       | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                                      | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |
|                                | III | 3,80                                       | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 | 3,80                                                                      | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| Esp. PANEL<br>PANEL Thk. (mm): |     | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----|--------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
|                                |     | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I   | 4,50                                       | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                      | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
|                                | II  | 4,50                                       | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                      | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
|                                | III | 4,50                                       | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                      | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
| 50                             | I   | 4,50                                       | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |
|                                | II  | 4,50                                       | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |
|                                | III | 4,50                                       | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |
| 60                             | I   | 4,50                                       | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                                      | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |
|                                | II  | 4,50                                       | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                                      | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |
|                                | III | 4,50                                       | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                                      | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |
| 70/80/100                      | I   | 4,50                                       | 4,50 | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 4,50                                                                      | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |
|                                | II  | 4,50                                       | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 2,90 | 4,50                                                                      | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |
|                                | III | 4,50                                       | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 2,90 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,10 | 3,80 | 3,40 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| Esp. PANEL<br>PANEL Thk. (mm): |     | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----|--------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
|                                |     | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                             | I   | 4,40                                       | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |
|                                | II  | 4,40                                       | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |
|                                | III | 4,40                                       | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |
| 50                             | I   | 4,50                                       | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
|                                | II  | 4,50                                       | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
|                                | III | 4,50                                       | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
| 60                             | I   | 4,50                                       | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
|                                | II  | 4,50                                       | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
|                                | III | 4,50                                       | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
| 70/80/100                      | I   | 4,50                                       | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |
|                                | II  | 4,50                                       | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |
|                                | III | 4,50                                       | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |





# Panel arquitectónico

## Architectural panel

### NILHO PRO (PUR/PIR)



Panel sandwich aislante autoportante, fabricado en continuo con alma de poliuretano (PUR) y doble cobertura metálica de acero lacado.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel sheets for cladding.*

Acabado exterior micronervado

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1; -1) dB

*Micro-ribbed exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                  |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                  |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profilled |
| 600                                                                | 640                                | 4.000                                | 6.000                            |
| 900                                                                | 940                                | 4.000                                | 6.000                            |
| 1000                                                               | 1040                               | 8.000                                | 14.400                           |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |      |      |      |      |
|------------------------------|----------------------------------------------------------|------|------|------|------|------|
|                              | PUR                                                      |      |      | PIR  |      |      |
|                              | 600                                                      | 900  | 1000 | 600  | 900  | 1000 |
| 50                           | 0,56                                                     | 0,51 | 0,50 | 0,52 | 0,48 | 0,47 |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



## NILHO PRO (PUR / PIR)



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |       |       |       |       |
|---------------------------|---------------------|-------|-------|-------|-------|-------|
|                           | 600                 |       | 900   |       | 1000  |       |
|                           | PUR                 | PIR   | PUR   | PIR   | PUR   | PIR   |
| 50                        | 13,11               | 13,16 | 12,53 | 12,58 | 12,41 | 12,46 |

Peso en kg/m² del panel en espesor de 0,70/0,5 mm. Weight in kg/m² of panel in thickness of 0.70 / 0.5 mm.

Accesorios: Junta transversal PRO, Juntas EPDM (ver en p.72)  
Accessories: Etna PRO Vertical gasket seal, EPDM joints, (see on p.72)



J. Transversal PRO  
PRO Transverse Joint



J. Longitudinal PRO/Advance  
PRO/Advance Longitudinal Joint

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>m</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>m</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>m</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>m</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>m</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>m</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (6.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

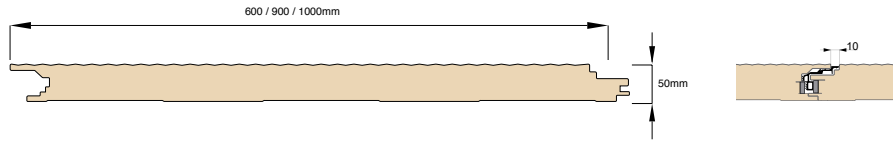
In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (6.000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europerfil como cortesía comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculados por la ingeniería responsable del mismo.

Europerfil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición vertical u horizontal.  
Architectural façades in vertical or horizontal position



| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |
| 900                                                | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |
| 1000                                               | I                                                        | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 4,30 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30                                                                      | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 2,30 |
|                                                    | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30                                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,30 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
| 900                                                | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
| 1000                                               | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60                                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,10 | 2,80 | 2,60 | 2,60 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                                          |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |      |      |
|----------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                       | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 200  |
| 600                                                | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
| 900                                                | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
| 1000                                               | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |
|                                                    | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60 | 2,60 |



# Panel arquitectónico

## Architectural panel

### NILHO (PUR/PIR)



Panel sandwich aislante autoportante, fabricado en continuo con alma de poliuretano (PUR) y doble cobertura metálica de acero lacado.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel, with double steel sheets for cladding.*

Acabado exterior micronervado

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1; -1) dB

*Micro-ribbed exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 600                                                                | 640                                | 8.000                                | 14.400                          |
| 900                                                                | 940                                | 8.000                                | 14.400                          |
| 1000                                                               | 1040                               | 8.000                                | 14.400                          |
| 1100                                                               | 1140                               | 8.000                                | 14.400                          |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

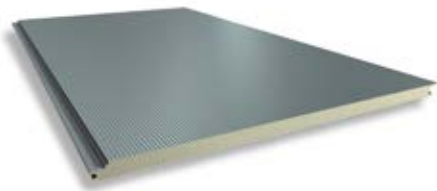
| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |      |      |      |      |      |      |
|------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|
|                              | PUR                                                      |      |      |      | PIR  |      |      |      |
|                              | 600                                                      | 900  | 1000 | 1100 | 600  | 900  | 1000 | 1100 |
| 40                           | 0,77                                                     | 0,69 | 0,67 | 0,66 | 0,73 | 0,65 | 0,63 | 0,62 |
| 50                           | 0,60                                                     | 0,54 | 0,53 | 0,52 | 0,56 | 0,51 | 0,49 | 0,48 |
| 60                           | 0,53                                                     | 0,47 | 0,46 | 0,45 | 0,50 | 0,44 | 0,43 | 0,42 |
| 70                           | 0,43                                                     | 0,39 | 0,38 | 0,37 | -    | -    | -    | -    |
| 80                           | 0,39                                                     | 0,35 | 0,34 | 0,34 | -    | -    | -    | -    |
| 100                          | 0,29                                                     | 0,26 | 0,26 | 0,26 | -    | -    | -    | -    |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



## NILHO (PUR / PIR)



| ESPESOR<br>THICKNESS<br>(mm) | PESO WEIGHT (kg/m <sup>2</sup> ) |       |       |       |       |       |       |       |
|------------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                              | 600                              |       | 900   |       | 1000  |       | 1100  |       |
|                              | PUR                              | PIR   | PUR   | PIR   | PUR   | PIR   | PUR   | PIR   |
| 40                           | 12,72                            | 12,71 | 12,14 | 12,14 | 12,02 | 12,03 | 11,09 | 10,35 |
| 50                           | 13,11                            | 13,11 | 12,53 | 12,54 | 12,41 | 12,43 | 11,48 | 10,75 |
| 60                           | 13,50                            | 13,51 | 12,92 | 12,94 | 12,80 | 12,83 | 11,87 | 11,15 |
| 70                           | 13,89                            | -     | 13,31 | -     | 13,19 | -     | 12,26 | -     |
| 80                           | 14,28                            | -     | 13,70 | -     | 13,58 | -     | 12,65 | -     |
| 100                          | 15,06                            | -     | 14,48 | -     | 14,36 | -     | 13,43 | -     |

Peso en kg/m<sup>2</sup> del panel en espesor de 0,7/ 0,5 mm (PUR) y 0,60/ 0,5 mm (PIR)... Weight in kg/m<sup>2</sup> of panel in thickness of 0,7/ 0,5 mm (PUR) and 0,60/ 0,5 mm (PIR).

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sub>ext</sub> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sub>ext</sub> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sub>ext</sub> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos. Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sub>ext</sub> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sub>ext</sub> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sub>ext</sub> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower. Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

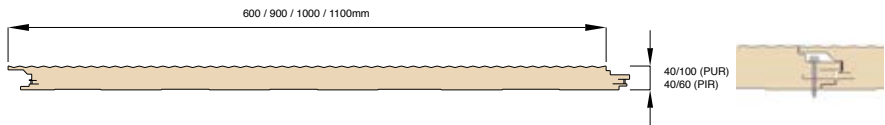
In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europerfil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europerfil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### Aplicaciones Scope

Fachadas arquitectónicas en disposición vertical u horizontal.  
Architectural façades in vertical or horizontal position



### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |  |
|--------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|--|
| Esp. PANEL<br>PANEL Thk. (mm):             | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                         | I                                                        | 3,60 | 3,00 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 | 3,60                                                                      | 3,00 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 |  |
|                                            | II                                                       | 2,90 | 2,90 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 | 2,90                                                                      | 2,90 | 2,70 | 2,40 | 2,20 | 2,00 | 1,90 |  |
|                                            | III                                                      | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 2,00 | 1,90 | 2,10                                                                      | 2,10 | 2,10 | 2,10 | 2,10 | 2,00 | 1,90 |  |
| 50                                         | I                                                        | 4,20 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 4,20                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |  |
|                                            | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 | 3,60                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,30 |  |
|                                            | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 | 2,70                                                                      | 2,70 | 2,70 | 2,70 | 2,60 | 2,40 | 2,30 |  |
| 60                                         | I                                                        | 4,50 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 |  |
|                                            | II                                                       | 4,40 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 | 4,40                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 |  |
|                                            | III                                                      | 3,30 | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 | 3,30                                                                      | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 |  |
| 70/80/100                                  | I                                                        | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 | 3,00 | 4,50                                                                      | 4,50 | 4,00 | 3,60 | 3,30 | 3,10 | 2,90 |  |
|                                            | II                                                       | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 | 3,00 | 4,50                                                                      | 4,50 | 4,00 | 3,60 | 3,30 | 3,10 | 2,90 |  |
|                                            | III                                                      | 3,80 | 3,80 | 3,80 | 3,70 | 3,40 | 3,10 | 3,00 | 3,80                                                                      | 3,80 | 3,80 | 3,60 | 3,30 | 3,10 | 2,90 |  |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |  |
|--------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|--|
| Esp. PANEL<br>PANEL Thk. (mm):             | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                         | I                                                        | 4,50 | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 | 4,50                                                                      | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 |  |
|                                            | II                                                       | 4,50 | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 | 4,50                                                                      | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 |  |
|                                            | III                                                      | 4,50 | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 | 4,50                                                                      | 3,80 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 |  |
| 50                                         | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |  |
|                                            | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |  |
|                                            | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                      | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |  |
| 60                                         | I                                                        | 4,50 | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 |  |
|                                            | II                                                       | 4,50 | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 |  |
|                                            | III                                                      | 4,50 | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 | 4,50                                                                      | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,10 |  |
| 70/80/100                                  | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,80 | 3,50 |  |
|                                            | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |  |
|                                            | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,30 | 3,80                                                                      | 3,50 | 3,20 | 3,10 | 2,90 | 2,80 | 2,70 |  |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |  |
|--------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|--|
| Esp. PANEL<br>PANEL Thk. (mm):             | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                         | I                                                        | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |  |
|                                            | II                                                       | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |  |
|                                            | III                                                      | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |  |
| 50                                         | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 |  |
|                                            | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 |  |
|                                            | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,80 | 2,60 |  |
| 60                                         | I                                                        | 4,50 | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 |  |
|                                            | II                                                       | 4,50 | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 |  |
|                                            | III                                                      | 4,50 | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,50 | 3,30 | 3,00 |  |
| 70/80/100                                  | I                                                        | 4,50 | 4,50 | 4,50 | 4,30 | 4,00 | 3,70 | 3,40 | 4,50                                                                      | 4,50 | 4,50 | 4,30 | 4,00 | 3,70 | 3,40 |  |
|                                            | II                                                       | 4,50 | 4,50 | 4,50 | 4,30 | 4,00 | 3,70 | 3,40 | 4,50                                                                      | 4,50 | 4,50 | 4,30 | 4,00 | 3,70 | 3,40 |  |
|                                            | III                                                      | 4,50 | 4,50 | 4,50 | 4,30 | 4,00 | 3,70 | 3,40 | 4,50                                                                      | 4,50 | 4,00 | 3,60 | 3,40 | 3,20 | 3,00 |  |





# Panel arquitectónico

## Architectural panel

### ÁTICA (PUR/PIR)



Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) sandwich panel with double steel sheets for cladding.*

Acabado exterior semiliso

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1;-1) dB

*Semi-smooth exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                           |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|---------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>WIDTH<br>USEFULL<br>(mm)                             | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | PUR / PIR                 | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | DENSIDAD<br>DENSITY kg/m³ | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 1100                                                               | 1140                               | 50                        | 8.000                                | 14.400                          |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |
|------------------------------|----------------------------------------------------------|------|
|                              | PUR                                                      | PIR  |
| 40                           | 0,66                                                     | 0,62 |
| 50                           | 0,52                                                     | 0,48 |
| 60                           | 0,45                                                     | 0,42 |
| 70                           | 0,37                                                     | -    |
| 80                           | 0,34                                                     | -    |
| 100                          | 0,26                                                     | -    |

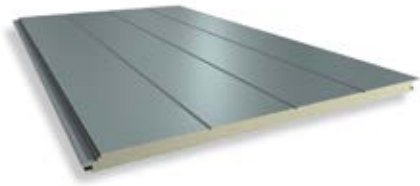
Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



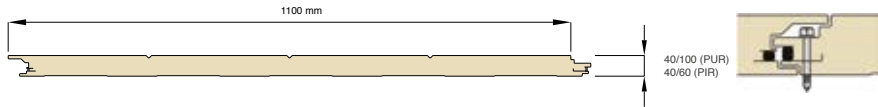


## ÁTICA (PUR / PIR)



### Aplicaciones Scope

Fachadas arquitectónicas en disposición vertical u horizontal.  
Architectural façades in vertical or horizontal position



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |
|---------------------------|---------------------|-------|
|                           | PUR                 | PIR   |
| 40                        | 11,09               | 11,13 |
| 50                        | 11,48               | 11,53 |
| 60                        | 11,87               | 11,93 |
| 70                        | 12,26               | -     |
| 80                        | 12,65               | -     |
| 100                       | 13,43               | -     |

Peso en kg/m² del panel en espesor 0,6/0,5mm. Weight in kg/m² of panel in thickness of 0,6/0,5mm.

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



J. Transversal rellena Vertical gasket seal "Y"  
J. Longitudinal Horiz. gasket seal  
J. Transversal Vertical gasket seal "T"



Omega + Tapeta Extrusionada Aluminium joint + cover plate  
Omega + Tapeta de acero Steel joint + cover plate

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sub>ext</sub> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sub>ext</sub> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sub>ext</sub> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sub>ext</sub> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sub>ext</sub> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sub>ext</sub> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europefil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de plaquetas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europefil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                   |      |      |      |      |      |      |      |                                                     |      |      |      |      |      |      |  |
|----------------------------------------------------|-----------------------------------|------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|--|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                   |      |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |  |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR (1)<br>Cat. COLOR (1): | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                                 | I                                 | 3,60 | 3,10 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 3,60                                                | 3,10 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |  |
|                                                    | II                                | 2,90 | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 2,90                                                | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |  |
|                                                    | III                               | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 | 2,10                                                | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 |  |
| 50                                                 | I                                 | 4,30 | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 | 4,30                                                | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 |  |
|                                                    | II                                | 3,60 | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 | 3,60                                                | 3,60 | 3,20 | 2,90 | 2,70 | 2,50 | 2,30 |  |
|                                                    | III                               | 2,70 | 2,70 | 2,70 | 2,70 | 2,70 | 2,50 | 2,30 | 2,70                                                | 2,70 | 2,70 | 2,70 | 2,70 | 2,50 | 2,30 |  |
| 60                                                 | I                                 | 4,50 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 | 4,50                                                | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 |  |
|                                                    | II                                | 4,40 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 | 4,40                                                | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,70 |  |
|                                                    | III                               | 3,30 | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,70 | 3,30                                                | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,70 |  |
| 70/80                                              | I                                 | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |  |
|                                                    | III                               | 3,80 | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 | 3,80                                                | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 |  |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                   |      |      |      |      |      |      |      |                                                     |      |      |      |      |      |      |  |
|----------------------------------------------------|-----------------------------------|------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|--|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                   |      |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |  |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR (1)<br>Cat. COLOR (1): | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                                 | I                                 | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |  |
|                                                    | II                                | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |  |
|                                                    | III                               | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |  |
| 50                                                 | I                                 | 4,50 | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |  |
|                                                    | III                               | 4,50 | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                | 4,50 | 4,00 | 3,50 | 3,20 | 2,90 | 2,70 |  |
| 60                                                 | I                                 | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |  |
|                                                    | III                               | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,20 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,10 |  |
| 70/80                                              | I                                 | 4,50 | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |  |
|                                                    | III                               | 4,50 | 4,50 | 4,50 | 4,50 | 3,80 | 3,30 | 2,90 | 4,50                                                | 4,50 | 4,50 | 4,40 | 4,10 | 3,80 | 3,40 |  |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m): |                                   |      |      |      |      |      |      |      |                                                     |      |      |      |      |      |      |  |
|----------------------------------------------------|-----------------------------------|------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|--|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):         |                                   |      |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |  |
| Esp. PANEL<br>PANEL Thk. (mm):                     | Cat. COLOR (1)<br>Cat. COLOR (1): | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 40                                                 | I                                 | 4,40 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |  |
|                                                    | II                                | 4,40 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |  |
|                                                    | III                               | 4,40 | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 | 4,40                                                | 3,60 | 3,20 | 2,90 | 2,60 | 2,40 | 2,20 |  |
| 50                                                 | I                                 | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |  |
|                                                    | II                                | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |  |
|                                                    | III                               | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |  |
| 60                                                 | I                                 | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |  |
|                                                    | III                               | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |  |
| 70/80                                              | I                                 | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |  |
|                                                    | II                                | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |  |
|                                                    | III                               | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,60 | 3,10 | 4,50                                                | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |  |



## **Paneles constructivos y frigoríficos y agro**

Industrial, cold storage and agricultural  
sandwich panels

DELFOS 1000/1150  
OLIMPIA  
RODAS  
ARTIC  
NEREO



Panel GALATEA  
Nave Diana Petfood, Cervera (Lleida, España)  
*Diana Petfood Factory, Cervera (Lleida, Spain)*

Panel OLIMPIA  
 Mataderos Cinco Villas,  
 Ejea delos Caballeros  
 (Zaragoza, España)  
*Cinco Villas slaughterhouse  
 Ejea delos Caballeros  
 (Zaragoza, Spain)*



Panel OLIMPIA  
 Nave Los Olivos, Getafe (Madrid, España)  
*Los Olivos warehouse, Getafe (Madrid, Spain)*



Panel DELFOS  
 Nave Baitra, Nigran (Pontevedra, España)  
*Baitra industrial plant, Nigran (Pontevedra, Spain)*



# Panel constructivo

## Industrial panel

### DELFO 1000/1150 (PIR)



Panel sándwich aislante de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en cubierta.

*Self-supporting double skin metal faced insulating polyisocyanurate (PIR) sandwich panel with double steel sheets for roofing.*

Poliuretano sin CFC's

Reacción al fuego B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1; +2) dB

Comportamiento al fuego ext.: B<sub>ROOF (t1)</sub>

*CFC-free polyurethane*

*Reaction to fire B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; +2) dB*

*External fire performance: B<sub>ROOF (t1)</sub>*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>WIDTH<br>USEFULL<br>(mm)                             | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 1000                                                               | 1025                               | 8.000                                | 18.000                          |
| 1150                                                               | 1175                               | 8.000                                | 18.000                          |

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
The maximum recommended length is only indicated as a recommendation for handling the material on site.

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |                      |      |      |
|------------------------------|----------------------------------------------------------|----------------------|------|------|
|                              | PIR                                                      |                      |      |      |
|                              | ASCENDENTE UPWARD                                        | DESCENDENTE DOWNWARD |      |      |
|                              | 1000                                                     | 1150                 | 1000 | 1150 |
| 30                           | 0,70                                                     | 0,69                 | 0,67 | 0,66 |
| 40                           | 0,54                                                     | 0,54                 | 0,52 | 0,52 |
| 50                           | 0,43                                                     | 0,43                 | 0,42 | 0,42 |
| 60                           | 0,37                                                     | 0,37                 | 0,36 | 0,36 |
| 80                           | 0,28                                                     | 0,28                 | 0,28 | 0,28 |
| 100                          | 0,23                                                     | 0,23                 | 0,23 | 0,23 |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.

Ver leyenda de colores en pag. 74 See color legend on p. 74





## DELPHOS (PIR)



### Aplicaciones Scope

Cubiertas inclinadas con una pendiente mínima del 7%  
Inclined roofs with a minimum slope of 7%



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m <sup>2</sup> ) |          |
|---------------------------|----------------------------------|----------|
|                           | 1000 PIR                         | 1150 PIR |
| 30                        | 10,48                            | 10,41    |
| 40                        | 10,88                            | 10,81    |
| 50                        | 11,28                            | 11,21    |
| 60                        | 11,68                            | 11,61    |
| 80                        | 12,48                            | 12,41    |
| 100                       | 13,28                            | 13,21    |

Peso en kg/m<sup>2</sup> del panel en espesor 0,6/0,4mm. Weight in kg/m<sup>2</sup> of panel in thickness of 0,6/0,4 mm.

### NOTAS NOTES

Las tablas de cargas corresponden al panel PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>m</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>m</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>m</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>m</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>m</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>m</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (18.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (18,000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europerfil como cortésia comercial suministra plaquetas y fijaciones estándar con sus paneles sándwich de cubierta, a razón de una grapa y un tornillo por cada m<sup>2</sup> de panel, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de grapas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculados por la ingeniería responsable del mismo.

Europerfil supplies fastening plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of fastening plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management.

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):      |                                                          |      |      |      |      |      |      |                                                                                        |      |      |      |      |      |      |      |      |
|---------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                          | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                                    | 50   | 75   | 100  | 125  | 150  | 175  | 200  |      |
| 30                                                      | I                                                        | 3,60 | 2,90 | 2,50 | 2,20 | 2,00 | 1,80 | 1,70                                                                                   | 4,50 | 4,10 | 3,60 | 3,10 | 2,60 | 2,20 | 1,90 |      |
|                                                         | II                                                       | 3,60 | 2,90 | 2,50 | 2,20 | 2,00 | 1,80 | 1,70                                                                                   | 4,50 | 4,20 | 3,70 | 3,10 | 2,60 | 2,20 | 1,90 |      |
|                                                         | III                                                      | 3,60 | 2,90 | 2,50 | 2,20 | 2,00 | 1,80 | 1,70                                                                                   | 4,50 | 4,40 | 3,80 | 3,10 | 2,60 | 2,20 | 1,90 |      |
| 40                                                      | I                                                        | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 2,90 | 2,60 |      |
|                                                         | II                                                       | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 3,90 | 3,60 | 3,30 | 2,90 | 2,60 |      |
|                                                         | III                                                      | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 3,80 | 3,50 | 3,20 | 2,90 | 2,60 |      |
| 50                                                      | I                                                        | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 4,00 | 3,70 | 3,40 | 3,20 | 3,00 |      |
|                                                         | II                                                       | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 3,90 | 3,60 | 3,30 | 3,10 | 3,00 |      |
|                                                         | III                                                      | 4,00 | 3,30 | 2,80 | 2,50 | 2,30 | 2,10 | 1,90                                                                                   | 4,50 | 4,50 | 3,80 | 3,50 | 3,20 | 3,00 | 2,90 |      |
| 60                                                      | I                                                        | 4,50 | 4,40 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,30 | 4,00 | 3,80 |      |
|                                                         | II                                                       | 4,50 | 4,40 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 4,00 | 3,70 |
|                                                         | III                                                      | 4,50 | 4,40 | 3,80 | 3,40 | 3,00 | 2,80 | 2,60                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,90 | 3,70 |      |
| 80                                                      | I                                                        | 4,50 | 4,50 | 4,50 | 4,20 | 3,90 | 3,60 | 3,30                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,40 |      |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,20 | 3,90 | 3,60 | 3,30                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,40 |      |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,20 | 3,90 | 3,60 | 3,30                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,30 |      |
| 100                                                     | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 4,20 | 3,90                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 |      |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 4,20 | 3,90                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 |      |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 4,20 | 3,90                                                                                   | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 |      |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):      |                                                          |      |      |      |      |      |      |                                                                                        |      |      |      |      |      |      |      |  |
|---------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|------|--|
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |                                                          |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |      |  |
| Esp. PANEL<br>PANEL Thk. (mm):                          | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200                                                                                    | 50   | 75   | 100  | 125  | 150  | 175  | 200  |  |
| 30                                                      | I                                                        | 4,50 | 4,20 | 3,20 | 2,50 | 2,10 | 1,80 | 1,60                                                                                   | 2,90 | 2,30 | 2,00 | 1,80 | 1,60 | 1,50 | 1,40 |  |
|                                                         | II                                                       | 4,50 | 4,20 | 3,20 | 2,50 | 2,10 | 1,80 | 1,60                                                                                   | 2,80 | 2,30 | 2,00 | 1,80 | 1,60 | 1,50 | 1,40 |  |
|                                                         | III                                                      | 4,50 | 4,20 | 3,20 | 2,50 | 2,10 | 1,80 | 1,60                                                                                   | 2,60 | 2,20 | 1,90 | 1,70 | 1,50 | 1,40 | 1,30 |  |
| 40                                                      | I                                                        | 4,50 | 4,50 | 4,10 | 3,30 | 2,80 | 2,40 | 2,10                                                                                   | 3,00 | 2,50 | 2,20 | 2,00 | 1,80 | 1,70 | 1,60 |  |
|                                                         | II                                                       | 4,50 | 4,50 | 4,10 | 3,30 | 2,80 | 2,40 | 2,10                                                                                   | 2,60 | 2,30 | 2,10 | 1,90 | 1,70 | 1,60 | 1,50 |  |
|                                                         | III                                                      | 4,50 | 4,50 | 4,10 | 3,30 | 2,80 | 2,40 | 2,10                                                                                   | 2,10 | 1,90 | 1,70 | 1,60 | 1,60 | 1,50 | 1,40 |  |
| 50                                                      | I                                                        | 4,50 | 4,50 | 4,50 | 4,10 | 3,40 | 2,90 | 2,60                                                                                   | 3,00 | 2,50 | 2,20 | 2,00 | 1,80 | 1,70 | 1,60 |  |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,10 | 3,40 | 2,90 | 2,60                                                                                   | 2,60 | 2,30 | 2,10 | 1,90 | 1,70 | 1,60 | 1,50 |  |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,10 | 3,40 | 2,90 | 2,60                                                                                   | 2,10 | 1,90 | 1,70 | 1,60 | 1,60 | 1,50 | 1,40 |  |
| 60                                                      | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,50 | 3,10                                                                                   | 4,20 | 3,50 | 3,00 | 2,70 | 2,50 | 2,30 | 2,20 |  |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,50 | 3,10                                                                                   | 4,00 | 3,30 | 2,90 | 2,60 | 2,40 | 2,20 | 2,10 |  |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,10 | 3,50 | 3,10                                                                                   | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 2,10 | 2,00 |  |
| 80                                                      | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,40                                                                                   | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 3,00 | 2,80 |  |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,40                                                                                   | 4,50 | 4,20 | 3,70 | 3,30 | 3,10 | 2,90 | 2,70 |  |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,40                                                                                   | 3,80 | 3,40 | 3,10 | 2,90 | 2,80 | 2,60 | 2,50 |  |
| 100                                                     | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,10 | 3,80 | 3,60 | 3,40 |  |
|                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50                                                                                   | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,40 | 3,20 |  |
|                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50 | 4,50                                                                                   | 4,10 | 3,70 | 3,40 | 3,20 | 3,10 | 3,00 | 2,80 |  |



# Panel constructivo

## Industrial panel

### OLIMPIA (PUR/PIR)



Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) with double steel sheets for cladding.*

Acabado exterior nervado

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1;-2) dB (PUR) y 26 (-1,-2)dB (PIR)

*Ribbed exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1;-2) dB (PUR) y 26 (-1,-2)dB (PIR)*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 1100                                                               | 1140                               | 8.000                                | 14.400                          |

No se recomienda la colocación en posición vertical para longitudes superiores a 8 m.  
*The installation in vertical position for lengths bigger than 8 m is not recommended.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |
|------------------------------|----------------------------------------------------------|------|
|                              | PUR                                                      | PIR  |
| 35                           | 0,73                                                     | 0,69 |
| 40                           | 0,66                                                     | 0,62 |
| 50                           | 0,52                                                     | 0,48 |
| 60                           | 0,45                                                     | 0,42 |
| 70                           | 0,37                                                     | -    |
| 80                           | 0,34                                                     | -    |
| 100                          | 0,26                                                     | -    |

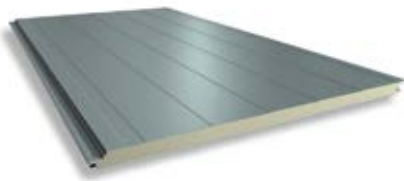
Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.

*For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74

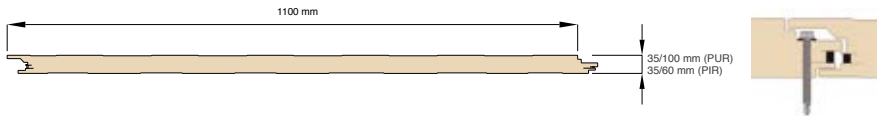


## OLIMPIA (PUR / PIR)



### Aplicaciones Scope

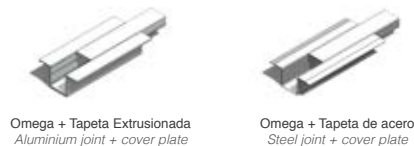
Fachadas industriales en disposición vertical u horizontal.  
Industrial façades in vertical or horizontal layout



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |       |
|---------------------------|---------------------|-------|
|                           | PUR                 | PIR   |
| 35                        | 10,00               | 10,04 |
| 40                        | 10,20               | 10,24 |
| 50                        | 10,59               | 10,64 |
| 60                        | 10,98               | 11,04 |
| 70                        | 11,37               | -     |
| 80                        | 11,76               | -     |
| 100                       | 12,54               | -     |

Peso en kg/m² del panel en espesor 0,5/0,5mm. Weight in kg/m² of panel in thickness 0,5/0,5mm

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR. Para una optimización con panel PIR consultar ficha técnica : [www.europerfil.com](http://www.europerfil.com)

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>ext</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>ext</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>ext</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

These values correspond to the PUR panel. For an optimization with PIR panel consult technical sheet : [www.europerfil.com](http://www.europerfil.com)

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>ext</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>ext</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>ext</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europerfil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de grapas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europerfil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                   | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----------------------------------|--------------------------------------------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR (1)<br>Cat. COLOR (1): | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |
| 35/40                          | I                                 | 2,90                                       | 2,40 | 2,00 | 1,80 | 1,60 | 1,30 | 1,20 | 2,90                                                | 2,40 | 2,00 | 1,80 | 1,60 | 1,40 | 1,30 |
|                                | II                                | 2,50                                       | 2,40 | 2,00 | 1,80 | 1,60 | 1,30 | 1,20 | 2,50                                                | 2,40 | 2,00 | 1,80 | 1,60 | 1,40 | 1,30 |
|                                | III                               | 1,90                                       | 1,90 | 1,90 | 1,80 | 1,60 | 1,30 | 1,20 | 1,90                                                | 1,90 | 1,90 | 1,80 | 1,60 | 1,40 | 1,30 |
| 50                             | I                                 | 3,80                                       | 3,10 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 3,80                                                | 3,10 | 2,70 | 2,40 | 2,10 | 1,90 | 1,70 |
|                                | II                                | 3,60                                       | 3,10 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 3,60                                                | 3,10 | 2,70 | 2,40 | 2,10 | 1,90 | 1,70 |
|                                | III                               | 2,70                                       | 2,70 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 2,70                                                | 2,70 | 2,70 | 2,40 | 2,10 | 1,90 | 1,70 |
| 60                             | I                                 | 4,30                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 4,30                                                | 3,60 | 3,10 | 2,70 | 2,40 | 2,20 | 2,00 |
|                                | II                                | 4,30                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 4,30                                                | 3,60 | 3,10 | 2,70 | 2,40 | 2,20 | 2,00 |
|                                | III                               | 3,30                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 3,30                                                | 3,30 | 3,10 | 2,70 | 2,40 | 2,20 | 2,00 |
| 70/80/100                      | I                                 | 4,40                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 4,50                                                | 3,60 | 3,10 | 2,80 | 2,60 | 2,30 | 2,00 |
|                                | II                                | 4,40                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 4,50                                                | 3,60 | 3,10 | 2,80 | 2,60 | 2,30 | 2,00 |
|                                | III                               | 3,80                                       | 3,20 | 2,40 | 1,90 | 1,60 | 1,30 | 1,20 | 3,80                                                | 3,60 | 3,10 | 2,80 | 2,60 | 2,30 | 2,00 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                   | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----------------------------------|--------------------------------------------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR (1)<br>Cat. COLOR (1): | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |
| 35/40                          | I                                 | 3,50                                       | 2,60 | 1,90 | 1,60 | 1,30 | 1,20 | 1,00 | 3,50                                                | 2,70 | 2,30 | 1,80 | 1,50 | 1,30 | 1,20 |
|                                | II                                | 3,50                                       | 2,60 | 1,90 | 1,60 | 1,30 | 1,20 | 1,00 | 3,10                                                | 2,70 | 2,00 | 1,60 | 1,30 | 1,20 | 1,00 |
|                                | III                               | 3,50                                       | 2,60 | 1,90 | 1,60 | 1,30 | 1,20 | 1,00 | 2,20                                                | 2,10 | 1,50 | 1,20 | 1,10 | 1,00 | N.T. |
| 50                             | I                                 | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 4,00                                                | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 |
|                                | II                                | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 3,10                                                | 2,30 | 1,70 | 1,40 | 1,20 | 1,10 | 1,00 |
|                                | III                               | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 2,30                                                | 1,60 | 1,30 | 1,10 | 1,00 | N.T. | N.T. |
| 60                             | I                                 | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 4,30                                                | 2,60 | 1,90 | 1,60 | 1,40 | 1,20 | 1,10 |
|                                | II                                | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 3,40                                                | 2,10 | 1,60 | 1,30 | 1,20 | 1,10 | 1,00 |
|                                | III                               | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,00 | 2,30                                                | 1,60 | 1,20 | 1,10 | 1,00 | N.T. | N.T. |
| 70/80/100                      | I                                 | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,10 | 3,90                                                | 2,50 | 1,90 | 1,60 | 1,30 | 1,20 | 1,10 |
|                                | II                                | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,10 | 3,00                                                | 1,90 | 1,50 | 1,30 | 1,20 | 1,00 | 1,00 |
|                                | III                               | 3,80                                       | 2,60 | 2,00 | 1,60 | 1,40 | 1,20 | 1,10 | 2,20                                                | 1,50 | 1,20 | 1,00 | N.T. | N.T. | N.T. |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                   | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |      |      |      |      |      |      | CARGA A SUCCIÓN (2)<br>NEGATIVE LOADS (2) (daN/m²): |      |      |      |      |      |      |
|--------------------------------|-----------------------------------|--------------------------------------------|------|------|------|------|------|------|-----------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR (1)<br>Cat. COLOR (1): | 50                                         | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                  | 75   | 100  | 125  | 150  | 175  | 200  |
| 35/40                          | I                                 | 3,40                                       | 2,70 | 2,10 | 1,70 | 1,40 | 1,20 | 1,00 | 3,40                                                | 2,70 | 2,20 | 1,90 | 1,70 | 1,50 | 1,40 |
|                                | II                                | 3,40                                       | 2,70 | 2,10 | 1,70 | 1,40 | 1,20 | 1,00 | 3,40                                                | 2,70 | 2,20 | 1,90 | 1,70 | 1,50 | 1,30 |
|                                | III                               | 3,40                                       | 2,70 | 2,10 | 1,70 | 1,40 | 1,20 | 1,00 | 2,40                                                | 2,20 | 2,00 | 1,90 | 1,60 | 1,40 | 1,20 |
| 50                             | I                                 | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 4,40                                                | 3,60 | 3,00 | 2,30 | 1,80 | 1,60 | 1,30 |
|                                | II                                | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 3,50                                                | 3,10 | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 |
|                                | III                               | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 2,10                                                | 2,00 | 1,90 | 1,80 | 1,40 | 1,20 | 1,00 |
| 60                             | I                                 | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 4,50                                                | 4,00 | 2,80 | 2,20 | 1,80 | 1,50 | 1,30 |
|                                | II                                | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 3,90                                                | 3,40 | 2,60 | 2,00 | 1,60 | 1,30 | 1,20 |
|                                | III                               | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 2,40                                                | 2,20 | 2,10 | 1,60 | 1,30 | 1,10 | 1,00 |
| 70/80/100                      | I                                 | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 4,40                                                | 3,80 | 2,80 | 2,10 | 1,70 | 1,50 | 1,30 |
|                                | II                                | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 3,10                                                | 2,80 | 2,50 | 1,90 | 1,50 | 1,30 | 1,10 |
|                                | III                               | 4,20                                       | 2,80 | 2,10 | 1,70 | 1,40 | 1,20 | 1,10 | 1,90                                                | 1,90 | 1,80 | 1,50 | 1,20 | 1,10 | N.T. |



# Panel constructivo

## Industrial panel

### RODAS



Panel sándwich aislante de poliuretano (PUR) o de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para cerramiento en fachada.

*Self-supporting double skin metal faced insulating polyurethane (PUR) or polyisocyanurate (PIR) with double steel sheets for cladding.*

Acabado exterior nervado

Poliuretano sin CFC's

Reacción al fuego B-s2,d0 (PUR) y B-s1,d0 (PIR) según normativa EN 13501-1

Aislamiento al ruido aéreo: 25 (-1;-1) dB

*Ribbed exterior finish*

*CFC-free polyurethane*

*Reaction to fire B-s2,d0 (PUR) and B-s1,d0 (PIR), according to EN 13501-1*

*Airborne sound insulation: 25 (-1; -1) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                 |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 600                                                                | 640                                | 8.000                                | 14.400                          |
| 900                                                                | 940                                | 8.000                                | 14.400                          |
| 1000                                                               | 1040                               | 8.000                                | 14.400                          |

No se recomienda su colocación en posición vertical para longitudes de panel RODAS superiores a 8 m.  
*It is not recommended to place it in an upright position for RODAS panel lengths greater than 8 m.*

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
*The maximum recommended length is only indicated as a recommendation for handling the material on site.*

| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |      |      |      |      |
|------------------------------|----------------------------------------------------------|------|------|------|------|------|
|                              | PUR                                                      |      |      | PIR  |      |      |
|                              | 600                                                      | 900  | 1000 | 600  | 900  | 1000 |
| 40                           | 0,77                                                     | 0,69 | 0,67 | 0,73 | 0,65 | 0,63 |
| 50                           | 0,60                                                     | 0,54 | 0,53 | 0,56 | 0,51 | 0,49 |
| 60                           | 0,53                                                     | 0,47 | 0,46 | 0,50 | 0,44 | 0,43 |
| 70                           | 0,43                                                     | 0,39 | 0,38 | 0,40 | 0,36 | 0,35 |
| 80                           | 0,39                                                     | 0,35 | 0,34 | -    | -    | -    |
| 100                          | 0,29                                                     | 0,26 | 0,26 | -    | -    | -    |

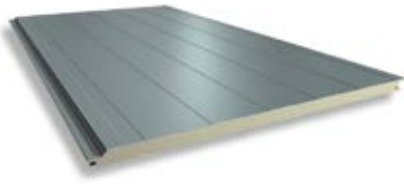
Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos:  
ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
*For correct installation, see instructions for installation on site. Colors and coatings:  
see EUROPERFIL color chart. The application of dark colors is not recommended.*

Ver leyenda de colores en pag. 74 See color legend on p. 74



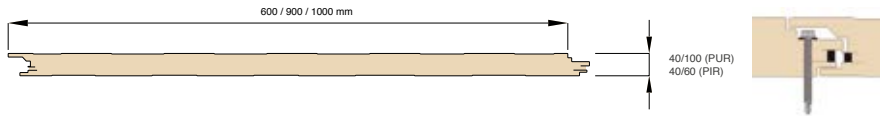


## RODAS (PUR / PIR)



### Aplicaciones Scope

Fachadas industriales en disposición vertical u horizontal.  
Industrial façades in vertical or horizontal layout



| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |            |            |             |             |             |
|---------------------------|---------------------|------------|------------|-------------|-------------|-------------|
|                           | 600<br>PUR          | 900<br>PIR | 900<br>PUR | 1000<br>PIR | 1000<br>PUR | 1000<br>PIR |
| 40                        | 10,78               | 10,82      | 10,33      | 11,37       | 10,23       | 10,27       |
| 50                        | 11,17               | 11,22      | 10,72      | 10,77       | 10,62       | 10,67       |
| 60                        | 11,56               | 11,62      | 11,11      | 11,17       | 11,01       | 11,07       |
| 70                        | 11,95               | -          | 11,50      | -           | 11,40       | -           |
| 80                        | 12,34               | -          | 11,89      | -           | 11,79       | -           |
| 100                       | 13,12               | -          | 12,67      | -           | 12,57       | -           |

Peso en kg/m² del panel en espesor 0,5/0,5mm. Weight in kg/m² of panel in thickness 0,5/0,5mm

Accesorios: Juntas EPDM, junta transversal en aluminio y en acero (ver en p.72) Accessories: EPDM joints, aluminium and steel transverse joint (see on p.72)



Junta transversal  
Vertical gasket seal "Y"



J. Transversal rellena  
Vertical gasket seal "T"



J. Longitudinal  
Horiz. gasket seal



Omega + Tapeta Extrusionada  
Aluminium joint + cover plate



Omega + Tapeta de acero  
Steel joint + cover plate

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

#### (1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>med</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>med</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>med</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

#### (1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>med</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>med</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>med</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (14.400 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (14,400 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europefil como cortesia comercial suministra plaquetas de reparto y fijaciones estándar con sus paneles sándwich de fachada, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de grapas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculadas por la ingeniería responsable del mismo.

Europefil supplies distribution plates and standard screws with façade sandwich panels as a commercial courtesy. We decline all responsibility referring its use. The density calculation of distribution plates and screws, and the type of screws must be dimensioned according to the requirements of the project and must be calculated by the Construction Management

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):                              |                                                          |      |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |
|---------------------------------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
| <div><div></div><div></div></div><br>CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²): |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                                                  | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                                                                              | I                                                        | 3,60 | 3,00 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 3,60                                                                      | 3,00 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |
|                                                                                 | II                                                       | 2,90 | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 | 2,90                                                                      | 2,90 | 2,70 | 2,40 | 2,20 | 2,10 | 1,90 |
|                                                                                 | III                                                      | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 | 2,10                                                                      | 2,10 | 2,10 | 2,10 | 2,10 | 2,10 | 1,90 |
| 50                                                                              | I                                                        | 4,20 | 3,60 | 3,20 | 2,90 | 2,60 | 2,50 | 2,30 | 4,20                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,50 | 2,30 |
|                                                                                 | II                                                       | 3,60 | 3,60 | 3,20 | 2,90 | 2,60 | 2,50 | 2,30 | 3,60                                                                      | 3,60 | 3,20 | 2,90 | 2,60 | 2,50 | 2,30 |
|                                                                                 | III                                                      | 2,70 | 2,70 | 2,70 | 2,70 | 2,60 | 2,50 | 2,30 | 2,70                                                                      | 2,70 | 2,70 | 2,70 | 2,60 | 2,50 | 2,30 |
| 60                                                                              | I                                                        | 4,50 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 | 4,50                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 |
|                                                                                 | II                                                       | 4,40 | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 | 4,40                                                                      | 4,10 | 3,60 | 3,30 | 3,00 | 2,80 | 2,60 |
|                                                                                 | III                                                      | 3,30 | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 | 3,30                                                                      | 3,30 | 3,30 | 3,30 | 3,00 | 2,80 | 2,60 |
| 70/80                                                                           | I                                                        | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                                      | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |
|                                                                                 | II                                                       | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 | 4,50                                                                      | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 3,00 |
|                                                                                 | III                                                      | 3,80 | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 | 3,80                                                                      | 3,80 | 3,80 | 3,70 | 3,40 | 3,20 | 3,00 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):                                                      |                                                          |      |      |      |      |      |      |      |                                                                                        |      |      |      |      |      |      |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| <div><div></div><div></div><div></div></div><br>CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                                                                          | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                                     | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                                                                                                      | I                                                        | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                                   | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
|                                                                                                         | II                                                       | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                                   | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
|                                                                                                         | III                                                      | 4,50 | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 | 4,50                                                                                   | 3,80 | 3,30 | 3,00 | 2,70 | 2,40 | 2,30 |
| 50                                                                                                      | I                                                        | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |
|                                                                                                         | II                                                       | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |
|                                                                                                         | III                                                      | 4,50 | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 | 4,50                                                                                   | 4,50 | 3,90 | 3,50 | 3,20 | 2,90 | 2,70 |
| 60                                                                                                      | I                                                        | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 4,50                                                                                   | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 |
|                                                                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 4,50                                                                                   | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 |
|                                                                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 | 4,50                                                                                   | 4,50 | 4,50 | 4,10 | 3,70 | 3,40 | 3,20 |
| 70/80                                                                                                   | I                                                        | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |
|                                                                                                         | II                                                       | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |
|                                                                                                         | III                                                      | 4,50 | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,30 | 4,50                                                                                   | 4,50 | 4,50 | 4,50 | 4,20 | 3,80 | 3,60 |

| LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):                                    |                                                          |      |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |
|---------------------------------------------------------------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|---------------------------------------------------------------------------|------|------|------|------|------|------|
|  |                                                          |      |      |      |      |      |      |      |                                                                           |      |      |      |      |      |      |
| CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m²):                                            |                                                          |      |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m²): |      |      |      |      |      |      |
| Esp. PANEL<br>PANEL Thk. (mm):                                                        | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 50                                                                        | 75   | 100  | 125  | 150  | 175  | 200  |
| 40                                                                                    | I                                                        | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |
|                                                                                       | II                                                       | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |
|                                                                                       | III                                                      | 4,30 | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 | 4,30                                                                      | 3,60 | 3,20 | 2,80 | 2,60 | 2,40 | 2,20 |
| 50                                                                                    | I                                                        | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
|                                                                                       | II                                                       | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
|                                                                                       | III                                                      | 4,50 | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 | 4,50                                                                      | 4,30 | 3,80 | 3,40 | 3,10 | 2,90 | 2,70 |
| 60                                                                                    | I                                                        | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
|                                                                                       | II                                                       | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
|                                                                                       | III                                                      | 4,50 | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 | 4,50                                                                      | 4,50 | 4,30 | 3,90 | 3,60 | 3,30 | 3,10 |
| 70/80                                                                                 | I                                                        | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |
|                                                                                       | II                                                       | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |
|                                                                                       | III                                                      | 4,50 | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 | 4,50                                                                      | 4,50 | 4,50 | 4,40 | 4,00 | 3,70 | 3,50 |



Galga y Rodillo



Junta



Grapa  
arranque



Film  
Protector

# Panel frigorífico

## Cold storage panel

### ARTIC 1075/1150 (PIR)



Panel sándwich aislante de poliisocianurato (PIR) autoportante con doble cobertura metálica de acero destinado para paredes y techos interiores de cámaras frigoríficas.

*Self-supporting double skin metal faced insulating polyisocyanurate (PIR) sandwich panel, with double steel sheets for cold storage cladding.*

Acabado exterior nervado  
Poliuretano sin CFC's  
Reacción al fuego B-s1,d0 (PIR) según normativa EN 13501-1  
Aislamiento al ruido aéreo: 25 (-2;-4) dB

*Ribbed exterior finish  
CFC-free polyurethane  
Reaction to fire B-s1,d0 (PIR), according to EN 13501-1  
Airborne sound insulation: 25 (-2; -4) dB*

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                    |                                      |                                  |
|--------------------------------------------------------------------|------------------------------------|--------------------------------------|----------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH<br>(mm) | LONGITUDES LENGTHS (mm)              |                                  |
|                                                                    |                                    | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profilled |
| 1075                                                               | 1095                               | 8.000                                | 18.000                           |
| 1150                                                               | 1170                               | 8.000                                | 18.000                           |

La longitud máxima recomendada solo viene motivada por razones de manipulación en obra.  
The maximum recommended length is only indicated as a recommendation for handling the material on site.

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
For correct installation, see assembly and commissioning instructions. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.

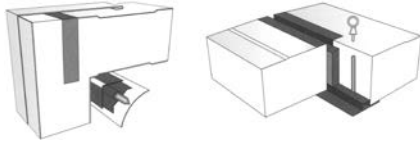
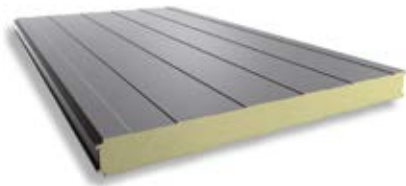
| ESPESOR<br>THICKNESS<br>(mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |      |                                |      |                                   |      |
|------------------------------|----------------------------------------------------------|------|--------------------------------|------|-----------------------------------|------|
|                              | PIR                                                      |      |                                |      |                                   |      |
|                              | HORIZONTAL<br>1075 1150                                  |      | ASCENDENTE UPWARD<br>1075 1150 |      | DESCENDENTE DOWNWARD<br>1075 1150 |      |
| 60                           | 0,35                                                     | 0,35 | 0,36                           | 0,36 | 0,35                              | 0,35 |
| 80                           | 0,27                                                     | 0,27 | 0,27                           | 0,27 | 0,27                              | 0,27 |
| 100                          | 0,21                                                     | 0,21 | 0,22                           | 0,22 | 0,21                              | 0,21 |
| 120                          | 0,18                                                     | 0,18 | 0,18                           | 0,18 | 0,18                              | 0,18 |
| 150                          | 0,15                                                     | 0,15 | 0,15                           | 0,15 | 0,15                              | 0,15 |
| 200                          | 0,11                                                     | 0,11 | 0,11                           | 0,11 | 0,11                              | 0,11 |

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.

Ver leyenda de colores en pag. 74 See color legend on p. 74



## ARTIC (PIR)

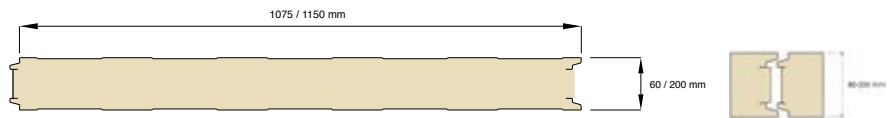


### Aplicaciones Scope

Cámaras frigoríficas  
Cold storage

| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m <sup>2</sup> ) |          |
|---------------------------|----------------------------------|----------|
|                           | 1075 PIR                         | 1150 PIR |
| 60                        | 11,05                            | 11,05    |
| 80                        | 11,89                            | 11,89    |
| 100                       | 12,73                            | 12,73    |
| 120                       | 13,57                            | 13,57    |
| 150                       | 14,83                            | 14,83    |
| 200                       | 16,93                            | 16,93    |

Peso en kg/m<sup>2</sup> del panel PIR en espesor de 0,5/0,5 mm.  
Weight in kg/m<sup>2</sup> of panel PIR in thickness of 0.5 / 0.5 mm.



### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                                          | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 25                                                      | 50   | 75   | 100  | 125  | 150  | 175  | 25                                                                                     | 50   | 75   | 100  | 125  | 150  | 175  |
| 60                             | I                                                        | 4,50                                                    | 3,90 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 | 4,50                                                                                   | 3,90 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 |
|                                | II                                                       | 4,40                                                    | 3,90 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 | 4,40                                                                                   | 3,90 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 |
|                                | III                                                      | 3,30                                                    | 3,30 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 | 3,30                                                                                   | 3,30 | 3,10 | 2,60 | 2,20 | 1,90 | 1,70 |
| 80                             | I                                                        | 4,50                                                    | 4,50 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 |
|                                | III                                                      | 4,40                                                    | 4,40 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 | 4,40                                                                                   | 4,40 | 3,90 | 3,30 | 2,80 | 2,40 | 2,00 |
| 100                            | I                                                        | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
| 120                            | I                                                        | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
| 150                            | I                                                        | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
| 200                            | I                                                        | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,40 | 2,00 |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):

|                                |                                                          | CARGA A PRESIÓN<br>POSITIVE LOAD (daN/m <sup>2</sup> ): |      |      |      |      |      |      | CARGA A SUCCIÓN <sup>(2)</sup><br>NEGATIVE LOADS <sup>(2)</sup> (daN/m <sup>2</sup> ): |      |      |      |      |      |      |
|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------------------------------------------|------|------|------|------|------|------|
| Esp. PANEL<br>PANEL Thk. (mm): | Cat. COLOR <sup>(1)</sup><br>Cat. COLOR <sup>(1)</sup> : | 25                                                      | 50   | 75   | 100  | 125  | 150  | 175  | 25                                                                                     | 50   | 75   | 100  | 125  | 150  | 175  |
| 60                             | I                                                        | 4,50                                                    | 4,50 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 | 4,50                                                                                   | 4,50 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 |
|                                | II                                                       | 4,50                                                    | 4,50 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 | 4,50                                                                                   | 4,50 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 |
|                                | III                                                      | 4,50                                                    | 4,50 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 | 4,50                                                                                   | 4,40 | 3,40 | 2,70 | 2,30 | 2,00 | 1,70 |
| 80                             | I                                                        | 4,50                                                    | 4,50 | 3,90 | 3,00 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,50 | 4,30 | 3,50 | 3,00 | 2,60 | 2,20 |
|                                | II                                                       | 4,50                                                    | 4,50 | 3,90 | 3,00 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,40 | 4,10 | 3,40 | 2,70 | 2,30 | 2,10 |
|                                | III                                                      | 4,50                                                    | 4,50 | 3,90 | 3,00 | 2,50 | 2,10 | 1,80 | 3,60                                                                                   | 3,40 | 3,30 | 2,80 | 2,40 | 2,00 | 1,80 |
| 100                            | I                                                        | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,50 | 4,50 | 3,60 | 2,90 | 2,50 | 2,20 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,50 | 4,30 | 3,20 | 2,60 | 2,30 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,00                                                                                   | 3,80 | 3,40 | 2,70 | 2,30 | 2,00 | 1,80 |
| 120                            | I                                                        | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,50 | 4,50 | 3,50 | 2,90 | 2,50 | 2,20 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,50                                                                                   | 4,50 | 4,00 | 3,10 | 2,60 | 2,20 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,00 | 3,10 | 2,50 | 2,10 | 1,80 | 4,40                                                                                   | 4,20 | 3,20 | 2,60 | 2,20 | 1,90 | 1,70 |
| 150                            | I                                                        | 4,50                                                    | 4,50 | 4,10 | 3,10 | 2,50 | 2,10 | 1,90 | 4,50                                                                                   | 4,50 | 4,40 | 3,40 | 2,80 | 2,40 | 2,20 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,10 | 3,10 | 2,50 | 2,10 | 1,90 | 4,50                                                                                   | 4,50 | 3,80 | 3,00 | 2,50 | 2,20 | 2,00 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,10 | 3,10 | 2,50 | 2,10 | 1,90 | 3,80                                                                                   | 3,70 | 3,00 | 2,50 | 2,10 | 1,90 | 1,70 |
| 200                            | I                                                        | 4,50                                                    | 4,50 | 4,10 | 3,20 | 2,60 | 2,20 | 1,90 | 4,50                                                                                   | 4,50 | 4,10 | 3,30 | 2,70 | 2,40 | 2,10 |
|                                | II                                                       | 4,50                                                    | 4,50 | 4,10 | 3,20 | 2,60 | 2,20 | 1,90 | 4,50                                                                                   | 4,50 | 3,50 | 2,80 | 2,40 | 2,20 | 1,90 |
|                                | III                                                      | 4,50                                                    | 4,50 | 4,10 | 3,20 | 2,60 | 2,20 | 1,90 | 4,50                                                                                   | 3,70 | 2,70 | 2,30 | 2,10 | 1,90 | 1,70 |



### NOTAS NOTES

Las tablas de cargas corresponden al panel PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>ext</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>ext</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>ext</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>ext</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>ext</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>ext</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (18.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature, up to the maximum profile length (18,000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

# Panel agro

## Agricultural panel

### NEREO (PUR)



Panel sándwich aislante de poliuretano (PUR) autoportante con cobertura exterior metálica de acero y membrana sintética LSU interior, destinado para cerramiento en cubierta par a el sector agropecuario.

*Self-supporting insulating polyurethane (PUR) sandwich panel, metal faced on upper side and a LSU synthetic membrane on below side, for roofing of agricultural buildings.*

Poliuretano sin CFC's  
CFC-free polyurethane

| CARACTERÍSTICAS DE FABRICACIÓN MANUFACTURING CHARACTERISTICS (mm): |                                 |                                      |                                 |
|--------------------------------------------------------------------|---------------------------------|--------------------------------------|---------------------------------|
| ANCHO ÚTIL<br>COVER WIDTH<br>(mm)                                  | ANCHO TOTAL<br>TOTAL WIDTH (mm) | LONGITUDES LENGTHS (mm)              |                                 |
|                                                                    |                                 | Máx. Recomendada<br>Max. Recommended | Máx. Perfilado<br>Max. Profiled |
| 1000                                                               | 1025                            | 8.000                                | 12.000                          |

| ESPESOR<br>THICKNESS (mm) | TRANSMITANCIA TÉRMICA U<br>THERMAL TRANSMITTANCE (W/m²K) |                      |
|---------------------------|----------------------------------------------------------|----------------------|
|                           | ASCENDENTE UPWARD                                        | DESCENDENTE DOWNWARD |
| 30                        | 0,88                                                     | 0,82                 |
| 40                        | 0,65                                                     | 0,64                 |
| 50                        | 0,53                                                     | 0,52                 |

Con el panel NEREO se suministra grapa.  
Fastening plate and screws are supplied with the Nereo sandwich panel.

Para una correcta instalación, ver instrucciones de montaje y puesta en obra. Colores y revestimientos: ver carta de colores de EUROPERFIL. No se recomienda la aplicación de colores oscuros.  
For correct installation, see instructions for installation on site. Colors and coatings: see EUROPERFIL color chart. The application of dark colors is not recommended.





## NEREO (PUR)



### Aplicaciones Scope

Cubiertas de instalaciones agropecuarias (pendiente mínima recomendada del 7%)  
Agricultural and zootechnical roofs (7% minimum slope)

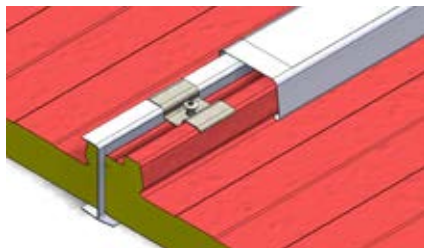


| ESPESOR<br>THICKNESS (mm) | PESO WEIGHT (kg/m²) |
|---------------------------|---------------------|
| 30                        | 6,58                |
| 40                        | 6,98                |
| 50                        | 7,38                |

Peso del panel en Kg/m² en espesor exterior de 0,5mm.  
Weight in kg/m² of panel in external sheet thickness of 0,5mm



T invertida PVC  
Inverted T PVC



Sistema de montaje Mounting system

### NOTAS NOTES

Las tablas de cargas corresponden al panel PUR y PIR

COEFICIENTES DE CARGA APLICADOS: 1.50

(1) GRUPOS DE COLORES

- I: Colores muy claros (RG = 75-90 y T<sup>ext</sup> = + 55 °C)
- II: Colores claros (RG = 40-74 y T<sup>ext</sup> = + 65 °C)
- III: Colores oscuros (RG = 8-39 y T<sup>ext</sup> = + 80 °C)

Ver clasificación en página 74

(2) Valores admisibles del panel. En función de la fijación a utilizar y del soporte, éstos pueden verse reducidos.  
Criterio de flecha L/200

Load table values correspond to PUR and PIR panel.

Load factor for variable actions: 1.50

(1) Colour groups

- I: Very light colors (RG = 75-90 and T<sup>ext</sup> = + 55 °C)
- II: Clear colors (RG = 40-74 and T<sup>ext</sup> = + 65 °C)
- III: Dark colors (RG = 8-39 and T<sup>ext</sup> = + 80 °C)

See classification on page 74

(2) Maximum permissible span of the panel. Depending on the fixing type they could be lower.  
Deflection L / 200

En los pedidos donde se requiera suministrar el panel en su longitud máxima y admisible de fabricación, EUROPERFIL dispone de los medios y utillaje necesario en sus instalaciones de Cervera, para poder fabricar y cargar el producto, en las condiciones de calidad que exige nuestra propia firma, hasta la longitud máxima de perfilado (12.000 mm). Se deberán prever en obra los medios adecuados para su descarga y montaje.

In orders where it is required to supply the panel in its maximum and permissible length of manufacture, EUROPERFIL has the means and tools necessary in its Cervera facilities, in order to be able to manufacture and load the product, under the quality conditions required by our own signature. Up to the maximum profile length (12,000 mm). The customer is responsible to provide the equipment and labor to unload and install the products on site.

Europefil como cortesía comercial suministra grapas de sujeción y fijaciones estándar con sus paneles sándwich de cubierta, a razón de una grapa y un tornillo por cada m² de panel, aunque declina toda responsabilidad en su uso. Los cálculos de la densidad de grapas y fijaciones, así como el tipo de fijación dependen de cada proyecto y deben ser calculados por la ingeniería responsable del mismo. Además también se suministra una pieza de PVC blanca, denominada "T invertida" a razón de X ml por cada X ml de panel.

As a commercial courtesy, Europefil supplies fastening plates and standard screws with façade sandwich panels, at the rate of one plate and one screw per m² of panel, although it declines all responsibility for their use. The calculations of the density of plates and screws, as well as the type of fixing depend on each project and must be calculated by the engineering responsible for it.

In addition, a white PVC piece is also supplied, called "inverted T" at a rate of X ml for each X ml of panel.

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):



### CARGA A PRESIÓN POSITIVE LOAD (daN/m²):

| Esp. PANEL<br>PANEL Thk. (mm): | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| 30                             | 334  | 212  | 146  | 106  | 80   | 63   | 50   | 40   | 33   |
| 40                             | 352  | 223  | 154  | 112  | 84   | 66   | 52   | 43   | 35   |
| 50                             | 395  | 251  | 173  | 126  | 95   | 74   | 59   | 48   | 40   |

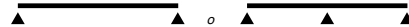
### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):



### CARGA A PRESIÓN POSITIVE LOAD (daN/m²):

| Esp. PANEL<br>PANEL Thk. (mm): | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| 30                             | 593  | 376  | 259  | 188  | 142  | 112  | 88   | 71   | 58   |
| 40                             | 625  | 396  | 273  | 199  | 149  | 117  | 92   | 76   | 62   |
| 50                             | 702  | 446  | 307  | 224  | 168  | 131  | 104  | 85   | 71   |

### LUZ MÁXIMA ADMISIBLE MAXIMUM PERMISSIBLE SPAN (m):



### CARGA A SUCCIÓN (2) NEGATIVE LOADS (2) (daN/m²):

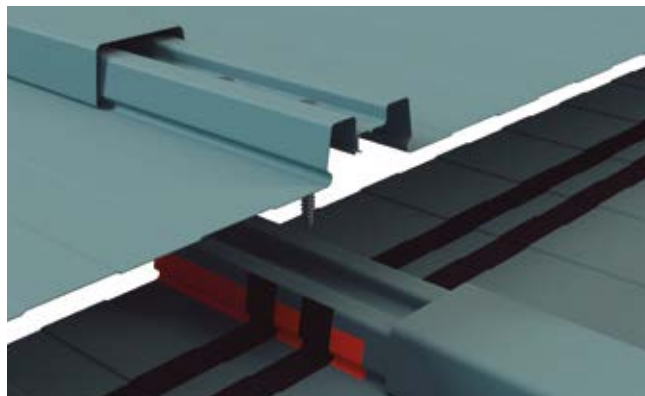
| Esp. PANEL<br>PANEL Thk. (mm): | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| 30                             | 664  | 423  | 293  | 214  | 163  | 128  | 103  | 84   | 70   |
| 40                             | 726  | 463  | 320  | 234  | 178  | 140  | 112  | 92   | 77   |
| 50                             | 775  | 494  | 342  | 250  | 190  | 149  | 120  | 98   | 82   |



### SOLAPE EN PANEL DELFOS OVERLAP DELFOS PANEL

Suministro de panel Delfos con un corte en la chapa interior y en la espuma para facilitar el solape con otro panel de cubierta aguas abajo. Suministro bajo pedido de solape con banda plástica para facilitar el retiro de la espuma.

*Delfos sandwich panel supply with a cut in their inner metal sheet and the foam core in order to easily overlap the panel with the other panel downstream. Sandwich panel overlap with plastic film to easily remove the foam can be supplied on request.*



### JUNTAS DE EPDM EPDM GASKET SEAL

Juntas de EPDM de aplicación en paneles de fachada en posición longitudinal y transversal: Olimpia, Etna, Galatea, Nilho, Rodas y Ática.

*EPDM joints for application in longitudinal and transversal facade panels: Olimpia, Etna, Galatea, Nilho, Rodas and Ática.*



Junta transversal  
Vertical gasket seal "Y"



J. Transversal rellena  
Vertical gasket seal "T"



J. Longitudinal  
Horiz. gasket seal



Junta transversal  
Transverse gasket seal



Junta longitudinal Etna Advance  
Horizontal gasket seal Etna Advance



Junta transversal para panel sandwich  
Transverse gasket seal for sandwich panel

### JUNTAS DE EPDM (Panel PRO/ADVANCE) EPDM GASKET SEAL (PRO/ADVANCE Panel)

Juntas de EPDM de aplicación en fachadas de Panel ETNA Advance en posición longitudinal y transversal.

*EPDM joints for application on façades of ETNA Advance Panel in longitudinal and transverse position.*

### JUNTAS DE ALUMINIO O ACERO ALUMINUM OR STEEL JOINTS

Omega y tapeta de aluminio extrusionado o de acero para la unión transversal en fachadas con panel (Olimpia, Etna, Galatea, Nilho, Rodas y Ática). Posibilidad de fabricar la junta en acero.

*Omega and plated aluminum plated for the transverse union on panel façades (Olimpia, Etna, Galatea, Nilho, Rodas and Ática.). It is possible to manufacture the joint in steel.*



### GALGA Y RODILLO GAUGE AND ROLLER

Uillaje de apoyo para la instalación del paneles de fachada y junta transversal. Se suministran 2 imanes y un rodillo.

*A support tool used to install facade panels and transverse joints. (Europerfil supplies two gauges and one roller)*



### TAPETA DE PANEL FOAM FILLER

Tapeta para ocultar en canto del Panel Delfos. Se suministra 1 tapeta con 4 tornillos tipo bis y 4 tacos.

*A cap to cover the edge of a Delfos panel. 1 cover cap is supplied with 4 bis screws and 4 wall plugs.*



### GRAPA DE ARRANQUE

#### ANCHOR CLIP

Grapa de soporte necesaria para la colocación/sujeción de las piezas inferiores de panel de fachada en posición horizontal. (Para todos los groesos de panel).

*The support plate needed to secure the parts under a facade panel in horizontal position. (For all panel thicknesses).*



### GRAPA DE REPARTO

#### DISTRIBUTION PLATE

Aumenta el área resistente a pullover (desbotonamiento) de la fijación del panel de fachada y establecer la correcta ubicación en caso de colocar más de una fijación.

*A steel plate that increases the area resistant to pullover when securing the facade panel and establishing the correct location if installing more than one.*



### GRAPA DE PANEL

#### FASTENING PLATE

Grapa utilizada para una mejor fijación del panel de cubierta a la estructura. Asegura una correcta colocación de la fijación. Aporta robustez al punto de anclaje.

*Plate used for a better fixing of roof sandwich panel to the structure. Ensures a correct placement of screws and provides strength to fastenings.*

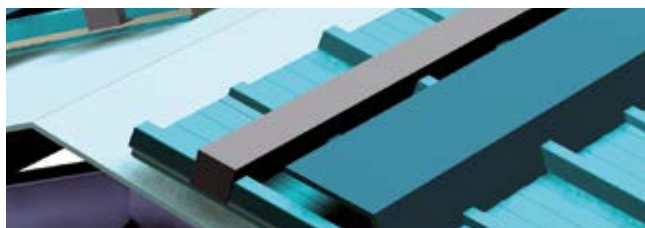


### JUNTA ESTANCA

#### SEALING JOINT

Junta de espuma de polietileno que se emplea para proporcionar estanqueidad al polvo, al aire o frente a la humedad en los encuentros de entre el panel Delfos y el remate de cumbre.

*Polyethylene foam joint used to provide sealing from dust, air or moisture between a Delfos panel and the ridge finishing.*

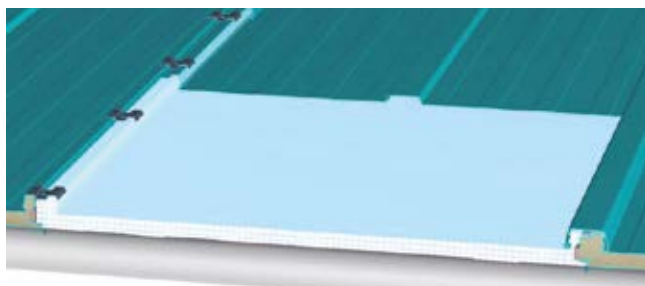


### POLICARBONATO PARA PANEL DELFOS

#### POLYCARBONATE FOR PANEL DELFOS SANDWICH PANEL

Policarbonato celular con forma de panel Delfos para iluminación de cubierta. Se suministra con los tapajuntas, grapas y tornillos necesarios.

*Cellular polycarbonate with panel form Delfos for natural deck lighting. It is supplied with the necessary flashing, staples and screws.*

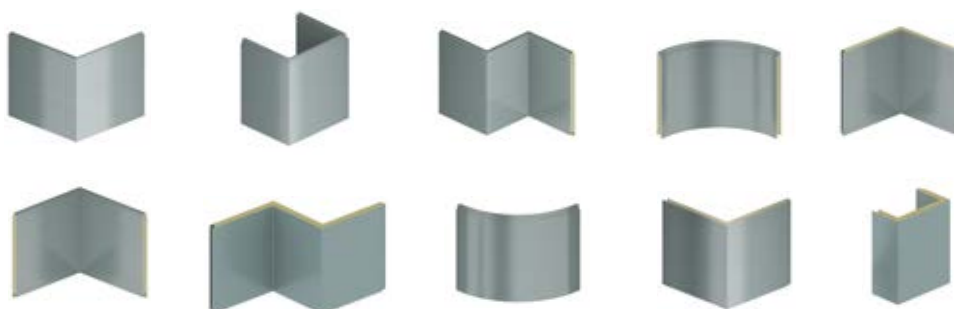


### ESQUINAS DE PANEL

#### PANEL CORNERS

Esquinas de panel entrantes o salientes y en posición vertical u horizontal. Disponible para paneles Etna, Galatea, Ática y Nilho.

*Incoming or outgoing panel corners and in vertical or horizontal position. Available for panels Etna, Galatea, Attica and Nilho.*



## INFORMACIÓN ADICIONAL

### ADDITIONAL INFORMATION

#### 1. Clasificación de colores RAL según el grado de reflexión relativo al óxido de magnesio (=100%)

*RAL color classification according to the degree of reflection relative to magnesium oxide (= 100%)*

Esta tabla es orientativa. La clasificación de colores puede variar en función del recubrimiento orgánico del material. Consultar otros colores fuera de la carta RAL.

*This table is for guidance only. The color classification may vary depending on the organic coating of the material.*

*Consult other colors non included in the RAL chart.*

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| RAL 1000 | RAL 1001 | RAL 1002 | RAL 1003 | RAL 1004 | RAL 1005 | RAL 1006 | RAL 1007 | RAL 1011 | RAL 1012 | RAL 1013 | RAL 1014 | RAL 1015 | RAL 1016 | RAL 1017 | RAL 1018 | RAL 1019 | RAL 1020 |
| RAL 1021 | RAL 1023 | RAL 1024 | RAL 1026 | RAL 1027 | RAL 1028 | RAL 1032 | RAL 1033 | RAL 1034 | RAL 2000 | RAL 2001 | RAL 2002 | RAL 2003 | RAL 2004 | RAL 2005 | RAL 2007 | RAL 2008 | RAL 2009 |
| RAL 2010 | RAL 2011 | RAL 2012 | RAL 3000 | RAL 3001 | RAL 3002 | RAL 3003 | RAL 3004 | RAL 3005 | RAL 3007 | RAL 3009 | RAL 3011 | RAL 3012 | RAL 3013 | RAL 3014 | RAL 3015 | RAL 3016 | RAL 3017 |
| RAL 3018 | RAL 3020 | RAL 3022 | RAL 3024 | RAL 3026 | RAL 3027 | RAL 3031 | RAL 4001 | RAL 4002 | RAL 4003 | RAL 4004 | RAL 4005 | RAL 4006 | RAL 4007 | RAL 4008 | RAL 4009 | RAL 4010 | RAL 5001 |
| RAL 5002 | RAL 5003 | RAL 5004 | RAL 5005 | RAL 5007 | RAL 5008 | RAL 5009 | RAL 5010 | RAL 5011 | RAL 5012 | RAL 5013 | RAL 5014 | RAL 5015 | RAL 5017 | RAL 5018 | RAL 5019 | RAL 5020 | RAL 5022 |
| RAL 5023 | RAL 5024 | RAL 6000 | RAL 6001 | RAL 6002 | RAL 6003 | RAL 6004 | RAL 6005 | RAL 6006 | RAL 6007 | RAL 6008 | RAL 6010 | RAL 6011 | RAL 6012 | RAL 6013 | RAL 6014 | RAL 6015 | RAL 6016 |
| RAL 6017 | RAL 6018 | RAL 6019 | RAL 6020 | RAL 6021 | RAL 6022 | RAL 6024 | RAL 6025 | RAL 6026 | RAL 6027 | RAL 6028 | RAL 6029 | RAL 6032 | RAL 6033 | RAL 6034 | RAL 7000 | RAL 7001 | RAL 7002 |
| RAL 7003 | RAL 7004 | RAL 7005 | RAL 7006 | RAL 7008 | RAL 7009 | RAL 7010 | RAL 7011 | RAL 7012 | RAL 7013 | RAL 7015 | RAL 7016 | RAL 7021 | RAL 7022 | RAL 7023 | RAL 7024 | RAL 7026 | RAL 7030 |
| RAL 7031 | RAL 7032 | RAL 7033 | RAL 7034 | RAL 7035 | RAL 7036 | RAL 7037 | RAL 7038 | RAL 7039 | RAL 7040 | RAL 7042 | RAL 7043 | RAL 7044 | RAL 7045 | RAL 7046 | RAL 7047 | RAL 8000 | RAL 8001 |
| RAL 8002 | RAL 8003 | RAL 8004 | RAL 8007 | RAL 8008 | RAL 8011 | RAL 8012 | RAL 8014 | RAL 8015 | RAL 8016 | RAL 8017 | RAL 8019 | RAL 8022 | RAL 8023 | RAL 8024 | RAL 8025 | RAL 8028 | RAL 9001 |
| RAL 9002 | RAL 9003 | RAL 9004 | RAL 9005 | RAL 9006 | RAL 9007 | RAL 9010 | RAL 9011 | RAL 9016 | RAL 9017 | RAL 9018 |          |          |          |          |          |          |          |

|                     |                  |                    |                       |                   |                   |
|---------------------|------------------|--------------------|-----------------------|-------------------|-------------------|
| COLOR MUY CLARO (I) | COLOR CLARO (II) | COLOR OSCURO (III) | VERY LIGHT COLORS (I) | CLEAR COLORS (II) | DARK COLORS (III) |
|---------------------|------------------|--------------------|-----------------------|-------------------|-------------------|

#### 2. Leyenda de las tablas de transmitancia térmica de nuestros paneles (páginas 50 a 69)

*Legend of the thermal transmittance tables of our panels (pages 50 a 69)*

Los valores de coeficiente de transmitancia térmica, llevan incorporados la transmitancia lineal de la junta y s/norma EN-ISO 10211.

*The values of coefficient of thermal transmittance, incorporate the linear transmittance of the joint s/ norm EN-ISO 10211.*











## Placas aislantes PIR

PIR Insulation Boards



## EUROAISLANTE VELO DE VIDRIO FIBERGLASS

Placa aislante PIR  
PIR Insulation board



| Peso Weight (km/m <sup>2</sup> )                                         | Espesor Thickness (mm) |      |      |      |                    |
|--------------------------------------------------------------------------|------------------------|------|------|------|--------------------|
|                                                                          | 40                     | 50   | 60   | 80   | 100 <sup>(3)</sup> |
| Ancho Width: 1.200 mm <sup>(1)</sup><br>1.190 mm <sup>(2)</sup>          |                        |      |      |      |                    |
| Longitud Length:<br>2.500 <sup>(1)</sup> mm /<br>2.225 <sup>(2)</sup> mm | 1,28                   | 1,60 | 1,92 | 2,56 | 3,20               |

Longitud máx. / Max. Length: 7.000 mm

(1) Std. para envíos terrestres (otras medidas, consultar).

Std. for road shipments. (Ask for other sizes).

(2) Std. para envíos marítimos (otras medidas, consultar).

Std. for sea shipments. (Ask for other sizes).

(3) Espesores superiores, a consultar. Ask for bigger thicknesses.

Panel aislante de espuma rígida de poliisocianurato (PIR) recubierta, con velo de vidrio en ambas caras, para uso como aislamiento térmico en edificación como soporte de la impermeabilización en cubiertas metálicas tipo deck.

*Insulation board with a core of rigid polyurethane (PIR) foam covered with mineral coating on glass veil on both sides, used as a thermal insulation for buildings in warm flat roofs under membrane waterproofing systems.*

| CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES                                                                 |                                                                          |                                                                                                                                                                                                                                  |                                                                                                                                              |                                                                                                        |  |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|
| CONCEPTO CONCEPT                                                                                            | SÍMBOLO SYMBOL                                                           | VALOR DECLARADO ± Tolerancia DECLARED VALUE ± Tolerance:                                                                                                                                                                         | UDS. UNIT                                                                                                                                    | OBSERVACIONES NOTES                                                                                    |  |
| Rectangularidad Squareness                                                                                  | S <sub>b</sub>                                                           | < 5                                                                                                                                                                                                                              | mm/m                                                                                                                                         | Long+Anch. L+W                                                                                         |  |
| Planicidad Flatness                                                                                         | S <sub>máx.</sub>                                                        | ≤ 10                                                                                                                                                                                                                             | mm                                                                                                                                           | Longitud Length                                                                                        |  |
| Conductividad térmica Thermal conductivity                                                                  | λ <sub>D</sub>                                                           | 0,027<br>0,026                                                                                                                                                                                                                   | W/m <sup>2</sup> K                                                                                                                           | Esp. Thk. ≤ 60 mm<br>Esp. Thk. > 80 mm                                                                 |  |
| Resistencia térmica Thermal resistance                                                                      | R <sub>D</sub>                                                           | 1,45<br>1,85<br>2,20<br>3,05<br>3,85                                                                                                                                                                                             | m <sup>2</sup> K/W                                                                                                                           | Esp. Thk. = 40 mm<br>Esp. Thk. = 50 mm<br>Esp. Thk. = 60 mm<br>Esp. Thk. = 80 mm<br>Esp. Thk. = 100 mm |  |
| Estabilidad dimensional Dimensional stability<br>(en cond. especif. Under specified conditions: de HR y T*) | Δε <sub>L</sub><br>Δε <sub>b</sub><br>Δε <sub>d</sub><br>Δε <sub>d</sub> | Δε <sub>L</sub> ≤ 2 <sup>(4)</sup><br>Δε <sub>b</sub> ≤ 2 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 6 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 1 <sup>(4)</sup><br>Δε <sub>b</sub> ≤ 1 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 4 <sup>(4)</sup> | ≤ 0,5 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 2,0 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 2,0 <sup>(5)</sup> | %<br><br><br><br><br><br>Esp. Thk. < 80 mm<br><br><br><br>Esp. Thk. ≥ 80 mm                            |  |
| Tensión de compresión Compressive stress                                                                    | σ <sub>10</sub>                                                          | ≥ 120                                                                                                                                                                                                                            | kPa                                                                                                                                          | --                                                                                                     |  |
| Resistencia a la tracción Tensile strength                                                                  | σ <sub>mt</sub>                                                          | ≥ 80                                                                                                                                                                                                                             | kPa                                                                                                                                          | --                                                                                                     |  |
| Absorción de agua Water absorption                                                                          | W <sub>lt</sub>                                                          | ≤ 2                                                                                                                                                                                                                              | %                                                                                                                                            | --                                                                                                     |  |
| Resistencia al vapor de agua Water vapour resistance                                                        | Z                                                                        | 12                                                                                                                                                                                                                               | hm <sup>2</sup> Pa/mg                                                                                                                        | --                                                                                                     |  |
| Reacción al fuego (valor en aplic. FINAL de uso.)<br>Reaction to fire (Value end-use application)           | --                                                                       | B-s2,d0<br>B-s3,d0                                                                                                                                                                                                               | --                                                                                                                                           | Esp. Thk. ≤ 80 mm<br>Esp. Thk. > 80 mm                                                                 |  |
| Emisión sustancias peligrosas Release dangerous substances                                                  | TVOC                                                                     | < 1000                                                                                                                                                                                                                           | μg/m <sup>3</sup>                                                                                                                            | --                                                                                                     |  |

### Propiedades: Properties

Producto de célula cerrada Closed cell foam  
Termoestable (no funde ni gotea) No melt / No drop

Exento de CFC's y HCFC's FCF / HCFC Free  
Gran cohesión interna (no se delamina) Great internal cohesion (Not delaminate)

## EUROAISLANTE BITUMINOSO BITUMINOUS

Placa aislante PIR  
PIR Insulation board



| Peso Weight (km/m <sup>2</sup> )                                         | Espesor Thickness (mm) |      |      |      |                    |
|--------------------------------------------------------------------------|------------------------|------|------|------|--------------------|
|                                                                          | 40                     | 50   | 60   | 80   | 100 <sup>(3)</sup> |
| Ancho Width: 1.200 mm <sup>(1)</sup><br>1.190 mm <sup>(2)</sup>          |                        |      |      |      |                    |
| Longitud Length:<br>2.500 <sup>(1)</sup> mm /<br>2.225 <sup>(2)</sup> mm | 1,28                   | 1,60 | 1,92 | 2,56 | 3,20               |

Longitud máx. / Max. Length: 7.000 mm

(1) Std. para envíos terrestres (otras medidas, consultar).

Std. for road shipments. (Ask for other sizes).

(2) Std. para envíos marítimos (otras medidas, consultar).

Std. for sea shipments. (Ask for other sizes).

(3) Espesores superiores, a consultar. Ask for bigger thicknesses.

Panel aislante de espuma rígida de poliisocianurato (PIR) recubierta, en la cara superior, con un complejo de oxiasfalto y en la cara inferior con velo de vidrio, para uso como aislamiento térmico en edificación como soporte de la impermeabilización en cubiertas metálicas tipo deck.

*Insulation board with a core of rigid polyurethane (PIR) foam with bitumen finished on upper side and mineral coating on fiberglass on below side, used as a thermal insulation for buildings in warm flat roofs under membrane waterproofing systems.*

| CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES                                                                 |                                                                          |                                                                                                                                                                                                                                  |                                                                                                                                              |                                                                                                        |  |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|
| CONCEPTO CONCEPT                                                                                            | SÍMBOLO SYMBOL                                                           | VALOR DECLARADO ± Tolerancia DECLARED VALUE ± Tolerance:                                                                                                                                                                         | UDS. UNIT                                                                                                                                    | OBSERVACIONES NOTES                                                                                    |  |
| Rectangularidad Squareness                                                                                  | S <sub>b</sub>                                                           | < 5                                                                                                                                                                                                                              | mm/m                                                                                                                                         | Long+Anch. L+W                                                                                         |  |
| Planicidad Flatness                                                                                         | S <sub>máx.</sub>                                                        | ≤ 10                                                                                                                                                                                                                             | mm                                                                                                                                           | Longitud Length                                                                                        |  |
| Conductividad térmica Thermal conductivity                                                                  | λ <sub>D</sub>                                                           | 0,027<br>0,026                                                                                                                                                                                                                   | W/m <sup>2</sup> K                                                                                                                           | Esp. Thk. ≤ 60 mm<br>Esp. Thk. > 80 mm                                                                 |  |
| Resistencia térmica Thermal resistance                                                                      | R <sub>D</sub>                                                           | 1,45<br>1,85<br>2,20<br>3,05<br>3,85                                                                                                                                                                                             | m <sup>2</sup> K/W                                                                                                                           | Esp. Thk. = 40 mm<br>Esp. Thk. = 50 mm<br>Esp. Thk. = 60 mm<br>Esp. Thk. = 80 mm<br>Esp. Thk. = 100 mm |  |
| Estabilidad dimensional Dimensional stability<br>(en cond. especif. Under specified conditions: de HR y T*) | Δε <sub>L</sub><br>Δε <sub>b</sub><br>Δε <sub>d</sub><br>Δε <sub>d</sub> | Δε <sub>L</sub> ≤ 2 <sup>(4)</sup><br>Δε <sub>b</sub> ≤ 2 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 6 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 1 <sup>(4)</sup><br>Δε <sub>b</sub> ≤ 1 <sup>(4)</sup><br>Δε <sub>d</sub> ≤ 4 <sup>(4)</sup> | ≤ 0,5 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 2,0 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 0,5 <sup>(5)</sup><br>≤ 2,0 <sup>(5)</sup> | %<br><br><br><br><br><br>Esp. Thk. < 80 mm<br><br><br><br>Esp. Thk. ≥ 80 mm                            |  |
| Tensión de compresión Compressive stress                                                                    | σ <sub>10</sub>                                                          | ≥ 120                                                                                                                                                                                                                            | kPa                                                                                                                                          | --                                                                                                     |  |
| Resistencia a la tracción Tensile strength                                                                  | σ <sub>mt</sub>                                                          | ≥ 100                                                                                                                                                                                                                            | kPa                                                                                                                                          | --                                                                                                     |  |
| Absorción de agua Water absorption                                                                          | W <sub>lt</sub>                                                          | ≤ 2                                                                                                                                                                                                                              | %                                                                                                                                            | --                                                                                                     |  |
| Resistencia al vapor de agua Water vapour resistance                                                        | Z                                                                        | 62                                                                                                                                                                                                                               | hm <sup>2</sup> Pa/mg                                                                                                                        | --                                                                                                     |  |
| Reacción al fuego (valor en aplic. FINAL de uso.)<br>Reaction to fire (Value end-use application)           | --                                                                       | B-s2,d0<br>B-s3,d0                                                                                                                                                                                                               | --                                                                                                                                           | Esp. Thk. ≤ 80 mm<br>Esp. Thk. > 80 mm                                                                 |  |
| Emisión sustancias peligrosas Release dangerous substances                                                  | TVOC                                                                     | < 1000                                                                                                                                                                                                                           | μg/m <sup>3</sup>                                                                                                                            | --                                                                                                     |  |

### Propiedades: Properties

Producto de célula cerrada Closed cell foam  
Termoestable (no funde ni gotea) No melt / No drop  
Resistente a la llama Resistant to flame

Exento de CFC's y HCFC's FCF / HCFC Free  
Gran cohesión interna (no se delamina) Great internal cohesion (Not delaminate)



## EUROAISLANTE ALUMINIO 2U ALUMINIUM 2U

Placa aislante PIR  
PIR Insulation board



| Peso Weight (km/m²)                                                | Espesor Thickness (mm) |      |      |      |                    |
|--------------------------------------------------------------------|------------------------|------|------|------|--------------------|
|                                                                    | 40                     | 50   | 60   | 80   | 100 <sup>(3)</sup> |
| Ancho Width: 1.200 mm <sup>(1)</sup><br>1.190 mm <sup>(2)</sup>    |                        |      |      |      |                    |
| Longitud Length: 2.500 <sup>(1)</sup> mm / 2.225 <sup>(2)</sup> mm | 1,28                   | 1,60 | 1,92 | 2,56 | 3,20               |

Longitud máx. / Max. Length: 7.000 mm

- (1) Std. para envíos terrestres (otras medidas, consultar).  
Std. for road shipments. (Ask for other sizes).  
(2) Std. para envíos marítimos (otras medidas, consultar).  
Std. for sea shipments. (Ask for other sizes).  
(3) Espesores superiores, a consultar. Ask for bigger thicknesses.

Panel aislante de espuma rígida de poliisocianurato (PIR) recubierta con láminas de aluminio de 50µm en ambas caras, para uso como aislamiento térmico en edificación como soporte de la impermeabilización en cubiertas metálicas tipo deck.

Insulation board with a core of rigid polyurethane (PIR) foam covered with aluminium foil of 50µm on both sides, used as a thermal insulation for buildings in warm flat roofs under membrane waterproofing systems.

| CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES                                                                 |                                                       |                                                          |                                      |                     |  |  |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------|---------------------|--|--|
| CONCEPTO CONCEPT                                                                                            | SÍMBOLO SYMBOL                                        | VALOR DECLARADO ± Tolerancia DECLARED VALUE ± Tolerance: | UDS. UNIT                            | OBSERVACIONES NOTES |  |  |
| Rectangularidad Squareness                                                                                  | S <sub>b</sub>                                        | < 5                                                      | mm/m                                 | Long+Anch. L+W      |  |  |
| Planicidad Flatness                                                                                         | S <sub>máx.</sub>                                     | ≤ 10                                                     | mm                                   | Longitud Length     |  |  |
| Conductividad térmica Thermal conductivity                                                                  | λ <sub>D</sub>                                        | 0,023                                                    | W/m²K                                | --                  |  |  |
| Resistencia térmica Thermal resistance                                                                      | R <sub>D</sub>                                        | 1,75                                                     | m²K/W                                | Esp. Thk. = 40 mm   |  |  |
|                                                                                                             |                                                       | 2,20                                                     |                                      | Esp. Thk. = 50 mm   |  |  |
|                                                                                                             |                                                       | 2,65                                                     |                                      | Esp. Thk. = 60 mm   |  |  |
|                                                                                                             |                                                       | 3,50                                                     |                                      | Esp. Thk. = 80 mm   |  |  |
| Estabilidad dimensional Dimensional stability<br>(en cond. especif. Under specified conditions: de HR y T°) | Δε <sub>L</sub><br>Δε <sub>b</sub><br>Δε <sub>d</sub> | Δε <sub>L</sub> ≤ 3 <sup>(4)</sup>                       | Δε <sub>b</sub> ≤ 0,5 <sup>(6)</sup> | %                   |  |  |
|                                                                                                             |                                                       | Δε <sub>b</sub> ≤ 8 <sup>(4)</sup>                       | Δε <sub>d</sub> ≤ 2,0 <sup>(6)</sup> |                     |  |  |
|                                                                                                             |                                                       | Δε <sub>L</sub> ≤ 1 <sup>(4)</sup>                       | Δε <sub>b</sub> ≤ 0,5 <sup>(6)</sup> |                     |  |  |
|                                                                                                             |                                                       | Δε <sub>b</sub> ≤ 1 <sup>(4)</sup>                       | Δε <sub>d</sub> ≤ 0,5 <sup>(6)</sup> |                     |  |  |
|                                                                                                             |                                                       | Δε <sub>d</sub> ≤ 4 <sup>(4)</sup>                       | Δε <sub>L</sub> ≤ 2,0 <sup>(6)</sup> |                     |  |  |
|                                                                                                             |                                                       | Δε <sub>d</sub> ≤ 4 <sup>(4)</sup>                       | Δε <sub>L</sub> ≤ 2,0 <sup>(6)</sup> |                     |  |  |
| Tensión de compresión Compressive stress                                                                    | σ <sub>10</sub>                                       | ≥ 120                                                    | kPa                                  | --                  |  |  |
| Resistencia a la tracción Tensile strength                                                                  | σ <sub>mt</sub>                                       | ≥ 100                                                    | kPa                                  | --                  |  |  |
| Absorción de agua Water absorption                                                                          | W <sub>lt</sub>                                       | ≤ 2                                                      | %                                    | --                  |  |  |
| Resistencia al vapor de agua Water vapour resistance                                                        | Z                                                     | 20                                                       | hm²Pa/mg                             | --                  |  |  |
| Reacción al fuego (valor en aplic. FINAL de uso.)<br>Reaction to fire (Value end-use application)           | --                                                    | B-s2, d0                                                 | --                                   | Esp. Thk. ≤ 80 mm   |  |  |
|                                                                                                             |                                                       | B-s3, d0                                                 | --                                   | Esp. Thk. > 80 mm   |  |  |
| Emisión sustancias peligrosas Release dangerous substances                                                  | TVOC                                                  | < 1000                                                   | µg/m³                                | --                  |  |  |

### Propiedades: Properties

Producto de célula cerrada Closed cell foam  
Termoestable (no funde ni gotea) No melt / No drop  
Resistente a la llama Resistant to flame

Exento de CFC's y HCFC's FCF / HCFC Free  
Gran cohesión interna (no se delamina) Great internal cohesion (Not delaminate)

## EUROAISLANTE AGRO T1-T1 AGRO T1-T1

Placa aislante PIR  
PIR Insulation board



| Peso Weight (km/m²)                                                | Espesor Thickness (mm) |      |      |    |                    |
|--------------------------------------------------------------------|------------------------|------|------|----|--------------------|
|                                                                    | 40                     | 50   | 60   | 80 | 100 <sup>(3)</sup> |
| Ancho Width: 1.200 mm <sup>(1)</sup><br>1.190 mm <sup>(2)</sup>    |                        |      |      |    |                    |
| Longitud Length: 2.500 <sup>(1)</sup> mm / 2.225 <sup>(2)</sup> mm | 1,28                   | 1,60 | 1,92 | -  | -                  |

Longitud máx. / Max. Length: 7.000 mm

- (1) Std. para envíos terrestres (otras medidas, consultar).  
Std. for road shipments. (Ask for other sizes).  
(2) Std. para envíos marítimos (otras medidas, consultar).  
Std. for sea shipments. (Ask for other sizes).  
(3) Espesores superiores, a consultar. Ask for bigger thicknesses.

Panel aislante de espuma rígida de poliisocianurato (PIR) recubierta en ambas caras por una lámina de resina de poliéster reforzada con fibra de vidrio (PRFV) de 0,50 mm de espesor, para uso como falso techo de instalaciones agropecuarias.

Insulation board with a core of rigid polyurethane (PIR) foam covered with fiberglass reinforced polyester resin (GFRP) of 0,5 mm on both sides, used as a false ceiling of agricultural and farming facilities.

| CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES                                                                 |                                                       |                       |                                                          |           |  |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|----------------------------------------------------------|-----------|--|
| CONCEPTO CONCEPT                                                                                            | SÍMBOLO SYMBOL                                        | OBSERVACIONES NOTES   | VALOR DECLARADO ± Tolerancia DECLARED VALUE ± Tolerance: | UDS. UNIT |  |
| Rectangularidad Squareness                                                                                  | S <sub>b</sub>                                        | Long+Anch. L+W        | < 6                                                      | mm/m      |  |
| Planicidad Flatness                                                                                         | S <sub>máx.</sub>                                     | Longitud Length       | ≤ 10                                                     | mm        |  |
| Conductividad térmica Thermal conductivity                                                                  | λ <sub>D</sub>                                        | --                    | 0,023                                                    | W/m²K     |  |
| Resistencia térmica Thermal resistance                                                                      | R <sub>D</sub>                                        | Esp. Thk. = 40 mm     | 1,75                                                     | m²K/W     |  |
|                                                                                                             |                                                       | Esp. Thk. = 50 mm     | 2,15                                                     |           |  |
|                                                                                                             |                                                       | Esp. Thk. = 60 mm     | 2,60                                                     |           |  |
| Estabilidad dimensional Dimensional stability<br>(en cond. especif. Under specified conditions: de HR y T°) | Δε <sub>L</sub><br>Δε <sub>b</sub><br>Δε <sub>d</sub> | --                    | Δε <sub>L</sub> ≤ 3 <sup>(4)</sup>                       | %         |  |
|                                                                                                             |                                                       |                       | Δε <sub>b</sub> ≤ 3 <sup>(4)</sup>                       |           |  |
|                                                                                                             |                                                       |                       | Δε <sub>d</sub> ≤ 8 <sup>(4)</sup>                       |           |  |
|                                                                                                             |                                                       |                       | Δε <sub>d</sub> ≤ 8 <sup>(4)</sup>                       |           |  |
| Tensión de compresión Compressive stress                                                                    | σ <sub>10</sub>                                       | Al 10% de deformación | ≥ 120                                                    | kPa       |  |
| Absorción de agua Water absorption                                                                          | W <sub>lt</sub>                                       | --                    | ≤ 2                                                      | %         |  |

### Propiedades: Properties

Producto de célula cerrada Closed cell foam  
Resistente a ácidos, alcoholes, bases y disolventes  
Buena resistencia al envejecimiento

Exento de CFC's y HCFC's FCF / HCFC Free  
Gran cohesión interna (no se delamina) Great internal cohesion (Not delaminate)

## EUROAISLANTE

### AGRO T2-T1 AGRO T2-T1

Placa aislante PIR  
PIR Insulation board



| Peso Weight (kg/m <sup>2</sup> )                                         | Espesor Thickness (mm) |      |      |    |                    |
|--------------------------------------------------------------------------|------------------------|------|------|----|--------------------|
|                                                                          | 40                     | 50   | 60   | 80 | 100 <sup>(3)</sup> |
| Ancho Width: 1.200 mm <sup>(1)</sup><br>1.190 mm <sup>(2)</sup>          |                        |      |      |    |                    |
| Longitud Length:<br>2.500 <sup>(1)</sup> mm /<br>2.225 <sup>(2)</sup> mm | 1,28                   | 1,60 | 1,92 | -  | -                  |

Longitud máx. / Max. Length: 7.000 mm

(1) Std. para envíos terrestres (otras medidas, consultar).

Std. for road shipments. (Ask for other sizes).

(2) Std. para envíos marítimos (otras medidas, consultar).

Std. for sea shipments. (Ask for other sizes).

(3) Espesores superiores, a consultar. Ask for bigger thicknesses.

Panel aislante de espuma rígida de poliisocianurato (PIR) recubierta en una de sus caras por una lámina de resina de poliéster reforzada con fibra de vidrio (PRFV) de 0,90 mm de espesor, y en la otra por una lámina de resina de poliéster reforzada con fibra de vidrio (PRFV) de 0,50 mm de espesor, para uso como falso techo de instalaciones agropecuarias.

Insulation board with a core of rigid polyurethane (PIR) foam covered with glass reinforced polyester resin (GFRP) of 0,90 mm on upper side and a glass inforced polyester resin (GFRP) of 0,50 mm on below side, used as a false ceiling of agricultural and farming facilities.

| CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES                                                                                                                            |                       |                            |                                                                    |                   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|--------------------------------------------------------------------|-------------------|---|
| CONCEPTO <i>CONCEPT</i>                                                                                                                                                | SÍMBOLO <i>SYMBOL</i> | OBSERVACIONES <i>NOTES</i> | VALOR DECLARADO ± Tolerancia<br><i>DECLARED VALUE ± Tolerance:</i> | UDS. <i>UNIT</i>  |   |
| Rectangularidad <i>Squareness</i>                                                                                                                                      | S <sub>D</sub>        | Long+Anch. <i>L+W</i>      | < 6                                                                | mm/m              |   |
| Planicidad <i>Flatness</i>                                                                                                                                             | S <sub>máx.</sub>     | Longitud <i>Length</i>     | ≤ 10                                                               | mm                |   |
| Conductividad térmica <i>Thermal conductivity</i>                                                                                                                      | λ <sub>D</sub>        | --                         | 0,023                                                              | W/m²K             |   |
| Resistencia térmica <i>Thermal resistance</i>                                                                                                                          | R <sub>D</sub>        | Esp. <i>Thk.</i> = 40 mm   | 1,75                                                               | m²K/W             |   |
|                                                                                                                                                                        |                       | Esp. <i>Thk.</i> = 50 mm   | 2,15                                                               |                   |   |
|                                                                                                                                                                        |                       | Esp. <i>Thk.</i> = 60 mm   | 2,60                                                               |                   |   |
| Estabilidad dimensional <i>Dimensional stability</i><br>(en cond. <i>especif. Under specified conditions: de HR y T°</i> )<br>(4) (48 ± 1)h a (70 ± 2)°C y (90± 5)% HR | Δε <sub>L</sub>       | --                         | Δε <sub>L</sub>                                                    | ≤3 <sup>(4)</sup> | % |
|                                                                                                                                                                        | Δε <sub>b</sub>       |                            | Δε <sub>b</sub>                                                    | ≤3 <sup>(4)</sup> |   |
|                                                                                                                                                                        | Δε <sub>d</sub>       |                            | Δε <sub>d</sub>                                                    | ≤8 <sup>(4)</sup> |   |
|                                                                                                                                                                        |                       |                            |                                                                    |                   |   |
| Tensión de compresión <i>Compressive stress</i>                                                                                                                        | σ <sub>10</sub>       | Al 10% de deformación      | ≥ 120                                                              | kPa               |   |
| Absorción de agua <i>Water absorption</i>                                                                                                                              | W <sub>lt</sub>       | --                         | ≤ 2                                                                | %                 |   |

#### Propiedades: Properties

Producto de célula cerrada. Closed cell foam  
Resistente a ácidos, alcoholes, bases y disolventes  
Buena resistencia al envejecimiento

Exento de CFC's y HCFC's FCF / HCFC Free  
Gran cohesión interna (no se delamina) Great internal cohesion  
(Not delaminate)

## ACCESORIOS

### Accessories



Perfil "L" PVC  
Profile "L" PVC  
(45 mm x 45 mm)



Perfil "H" PVC  
Profile "H" PVC  
(40mm - 100mm)



Perfil "U" PVC  
Profile "U" PVCfile  
(H = 40mm)



Arandela PVC  
PVC washer



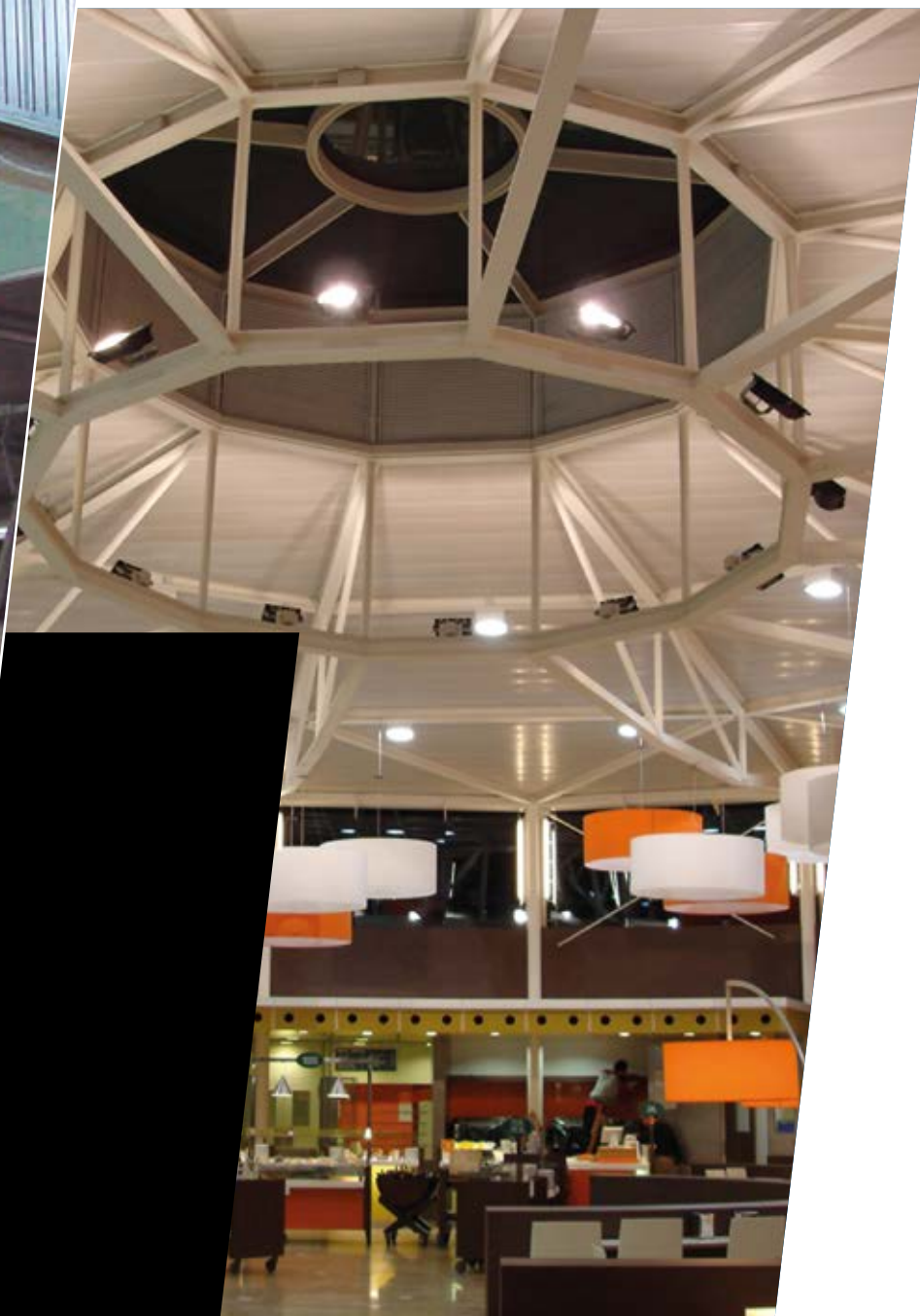






## Sistemas acústicos

Soundproofing solutions



## Soluciones de aislamiento y absorción acústica

*Acoustic insulation and absorption solutions*

Las necesidades particulares del edificio dependen de sus características, del uso que se le va a dar y las cualidades del entorno en el cual se encuentra. De esta manera las soluciones acústicas varían según las necesidades particulares de cada obra: naves industriales, pabellones deportivos, piscinas, salas polivalentes, restaurantes, edificios escolares y viviendas.

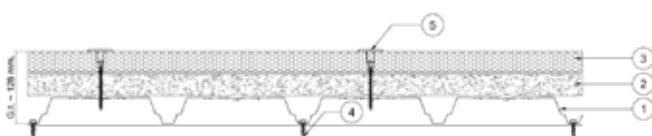
Las soluciones acústicas EUROSILENCE de Europerfil representan las soluciones óptimas para aislamiento y absorción acústica. Están ensayadas conforme a la normativa vigente y son aptas para solicitaciones CTE.

*The particular needs of each building depend on its characteristics, the intended use and the characteristics of the environment in which it is located. Therefore, soundproofing solutions vary based on the particular needs with each job: industrial warehouses, sports pavilions, swimming pools, multi-purpose halls, restaurants, school buildings and homes.*

*Europerfil EUROSILENCE soundproofing solutions are ideal for acoustic insulation and absorption. They are tested pursuant to current regulations and are suitable for CTE (Spanish Building code) stress requirements.*

### EUROSILENCE B-0,70:

Sistema para cubierta de obturación. *Roofing Deck system.*



Composición:

1. Perfiles gama EUROBASE con perforado HAIRONPHONE EUROBASE range profiles with HAIRONPHONE perforation
2. Lana de roca Mineral wool
3. EUROAISLANTE PIR EUROAISLANTE PIR
4. y 5. Fijaciones Screws

Absorción Absorption  $\alpha$  (w): 0,70

Ámbito de aplicación: Absorción de baja frecuencia, especial para maquinaria tipo prensas, motores, compresores y en cualquier actividad con ruido interior en frecuencias entre 400-1000 hz., como salas de conferencias, polideportivos no próximos a viviendas, industria (textil, metal), mercados...

*Scope of application: Low frequency absorption specially for machinery such as presses, engines, compressors and any activity with indoor noise at frequencies of 400-1000 Hz such as conference rooms, sports centres not near housing, industry (textile, metal), markets...*

### EUROSILENCE B – 0,70(2)

Sistema para cubierta de obturación. *Roofing Deck system.*



Composición:

1. Perfiles gama EUROBASE con perforado HAIRONPHONE EUROBASE range profiles with HAIRONPHONE perforation
2. Lana de roca Mineral wool
3. EUROAISLANTE PIR Aluminio 2 EUROAISLANTE PIR Aluminium 2U

Absorción Absorption  $\alpha$  (w): 0,70

Ámbito de aplicación: Absorción de baja frecuencia, especial para maquinaria tipo prensas, motores, compresores y en cualquier actividad con ruido interior en frecuencias entre 400-1000 hz., como salas de conferencias, polideportivos no próximos a viviendas, industria (textil, metal), mercados...

*Scope of application: Low frequency absorption specially for machinery such as presses, engines, compressors and any activity with indoor noise at frequencies of 400-1000 Hz such as conference rooms, sports centres not near housing, industry (textile, metal), markets... viviendas, industria (textil, metal), mercados...*

### EUROSILENCE B-0,85

Sistema para trasdosado interior de fachada.

*Inner lining facade system*



Composición: 1. Perfiles gama EUROFORM con perforado redondo a todo ancho. EUROFORM range profiles with round hole perforation in whole width profile. 2. Lana de roca Mineral wool 3. Perfil separador Z en acero galvanizado dispuesto cada 2.400mm. Substructure (Profile Z) in galvanized steel placed every 2.400 mm.

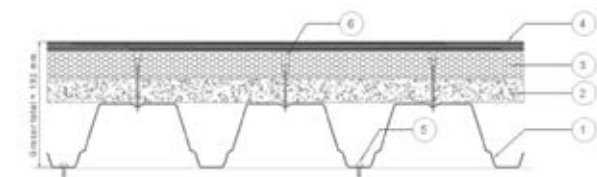
Absorción Absorption  $\alpha$  (w): 0,85

Ámbito de aplicación: absorción de altas frecuencias, especial para maquinaria tipo prensas, motores, compresores y en cualquier actividad con ruido interior en frecuencias entre 500-4000hz., como salas de conferencias, polideportivos no próximos a viviendas, industria (textil, metal), mercados...

*Scope of application: Low frequency absorption specially for machinery such as presses, engines, compressors and any activity with indoor noise at frequencies of 500-4000 Hz such as conference rooms, sports centres not near housing, industry (textile, metal), markets...*

### EUROSILENCE I-28

Sistema de cubierta de obturación. *Roofing Deck system.*



Composición:

1. Perfil EUROBASE Profile EUROBASE
2. Lana de roca Mineral wool
3. EUROAISLANTE PIR EUROAISLANTE PIR
4. Estanqueidad de doble capa asfáltica Asphalt waterproofing membrane (double layer)
5. y 6. Fijaciones Screws

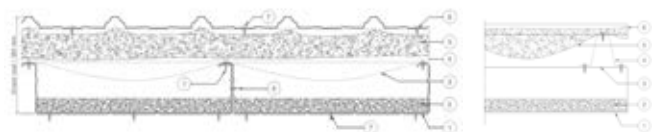
Atenuación a ruido tráfico *Traffic noise attenuation* (RA<sub>tr</sub>): 28,5 dBA

Ámbito de aplicación: Polideportivos y cerramientos sin requerimiento acústico concreto. Baja transmisión a ruido lluvia.

*Scope of application: Traffic noise attenuation. Sports centres and claddings without any specific soundproofing requirements. Low rain drumming transfer.*

## EUROSILENCE I-45

Sistema de cubierta de evacuación y fachadas.  
*Roofing and cladding systems*



Composición: 1. Perfil EUROBAC Profile EUROBAC 2. Lana de roca Mineral wool 3. Film PVC PVC film 4. Separador omega Omega galvanized profile 5. Manta IBR Fiberglass blanket insulation 6. Perfiles gama EUROCOVER, EUROBASE y perfiles de fachada arquitectónica EUROCOVER range, EUROBASE range and Architectural façade profiles 7. y 8. Fijaciones Screw

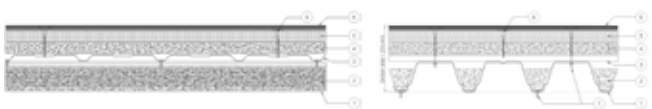
Atenuación a ruido tráfico *Traffic noise attenuation*  
(RAtr): 45,5 dBA

Ámbito de aplicación: Industria con alta emisión sonora hacia el exterior, salas de máquinas en general, auditorios que dispongan de falsos techos absorbentes, parkings...

*Scope of application: Industries with high sound emission to the exterior, engine rooms in general, auditoriums with absorbent dropped ceilings, car parks....*

## EUROSILENCE IB-30/0,70

Sistema de cubierta de obturación. *Roofing Deck system.*



Composición: 1. Perfil EUROBASE perforado lateral nervio Profile EUROBASE with lateral side 2. Lana de roca Mineral wool 3. Perfil EUROFORM Profile EUROFORM 4. Lana de roca Mineral wool 5. EUROAISLANTE PIR EUROAISLANTE PIR 6. Estanqueidad de doble capa asfáltica Asphalt waterproofing membrane (double layer) 7. y 8. Fijaciones Screws

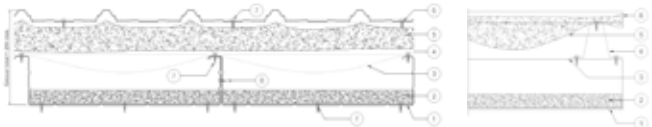
Atenuación a ruido tráfico *Traffic noise attenuation* (RAtr):  
30 dBA y Absorción *Absorption*  $\alpha$  (w): 0,70

Ámbito de aplicación: Polideportivos y cerramientos sin requerimiento acústico concreto. Baja transmisión a ruido lluvia.

*Scope of application: Sports centres and claddings without any specific soundproofing requirements. Low rain drumming transfer.*

## EUROSILENCE IB-30/1,00

Sistema de cubierta de evacuación y fachada.  
*Roofing and cladding systems*



Composición:

1. Perfil EUROBAC perforado Profile EUROBAC perforated 2. Lana de roca Mineral wool 3. Film PVC PVC film 4. Separador omega Omega galvanized profile 5. Manta IBR Fiberglass blanket insulation 6. Perfiles gama EUROCOVER, EUROBASE y perfiles de fachada arquitectónica EUROCOVER range, EUROBASE range and Architectural façade profiles 7. y 8. Fijaciones Screws

Atenuación a ruido tráfico *Traffic noise attenuation* (RAtr):  
30 dBA y Absorción *Absorption*  $\alpha$  (w): 1,00

Ámbito de aplicación: Cualquier actividad industrial donde exista personal expuesto al ruido de cualquier tipo de máquina, polideportivos no próximos a viviendas, salas de conferencias...

*Scope of application: Any industrial activity where personnel are exposed to noise from any type of machine, sports centres not near housing, conference rooms...*

| Soluciones de aislamiento <i>Insulation solutions</i> |                                                                                              |                                                       |                                                               |                             |                                    |      |      |      |      |                                     |                                     |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|-----------------------------|------------------------------------|------|------|------|------|-------------------------------------|-------------------------------------|
| SOLUCIÓN<br><i>SOLUTION</i>                           | ÍNDICE DE REDUCCIÓN <i>REDUCTION RATIO</i>                                                   |                                                       |                                                               | R(dB)* <i>R(dB)*</i>        |                                    |      |      |      |      | ALTURA TOTAL<br><i>TOTAL HEIGHT</i> |                                     |
|                                                       | Índice ponderado de Reducción acústica <i>Rw</i><br><i>Weighted Sound Reduction Ratio Rw</i> | Ruido Rosa <i>Pink noise</i> ( <i>R<sub>p</sub></i> ) | Ruido tráfico <i>Traffic noise</i> ( <i>R<sub>Atr</sub></i> ) | Frecuencia <i>Frequency</i> |                                    |      |      |      |      |                                     |                                     |
|                                                       |                                                                                              |                                                       |                                                               | 125                         | 250                                | 500  | 1000 | 2000 | 4000 |                                     |                                     |
| Eurosilence I – 28                                    | 36(-2;-8)dB                                                                                  | 34,6dBa                                               | 28,5dBa                                                       | 11,9                        | 23,1                               | 38,7 | 49,9 | 56,6 | 65,2 | 192                                 |                                     |
| Eurosilence I-45                                      | 55(-2;-9)dB                                                                                  | 53,6dBa                                               | 45,5dBa                                                       | 34,6                        | 44,4                               | 57,0 | 70,2 | 74,4 | 76,7 | 284                                 |                                     |
| Eurosilence IB-30/0,70                                | 38(-3;-8)dB                                                                                  | 35,8dBa                                               | 29,6dBa                                                       | 18,2                        | 24,2                               | 43,1 | 53,6 | 65,1 | 77,4 | 215                                 |                                     |
| Eurosilence IB-30/1,00                                | 38(-2;-8)dB                                                                                  | 36,8dBa                                               | 30,4dBa                                                       | 17,8                        | 26,3                               | 36,6 | 43,6 | 48,2 | 58,9 | 284                                 |                                     |
| Soluciones de absorción <i>Absorption solutions</i>   |                                                                                              |                                                       |                                                               |                             |                                    |      |      |      |      |                                     |                                     |
| SOLUCIÓN<br><i>SOLUTION</i>                           | ÍNDICE DE ABSORCIÓN <i>REDUCTION RATIO</i>                                                   |                                                       |                                                               | TT<br><br>U(W/m2*K)         | Alfa sabine * <i>Alfa sabine *</i> |      |      |      |      |                                     | ALTURA TOTAL<br><i>TOTAL HEIGHT</i> |
|                                                       | α(w)                                                                                         | Clase <i>Class</i>                                    | Forma <i>Shape</i>                                            |                             | Frecuencia <i>Frequency</i>        |      |      |      |      |                                     |                                     |
|                                                       |                                                                                              |                                                       |                                                               |                             | 125                                | 250  | 500  | 1000 | 2000 | 4000                                |                                     |
| Eurosilence B – 0,70                                  | 0,70                                                                                         | C (0,60 a 0,75)                                       | L                                                             | 0,39                        | 0,29                               | 0,81 | 0,91 | 0,82 | 0,66 | 0,57                                | 128                                 |
| Eurosilence B – 0,70 (2)                              | 0,70                                                                                         | C (0,60 a 0,75)                                       | L                                                             | 0,29                        | 0,38                               | 0,86 | 0,91 | 0,75 | 0,74 | 0,49                                | 151                                 |
| Eurosilence B – 0,85                                  | 0,85                                                                                         | B (0,80 a 0,85)                                       | H                                                             | -                           | 0,19                               | 0,52 | 0,93 | 0,93 | 1,01 | 1,01                                | 84                                  |
| Eurosilence IB-30/0,70                                | 0,70                                                                                         | C (0,60 a 0,75)                                       |                                                               | 0,33                        | 0,83                               | 0,51 | 0,73 | 0,84 | 0,70 | 0,57                                | 215                                 |
| Eurosilence IB-30/1,00                                | 1,00                                                                                         | A(>0,85)                                              |                                                               | -                           | 0,89                               | 0,90 | 0,97 | 0,95 | 1,04 | 1,05                                | 284                                 |

### NOTAS NOTES

\* Ensayos realizados en APPLUS \* Tested by APPLUS. Soluciones de aislamiento *Insulation solutions*: Aislamiento acústico al ruido aéreo según UNE-EN ISO 10140-2:2011 Acoustic insulation to airborne noise according UNE-EN ISO 10140-2:2011 Soluciones de absorción *Absorption solutions*: Absorción acústica en cámara reverberante según UNE-EN ISO 354:2004 Acoustic absorption in reverberation chamber according UNE-EN ISO 354:2004







## **Sistema de cubierta y fachada Engatillada EURODESIGN**

EURODESIGN Standing seam  
system for roofing and cladding



## EURODESIGN Sistema de bandeja engatillada

*EURODESIGN Standing seam system*

La arquitectura precisa de soluciones constructivas versátiles para crear con total libertad. EURODESIGN, es el sistema propio de bandeja de junta alzada para su aplicación en cubiertas y fachadas arquitectónicas, que permite la creación de líneas, formas y volúmenes diferentes que convierten el edificio en una obra singular. Líneas rectas, curvas o incluso cónicas son posibles con este sistema.

*Architecture requires versatile construction solutions for freedom of creativity. EURODESIGN is a special standing seam system for use on architectural roofs and facades to create different lines, shapes and volumes for singular buildings. Straight, curved and even conical lines are possible with this system.*

### Ventajas del sistema *Advantages to this system*

**Cubierta estanca:** El perfil de junta alzada evita las perforaciones en la piel exterior y elimina los solapes, asegurando una estanqueidad absoluta. En cubierta se admiten pendientes hasta el 2%.

**Gran versatilidad:** Eurodesign hace posibles elementos de una sola pieza de gran longitud (<50m) y permite hacer realidad todo tipo de formas arquitectónicas: rectas, curvas o cónicas.

**Amplia gama** de acabados metálicos: Aluminio, zinc natural o prepatinado, cobre, acero inoxidable, acero prelacado, acero galvanizado, etc. Cualquier material puede ser utilizado en una cubierta engatillada.

**Funcionalidad:** Los clips de fijación quedan por debajo de la piel exterior, permitiendo la libre dilatación de los materiales y un óptimo funcionamiento de la cubierta.

**Fabricación "in situ":** La posibilidad de fabricación a pie de obra, perfilando la bandeja incluso sobre la cubierta, si la obra lo requiere, permite piezas de grandes longitudes sin juntas transversales. También existe la posibilidad de realizar el curvado "in situ", minimizando la manipulación para un acabado perfecto.

**Estética:** La mejor opción para convertir un edificio en una obra singular gracias a la posibilidad de creación de líneas, formas y volúmenes diferentes.

**A sealed roof:** The standing seam profile prevents perforations on the outer layer and eliminates overlapping for absolute sealing. Slopes of up to 2% are allowed on roofs.

**Immense versatility:** Eurodesign makes very long (<50 m) single-part elements possible as well as all types of architectural shapes: straight, curved and conical.

**A wide range of metallic finishes:** Aluminium, natural or pre-weathered zinc, copper, stainless steel, coated steel, galvanized steel, etc. Any material may be used on a standing seam roof.

**Functionality:** The fixing clips remain below the outer layer so the materials may freely dilate, offering optimal roof function.

**In situ manufacturing:** The possibility of on-site manufacturing, profiling the trays even on the roof as required means longer seamless cross-pieces can be used. Curving may also be done on site for minimal handling and a perfect finish.

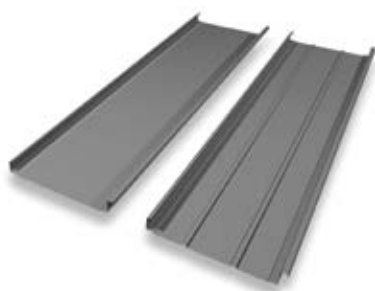
**Aesthetics:** The best option for turning a building into a singular structure with the possibility of creating different lines, shapes and volumes.

### Producto *Product*

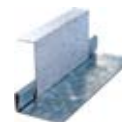
**EURODESIGN LISA**  
Smooth <sup>(1)</sup>



**EURODESIGN NERVADA**  
Ribbed <sup>(1)</sup>



|                | EURODESIGN 51/345 |            | EURODESIGN 51/470 |            |
|----------------|-------------------|------------|-------------------|------------|
| Lisa Smooth    | 51 mm (H)         | 345 mm (W) | 51 mm (H)         | 470 mm (W) |
| Nervada ribbed | 51 mm (H)         | 345 mm (W) | 51 mm (H)         | 470 mm (W) |



Las bandejas se unen lateralmente entre sí mediante clips retenedores que permiten fijar la bandeja al soporte de cubierta sin perforar la piel exterior, permitiendo la libre dilatación de los materiales.<sup>(2)</sup>

*The trays are connected laterally with retaining clips to secure the tray to the roof support without perforating the outer layer, thereby allowing the materials to freely dilate<sup>(2)</sup>.*

Clip móvil para engatillado a 90° (Base + alzado). Recomendado para aplicación en fachada.

*Mobile clip for 90° installation (Base + 90° retention clip). Recommended for façade application.*

Clip móvil para engatillado a 180° (Base + alzado). Recomendado para aplicación en cubierta.

*Mobile clip for 180° installation (Base + 180° retention clip). Recommended for roofing application.*

#### NOTAS *NOTES*

(1) Posibilidades de modulación variable a consultar con Dpto. Técnico de Europerfil.  
(1) Possibilities of variable modulation can be discussed with the Europrofil Technical Dept.

(2) Consúltenos acerca del alquiler de los accesorios necesarios para la correcta ejecución del cerramiento.  
(2) Ask us about renting the necessary accessories for proper execution.



## Materiales *Materials*

Eurodesign se puede fabricar en una amplia gama de materiales.  
*Eurodesign could be manufactured in a wide range of materials*



| MATERIAL<br>MATERIAL                | ESPESOR MÍNIMO (mm)<br>THICKNESS MIN. (mm) | ESPESOR MÁXIMO (mm)<br>THICKNESS MAX. (mm) |
|-------------------------------------|--------------------------------------------|--------------------------------------------|
| Acero Steel                         | 0,6                                        | 0,8                                        |
| Acero inoxidable<br>Stainless steel | 0,5                                        | 0,6                                        |
| Cobre Copper                        | 0,6                                        | 0,65                                       |
| Zinc Zinc                           | 0,6                                        | 0,8                                        |
| Aluminio Aluminium                  | 0,7                                        | 0,8                                        |

## Transformaciones *Transformations*

Las bandejas Eurodesign lisas permiten ser curvadas en forma convexa y perfiladas en forma cónica

*Smooth trays Eurodesign allow them to be convexly curved and conical profiled*



| BANDEJAS EURODESIGN CURVADAS <i>CURVED</i> |                                             |                                                     |
|--------------------------------------------|---------------------------------------------|-----------------------------------------------------|
| MATERIAL<br>MATERIAL                       | ESPESOR MÍN- MÁX<br>THICKNESS MIN- MAX (mm) | RADIO CONVEXO MÍN-MÁX<br>CONVEX RADIUS MIN-MAX (mm) |
| Acero Steel                                | 0,6-0,8                                     | 3.000-50.000                                        |
| Acero inoxidable<br>Stainless steel        | 0,5-0,6                                     | 3.000-50.000                                        |
| Cobre Copper                               | 0,6-0,65                                    | 3.000-50.000                                        |
| Zinc Zinc                                  | 0,6-0,8                                     | 3.000-50.000                                        |
| Aluminio Aluminium                         | 0,7-0,8                                     | 3.000-50.000                                        |

| BANDEJAS EURODESIGN CÓNICAS <i>CONICAL</i> |        |                                       |                                         |
|--------------------------------------------|--------|---------------------------------------|-----------------------------------------|
| BANDEJA EURODESIGN<br>EURODESIGN TRAY      | h (mm) | ANCHO MÍN- MÁX<br>WIDTH MIN- MAX (mm) | LONGITUD MÍN-MÁX<br>LENGTH MIN-MAX (mm) |
| Lisa Smooth                                | 51     | 195-520                               | 3.000-6.000                             |

## Peso propio (kg/m<sup>2</sup>) *Weight (kg/m<sup>2</sup>)*

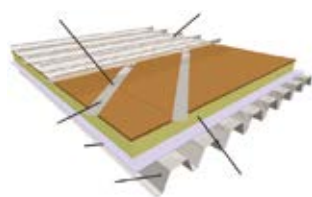
Eurodesign 51/345

| MATERIAL<br>MATERIAL                | ESPESORES THICKNESS (mm) |      |      |      |      |      |
|-------------------------------------|--------------------------|------|------|------|------|------|
|                                     | 0,5                      | 0,6  | 0,65 | 0,7  | 0,75 | 0,8  |
| Acero Steel                         | -                        | 6,83 | -    | 7,96 | 8,53 | 9,10 |
| Acero inoxidable<br>Stainless steel | 5,69                     | 6,83 | -    | -    | -    | -    |
| Cobre Copper                        | -                        | 7,74 | 8,38 | -    | -    | -    |
| Zinc Zinc                           | -                        | 6,26 | 6,78 | -    | -    | 8,35 |
| Aluminio Aluminium                  | -                        | -    | -    | 2,74 | 2,93 | 3,13 |

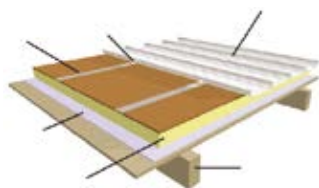
Eurodesign 51/470

| MATERIAL<br>MATERIAL                | ESPESORES THICKNESS (mm) |      |      |      |      |      |
|-------------------------------------|--------------------------|------|------|------|------|------|
|                                     | 0,5                      | 0,6  | 0,65 | 0,7  | 0,75 | 0,8  |
| Acero Steel                         | -                        | 6,26 | -    | 7,31 | 7,83 | 8,35 |
| Acero inoxidable<br>Stainless steel | 5,22                     | 6,26 | -    | -    | -    | -    |
| Cobre Copper                        | -                        | 7,10 | 7,69 | -    | -    | -    |
| Zinc Zinc                           | -                        | 5,74 | 6,22 | -    | -    | 7,66 |
| Aluminio Aluminium                  | -                        | -    | -    | 2,51 | 2,69 | 2,87 |

## Sistema constructivo *Constructive system*



Soporte de chapa  
*Steel profile support*



Soporte de madera  
*Wood support*

Las bandejas Eurodesign precisan de un soporte rígido para su colocación. Permite ser colocado sobre:

**Perfil de acero trapezoidal o bandeja autoportante**, incorporando entre estos elementos diferentes capas de aislamiento en función de las solicitaciones de cada proyecto.

**Tablero de madera o derivados**, incorporando de igual modo capas de aislantes a definir en función del aislamiento requerido.

**Forjado**, de distinta tipología, habitualmente de cantos reducidos como **forjados y encofrados perdidos** sobre perfiles de acero trapezoidales.<sup>(3)</sup>

*Eurodesign trays require a rigid support for installation. They may be installed over:*

**Trapezoidal steel profiles or self-supporting trays** with different layers of insulation added between based on the stress of each project.

**Wooden or wood derivative slabs**, also adding layers of insulation to be defined based on the required insulation.

Different types of **forging**, usually with smaller edges such as **lost forging and formwork over trapezoidal steel profiles**.

### NOTAS *NOTES*

(3) Realice sus consultas para proyectos a nuestros departamentos Técnicos y de Prescripción.  
(3) Ask to our Prescription or Technical Department for projects.







## Emotion Wall

Emotion Wall



## Emotion Wall, revestimientos personalizados para la creación de fachadas únicas

*Emotion Wall, customized cladding to create unique facades*

EMOTION WALL le permite dar rienda suelta a su imaginación personalizando sus proyectos gracias a las infinitas posibilidades de acabados para fachadas metálicas y revestimientos metálicos interiores.

Personalice sus proyectos de centros comerciales, edificios para la educación, oficinas, hoteles, centros sanitarios, edificios para el transporte, naves industriales y espacios urbanos con EMOTION WALL, mediante:

- grafismos o fotografías
- imagen coportiva
- integración paisajística y mimetización
- corrección del impacto visual

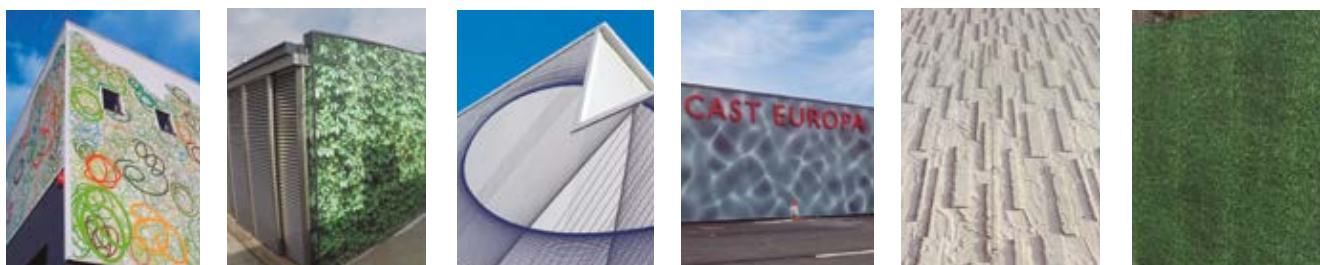
Europerfil le acompaña en la fase de gestión del diseño para que su proyecto se convierta en realidad.

*EMOTION WALL allows you to let your imagination run wild customizing your projects with endless finishing possibilities for metallic facades and metallic interior cladding.*

*Customize your shopping centre, school building, office, hotel, healthcare centre, transport building, industrial warehouse and urban area projects using EMOTION WALL with:*

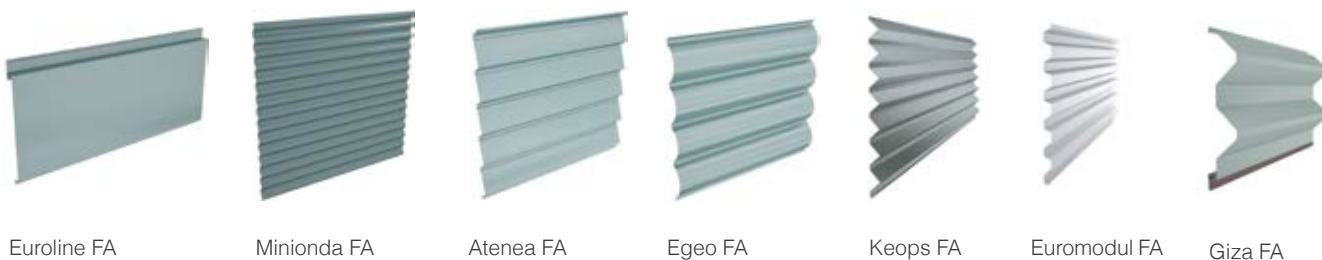
- graphics or photographs
- a corporate image
- landscape integration and disguising
- visual impact correction

*Europerfil helps you throughout the design management phase so you can turn your project into reality.*



## Gamma de productos *Product range*

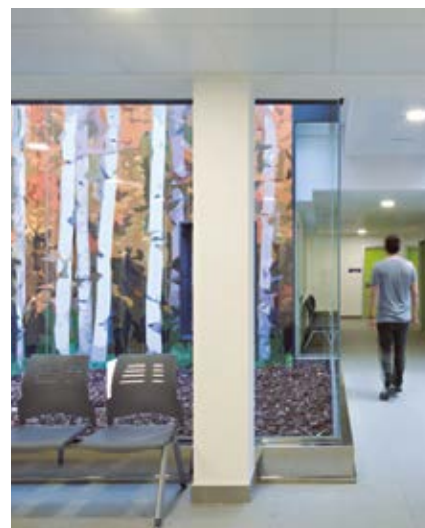
Perfiles de fachada arquitectónica *Architectural Façade Profiles*



Perfiles de fachada industrial *Industrial Façade Profiles*



Paneles sándwich de fachada arquitectónica *Architectural sandwich panels*





Principales características que ofrece EMOTION WALL:

- Gran adherencia del pintado al soporte.
- Durabilidad al exterior
- Resistencia a los rayos UV
- Fácil limpieza anti-graffiti
- Apto para interiores y exteriores

The main characteristics offered by EMOTION WALL are:

- Great paint adherence.
- Exterior durability
- UV ray resistance
- Easy to clean; anti-graffiti
- Suitable for indoor and outdoor use

## Posibilidades de fabricación

Manufacturing possibilities

Dimensiones máximas de recubrimiento impreso:

- Paneles: 8.020mm x 80 mm (Long. x espesor)
- Perfiles: 4.000 x 1250 mm (Long. x ancho total)
- Perfil Euroline: 6.000 mm (Long.)

Acabados: mate, satinado o brillo

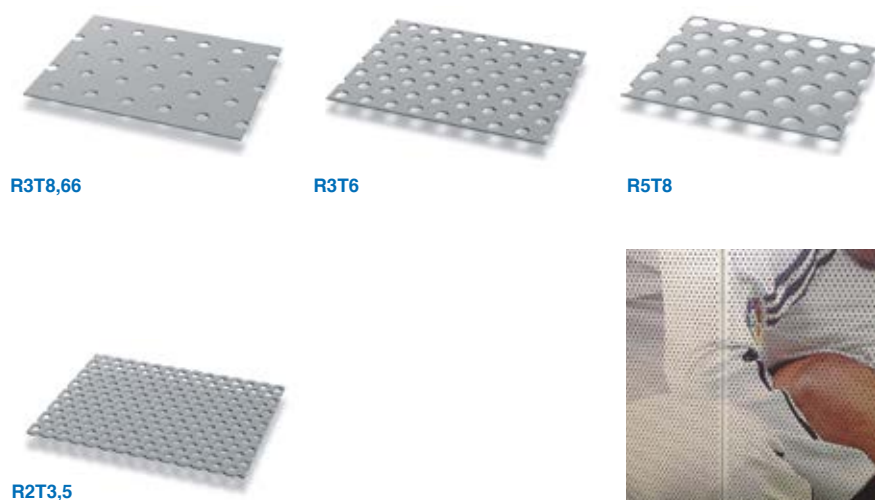
Perforados disponibles para perfiles: R3T8,66 (11%), R3T6 (23%), R2T3,5 (30%), R5T8 (35%)

Printed coating maximum dimensions:

- Sandwich panels: 8.020 mm x 80 mm (Long. X thick.)
- Profiles: 4.000 x 1250 mm (Length x total thickness)
- Profile Euroline: 6.000 mm (Length)

Finishes: matt, gloss or brightness

Available perforations for profiles: R3T8,66 (11%), R3T6 (23%), R2T3,5 (30%), R5T8 (35%)



## Ensayos Tests

El recubrimiento exterior esta homologado acorde a las especificaciones y exigencias del sector de la construcción (UNE EN 10169).

Los ensayos realizados son los siguientes:

- Adherencia (UNE-EN ISO 2409): GT0
- Resistencia al rayado (UNE-EN 438-2): Apto
- Resistencia al ácido cítrico a temperatura ambiente (UNE EN14483-1): AA
- Impacto (UNE-E 438-2): Apto
- Niebla salina (UNE-EN ISO 9227): RAS (700h.)
- Resistencia a la luz (QUV) (UNE-EN ISO 11507): Apto (1200h)

The outdoor cladding is officially approved in accordance with construction sector specifications and requirements. (UNE EN 10169).

The following tests have been performed:

- Adhesion (UNE-EN ISO 2409): GT0
- Scratch resistance (UNE-EN 438-2): Pass
- Resistance to citric acid at room temperature (UNE EN14483-1): AA
- Impact (UNE-E 438-2): Pass
- Salt spray test (UNE-EN ISO 9227): RAS (700h.)
- QUV Accelerated Weathering Test (UNE-EN ISO 11507): Apto (1200h)







## Revestimientos orgánicos

Organic coatings



## Revestimientos orgánicos



Además de las calidades intrínsecas del acero y de las posibilidades arquitectónicas de los productos Europerfil, éstos pueden ser fabricados en una amplia gama de colores y revestimientos.

La siguiente tabla de revestimientos de Europerfil le permitirá seleccionar el revestimiento orgánicos más adecuado en función de la exposición de los productos Europerfil al ambiente interior y exterior donde van a ser instalados.

*In addition to the intrinsic characteristics of the steel and the different architectural possibilities for Europerfil products, they may be produced in a wide range of colours and coatings.*

*The following Europerfil coatings table will allow you to choose the most appropriate organic coating based on the Europerfil product exposure to indoor and outdoor atmospheres where installed.*

| Revestimiento<br>orgánico Europerfill<br><br><i>Europerfill Organic<br/>Coating</i> | TIPOLOGÍA DE ENTORNO EXTERIOR<br><i>Outdoor environment</i>                    |                                                                                |                                                            |                                                 |                                                    |                         |                                           |                                             |                                         |                            |                               |              |                              | Ámbitos de aplicación<br><i>Scope of application</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------|-------------------------|-------------------------------------------|---------------------------------------------|-----------------------------------------|----------------------------|-------------------------------|--------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | Categoría de resist. a la corrosión (EXT.)<br><i>Corrosion category (EXT.)</i> | Categoría de resist. a la corrosión (INT.)<br><i>Corrosion category (INT.)</i> | Categoría de resist. a los rayos UV:<br><i>UV category</i> | RURAL SIN POLUCIÓN<br><i>Rural non polluted</i> | Urbano o industrial<br><i>urban and industrial</i> |                         | Marino <i>Marine</i><br>Dist. al mar (Km) |                                             |                                         | Especial<br><i>Special</i> |                               |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                     |                                                                                |                                                                                |                                                            |                                                 | NORMAL<br><i>Normal</i>                            | SEVERO<br><i>Severe</i> | Entre 3 - 20<br><i>Between 3 - 20</i>     | Entre 1 - 3 (*)<br><i>Between 1 - 3 (*)</i> | Entre 0,3 - 1<br><i>Between 0,3 - 1</i> | <300m<br><i>Mikto</i>      | Entorno mixto<br><i>Mixte</i> | UV++ High UV | Específico<br><i>Special</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                     |                                                                                |                                                                                |                                                            |                                                 |                                                    |                         |                                           |                                             |                                         |                            |                               |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Esmeralda BASIC<br>(solo para interiores)<br><i>(only interior faces)</i>           | ---                                                                            | CPI2                                                                           | ---                                                        | X                                               | X                                                  | X                       | X                                         | X                                           | X                                       | X                          | X                             | X            | X                            | Solo revestimientos interiores: cubiertas Deck, caras interiores de paneles, falso techo, etc...<br><i>Only interior coating: deck roof, interior sheet of sandwich panels, ceilings, etc...</i>                                                                                                                                                                                                                                                                                             |
| Esmeralda PLUS                                                                      | RC3                                                                            | CPI3                                                                           | R <sub>UV3</sub>                                           | ✓                                               | ✓                                                  | X                       | C                                         | X                                           | X                                       | X                          | X                             | C            | X                            | Fachadas, cubiertas y otros revestimientos en ambientes exteriores situados a una distancia > 10km del mar. Ambientes interiores con condiciones de baja higrometría y en ambientes no agresivos. <i>Cladding, roofing and other applications in outdoor environment with a distance to the seaside &gt; 10km. Indoor use in low hygrometric and non-aggressive atmospheres.</i>                                                                                                             |
| Esmeralda EXCEL                                                                     | RC4                                                                            | CPI4                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | X                                       | X                          | C                             | ✓            | C                            | Cubiertas y fachadas para ambientes industriales normales, marinos (Recomendado acabado a dos caras) con fuerte exposición al sol. <i>Roofs and facades for normal industrial environment with strong exposure to the sun and sea (recommendation: both sides coated).</i>                                                                                                                                                                                                                   |
| Diamante OPTIM +                                                                    | RC5                                                                            | CPI4                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | C                                       | C                          | C                             | ✓            | C                            | Recomendado para cubiertas y cerramientos de larga duración en ambientes industriales o urbanos intensos, ambientes con humedad alta o marinos. <i>Recommended for roofs and facades of long duration in intensive urban and industrial environment, environment with high humidity or marine environment.</i>                                                                                                                                                                               |
| Rubi PLUS                                                                           | RC3                                                                            | CPI3                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | X                       | ✓                                         | X                                           | X                                       | X                          | X                             | ✓            | X                            | Revestimientos para ambientes industriales o urbanos normales y con fuerte exposición al sol. <i>Coating for buildings in normal industrial or urban environment, with strong exposure to the sun.</i>                                                                                                                                                                                                                                                                                       |
| Rubi EXCEL                                                                          | RC4                                                                            | CPI4                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | X                                       | X                          | C                             | ✓            | C                            | Revestimiento para edificios únicamente en ambientes industriales o urbanos normales, con fuerte exposición al sol o ambientes marinos. Revestimientos para edificios de prestigio. <i>Coating for buildings only in normal industrial and urban environment, with high exposure to the sun or marine environments. Coating for prestige buildings.</i>                                                                                                                                      |
| Rubi OPTIM                                                                          | RC5                                                                            | CPI5                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | C                                       | C                          | C                             | ✓            | C                            | Edificios de prestigio: cubiertas y fachadas en las que se requiere una excepcional durabilidad del color. Aplicable en ambientes industriales o urbanos intensos, con gran exposición al sol, con agresión por vientos de arena y en ambientes marinos. <i>Prestige buildings: roofs and facades which require exceptional durability of colour. Applicable for intensive industrial or urban environment, with strong exposure to the sun or to sand storms and in marine environment.</i> |
| Zafiro ELIT                                                                         | RC5                                                                            | CPI5                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | ✓                                       | ✓                          | C                             | ✓            | C                            | Ambientes industriales, marinos (a partir de 100 mts. del mar), expuestos a vientos de arena e interiores con alto grado de humedad. <i>Industrial and marine environments (&gt; 100m from the sea) with exposure to sand storms and interiors with high humidity.</i>                                                                                                                                                                                                                       |
| Zafiro PLATINIUM                                                                    | RC5                                                                            | CPI5                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | ✓                                       | ✓                          | C                             | ✓            | C                            | Ambientes industriales, marinos (muy severos), expuestos a vientos de arena e interiores con alto grado de humedad. Excelente estabilidad del color. <i>Industrial and marine environments (&gt; 100m from the sea) with exposure to sand storms and interiors with high humidity. Excellent colour stability.</i>                                                                                                                                                                           |
| Diamante PLATINIUM                                                                  | RC5                                                                            | CPI5                                                                           | R <sub>UV4</sub>                                           | ✓                                               | ✓                                                  | C                       | ✓                                         | ✓                                           | ✓                                       | ✓                          | ✓                             | ✓            | C                            | Ambientes industriales, marinos muy severos, expuestos a vientos de arena e interiores con alto grado de humedad, excelente resistencia a la radiación ultravioleta. <i>Industrial and the most severe marine atmospheres, exposed to sand storms and interiors with a high degree of humidity. excellent resistance to ultraviolet radiation</i>                                                                                                                                            |

✓ Material adaptado al entorno *The product is suitable*  
 ✗ Material NO adaptado al entorno *The product is NOT suitable*  
 C Es preciso cuestionario medioambiental *Environment questionnaire is needed*

(\*) Sea coast (from 3 to 1 km): direct aggression from seawater and/or seagrass are not included.



## Glosario

### Glosary

#### ENTORNOS DE EXPOSICIÓN EXTERIOR:

- **Rural sin polución:** entorno correspondiente al exterior de construcciones situadas en rozas rurales en las que no existe ninguna contaminación específica.
- **Urbano o industrial normal:** entorno correspondiente al exterior de construcciones situadas en aglomeraciones urbanas y/o entornos industriales con una o más fábricas productoras de gases y humos que generan un ligero incremento de la contaminación atmosférica, aunque sin constituir por ello una fuente de corrosión asociada a una elevada concentración de compuestos químicos.
- **Urbano o industrial severo:** entorno correspondiente al exterior de construcciones situadas en aglomeraciones urbanas y/o entornos industriales con una elevada concentración de compuestos químicos que constituyen una fuente de corrosión (entorno industrial con presencia, fundamentalmente, de plantas incineradoras, destilerías, cementeras, papeleras), tanto de manera continua como intermitente.
- **Marino:** entorno correspondiente al exterior de construcciones situadas a una distancia de entre 300m a 20km del litoral, excluyendo cualquier ataque directo del agua del mar (frente marino).
- **Marino mixto:** Entorno correspondiente a la combinación de un entorno marino (ubicado entre 1 y 3 km del mar) y un entorno urbano e industrial normal o severo.
- **Especial UV++:** entorno de las construcciones expuestas a una fuerte radiación ultravioleta (UV); corresponde, especialmente, a construcciones situadas en ciudades con altitudes superiores a los 900 metros o en los departamentos y territorios de ultramar entre los paralelos 37 norte y 37 sur.
- **Especial específico:** entorno donde la dureza de los tipos de exposición descritos anteriormente se ve acrecentada por determinados efectos, especialmente: la abrasión, elevadas temperaturas, elevada higrometría, importantes depósitos de polvo, salpicaduras de agua de mar, etc.

#### DESCRIPTIVO ENTORNO ATMOSFÉRICO INTERIOR

(Categorías de resistencia a la corrosión interior)

- **CPI1 (Ambiente con muy baja corrosión):** Espacios calefactados con baja humedad relativa y contaminación insignificante (ej.: oficinas, escuelas, museos, etc...)
- **CPI2 (Ambiente con baja corrosión):** Espacios no calefactados con temperaturas variables y humedad relativa. Baja frecuencia de condensación y baja contaminación (ej.: almacenes, salas de deporte, etc...)
- **CPI3 (Ambiente de corrosión media):** Espacios con moderada frecuencia de condensación y contaminación moderada derivada del proceso de producción (ej.: plantas de procesamiento de alimentos, lavanderías, plantas del sector cervecero y/o lácteo, etc...)
- **CPI4 (Ambiente con alta corrosión):** Espacios frecuentemente con alta condensación y alta contaminación derivada del proceso de producción (ej. Plantas industriales de proceso, piscinas, etc...)

#### OUTDOOR EXPOSURE ENVIRONMENTS

- **Unpolluted rural:** the environment outside structures situated in clear rural areas where there is no specific type of pollution.
- **Normal urban or industrial:** the environment outside structures situated in urban agglomerations and/or industrial environments with one or more gas and smoke-producing plants that generate a slight increase in air pollution without being considered a source of corrosion associated with a high concentration of chemical compounds.
- **Severe urban or industrial:** the environment outside structures situated in urban agglomerations and/or industrial environments with a high concentration of chemical compounds considered a source of corrosion (an industrial environment with mainly a presence of incineration plants, distilleries, cement plants, paper plants) both continuously and intermittently.
- **Marine:** the environment outside structures situated at a distance of between 300 m and 20 km of coastline excluding any direct attack from seawater (marine front).
- **Mixed marine:** an environment corresponding to a combination of a marine environment (1-3 km from the sea) and a normal or severe urban and industrial environment.
- **Special UV++:** an environment with structures exposed to heavy ultraviolet (UV) radiation; it particularly corresponds to structures located in cities with altitudes above 900 metres or in overseas departments and territories between the latitudes of 37° N and 37° S.
- **Special specific:** an environment where the harshness of the types of exposure described above is increased by certain effects, especially: abrasion, high temperatures, high hygrometry, significant dust deposits, splashes of seawater, etc.

#### DESCRIPTIONS OF INDOOR ATMOSPHERES

(Indoor corrosion resistance categories)

- **CPI1 (Very low corrosion atmosphere):** Heated areas with low relative humidity and insignificant pollution (i.e. offices, schools, museums, etc.)
- **CPI2 (Low corrosion atmosphere):** Non-heated areas with variable temperatures and relative humidity. Low frequency of condensation and low pollution (i.e. warehouses, sports centres, etc.)
- **CPI3 (Average corrosion atmosphere):** Areas with a moderate frequency of condensation and moderate pollution deriving from the production process (i.e. food processing plants, laundrettes, beer and/or dairy production plants, etc.)
- **CPI4 (High corrosion atmosphere):** Areas with frequent high condensation and high pollution deriving from the production process (i.e. industrial processing plants, swimming pools, etc.)
- **CPI5 (Very high corrosion atmosphere):** Areas with very



- **CPI5 (Ambiente con muy alta corrosión):** Espacios muy frecuentemente con alta condensación y/o alta contaminación derivada del proceso de producción (ej.: minas, cavernas con fines industriales, depósitos/almacenes no ventilados en zonas subtropicales y tropicales, etc...)

## DESCRIPTIVO ENTORNO ATMOSFÉRICO EXTERIOR

(Categorías de resistencia a la corrosión EXTERIOR/)

- **RC1 (Ambiente con muy baja corrosión):** Zona seca o fría, ambiente atmosférico con muy poca contaminación y muy poco húmedo (ej.: ciertos desiertos, ártico central, etc...)
- **RC2 (Ambiente con baja corrosión):** Zona templada, ambiente atmosférico con baja contaminación -SO<sub>2</sub> < 5 µg/m<sup>3</sup>- (ej.: áreas rurales, pueblos pequeños, etc...); Zona seca o fría, ambiente atmosférico poco húmedo (ej.: desiertos, zonas sub-árticas, etc...)
- **RC3 (Ambiente de corrosión media):** Zona templada, ambiente atmosférico con contaminación media -SO<sub>2</sub> entre 5 µg/m<sup>3</sup> y 30 µg/m<sup>3</sup>- o a causa de presencia de cloruros (ej.: áreas urbanas, áreas costeras con baja deposición de cloruros, etc...); Zona subtropical y tropical, atmósfera con baja contaminación.
- **RC4 (Ambiente con alta corrosión):** Zona templada, ambiente atmosférico con alta contaminación -SO<sub>2</sub> entre 30 µg/m<sup>3</sup> y 90 µg/m<sup>3</sup>- o a causa de presencia de cloruros (ej.: áreas urbanas contaminadas, áreas industriales, áreas costeras sin contacto directo de agua salada o exposiciones a los efectos de la sal en fase de deshielo, etc...); Zona subtropical y tropical, atmósfera con contaminación media.
- **RC5 (Ambiente con muy alta corrosión):** Zona templada y subtropical, ambiente atmosférico con muy alta contaminación -SO<sub>2</sub> entre 90 µg/m<sup>3</sup> y 250 µg/m<sup>3</sup>- o a causa de presencia de cloruros (ej.: zonas industriales, zonas costeras, cobertizos ubicados en la costa o en alta mar, etc...)

## CATEGORÍAS DE RESISTENCIAS A LOS RAYOS UV:

- UV2 \_ Región localizada en latitudes 0-45 ° N y en altitudes 2 900 m
- UV3 \_ Región localizada en latitudes comprendidas entre: 37 ° N y 45 ° N y en altitudes 2 900 m
- UV4 \_ Región localizada en latitudes < 37 ° N o en altitudes > 900 m

Si desea información adicional acerca de los ensayos de corrosión, resistencia a la humedad y a los rayos ultravioletas, contacte con nuestro Dpto. Técnico.

*frequent high condensation and/or high pollution deriving from the production process (i.e. mines, caves used for industrial purposes, unventilated tanks/warehouses in sub-tropical and tropical zones, etc.)*

## DESCRIPTIONS OF OUTDOOR ATMOSPHERES

(Indoor corrosion resistance categories)

- **RC1 (Very low corrosion atmosphere):** Dry or cold areas, an environment with very low pollution and very low humidity (i.e. certain deserts, central Arctic zone, etc.)
- **RC2 (Low corrosion atmosphere):** Temperate areas, an environment with low pollution -SO<sub>2</sub> < 5 µg/m<sup>3</sup>- (i.e. rural areas, small towns, etc.); Dry or cold areas, an environment with low humidity (i.e. deserts, sub-Arctic zones, etc.)
- **RC3 (Average corrosion atmosphere):** Temperate areas, an environment with average pollution -SO<sub>2</sub> between 5 µg/m<sup>3</sup> and 30 µg/m<sup>3</sup>- or the presence of chlorides (i.e. urban areas, coastal areas with low chloride deposits, etc.); Sub-tropical and tropical areas, atmospheres with low pollution.
- **RC4 (High corrosion atmosphere):** Temperate areas, an environment with high pollution -SO<sub>2</sub> between 30 µg/m<sup>3</sup> and 90 µg/m<sup>3</sup>- or the presence of chlorides (i.e. polluted urban areas, industrial areas, coastal areas without direct contact with saltwater or exposure to the effects of salt in the thawing phase, etc.); Sub-tropical and tropical areas, atmospheres with average pollution.
- **RC5 (Very high corrosion atmosphere):** Temperate and sub-tropical areas, an environment with very high pollution -SO<sub>2</sub> between 90 µg/m<sup>3</sup> and 250 µg/m<sup>3</sup>- or the presence of chlorides (i.e. industrial areas, coastal areas, shelters located on the coast or on the high seas, etc.)

## UV RAY RESISTANCE CATEGORIES:

- UV2 \_ A region located at latitudes of 0-45° N and at altitudes of 2900 m
- UV3 \_ A region located at latitudes of between: 37° N and 45° N and at altitudes of 2900 m
- UV4 \_ A region located at latitudes of < 37° N or at altitudes > 900 m

*If you'd like more information on corrosion, humidity resistance and ultraviolet ray testing, please contact our Technical Dept.*



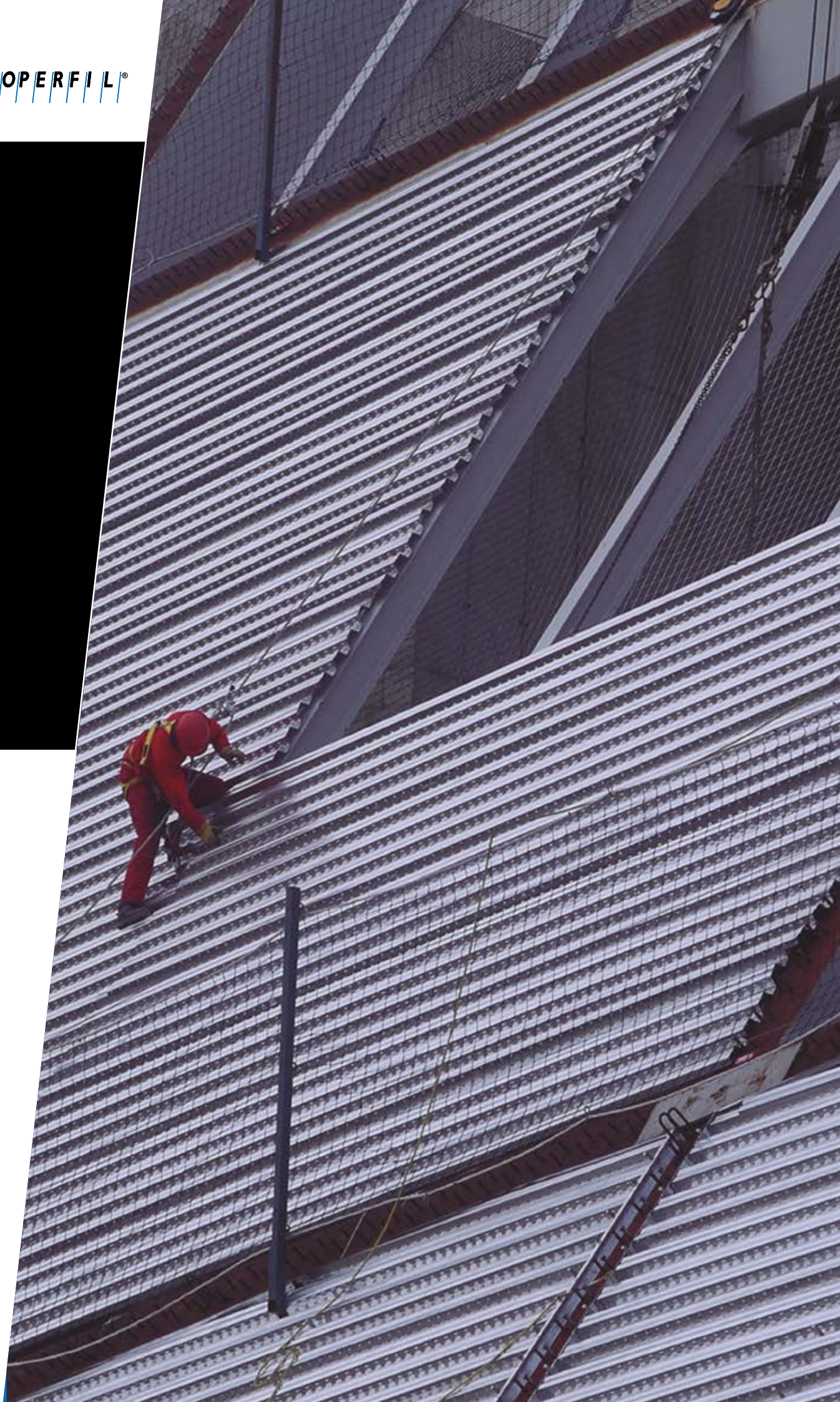




**Descubra más sobre nuestros revestimientos en**  
*More information about our coatings at*



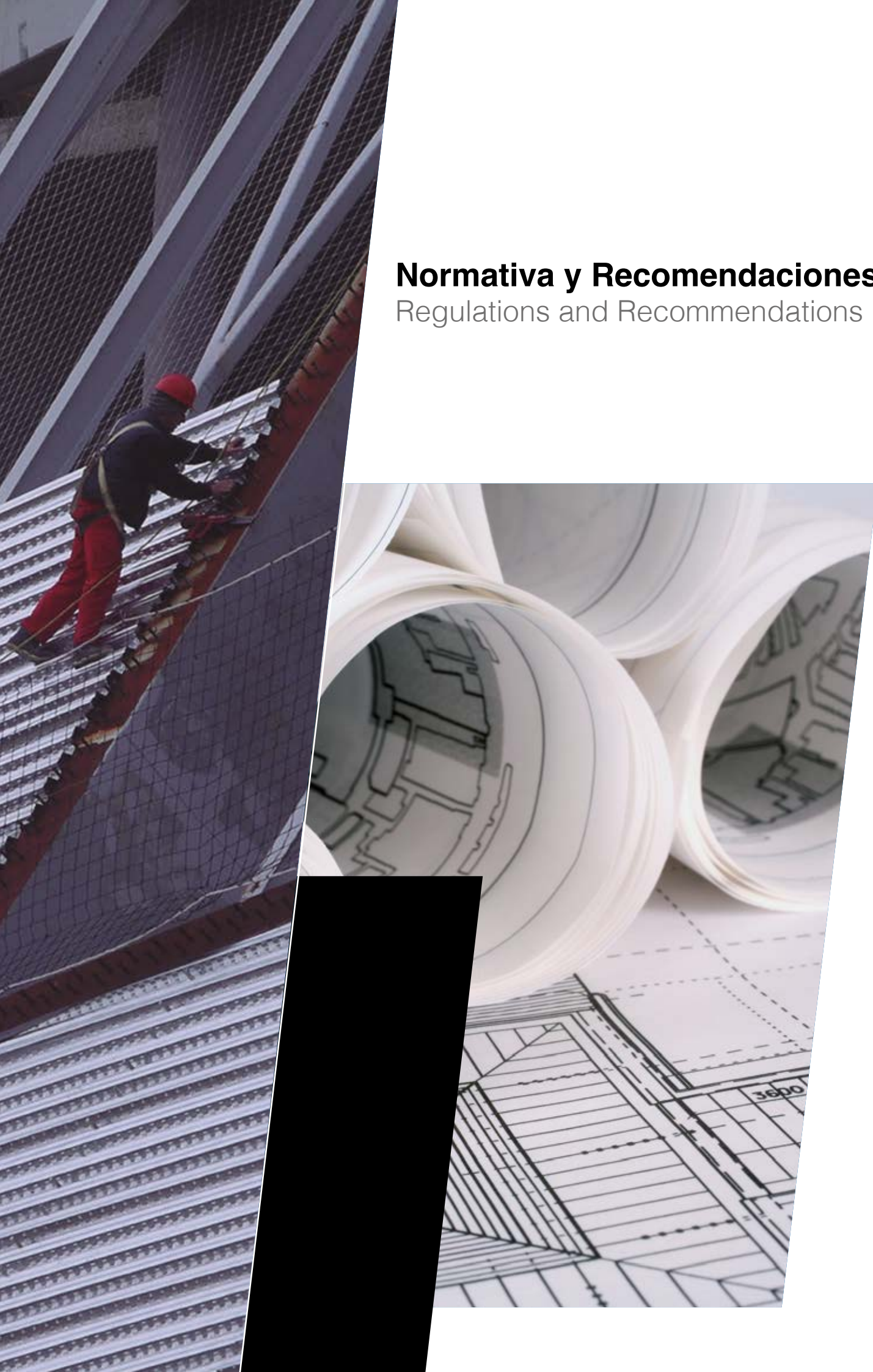






## **Normativa y Recomendaciones**

Regulations and Recommendations



## Normativa de perfiles

### Profiles regulation

**Los perfiles de Europerfil disponen del Marcado CE según la norma:**

#### EN 14782

Chapas metálicas autoportantes para recubrimiento y revestimiento de cubiertas y fachadas. Especificaciones y requisitos del producto.

#### EN 508

Productos para cubiertas de chapa metálica. Especificación de las chapas autoportantes de acero (parte 1), aluminio (parte 2) o acero inoxidable (parte 3).

**Normativa referente a material prima:**

#### EN 10143

Chapas y bobinas de acero con revestimiento metálico en continuo por inmersión en caliente. Tolerancias dimensionales y de forma.

#### EN 10169

Productos planos de acero, recubiertos en continuo de materiales orgánicos (prelacados).

- Parte 1: Generalidades (definiciones, materiales, tolerancias, métodos de ensayo);
- Parte 2: Productos para aplicaciones exteriores en la edificación;
- Parte 3: Productos para aplicaciones interiores en la edificación.

#### EN 10346

Productos planos de acero recubiertos en continuo por inmersión en caliente. Condiciones técnicas de suministro.

*The profiles of Europerfil have the CE Marking according to the standard:*

#### EN 14782

*Self-supporting metal sheets for covering and covering of roofs and facades. Specifications and product requirements.*

#### EN 508

*Products for sheet metal roofing. Specification of self-supporting sheets of steel (part 1), aluminium (part 2) or stainless steel (part 3).*

*Normative regarding raw material:*

#### EN 10143

*Plates and coils of steel with continuous metallic coating by hot dip. Dimensional and geometrical tolerances.*

#### EN 10169

*Flat steel products, continuously coated with organic materials (coated).*

- Part 1: General (definitions, materials, tolerances, test methods);
- Part 2: Products for exterior applications in the building;
- Part 3: Products for interior applications in building.

#### EN 10346

*Flat steel products coated continuously by hot dip. Technical conditions of supply.*

## REACCIÓN AL FUEGO. MARCADO CE

La clasificación de Reacción al fuego de los perfiles de acero es: A1 para revestimiento poliéster de 25 micras y C-s3,d0 para revestimiento plastisol, sin necesidad de ensayo según decisión de la comisión 2010/737 de la Unión Europea.

## CARACTERÍSTICAS GEOMÉTRICAS

Las características geométricas de diseño, tolerancias de fabricación y calidades del acero utilizado para el perfilado de las chapas son conforme a la normativa vigente.

## CARACTERÍSTICAS MECÁNICAS

Las características mecánicas de los perfiles de cubierta deck de Europerfil se han obtenido a partir de ensayos conformes a la norma P34-503 y DTU 43.3 bajo el control y supervisión de BUREAU VERITAS y SOCOTEC, y cumplen con la normativa: Des Règles Professionnelles pour la fabrication et la mise en œuvre des bardages métalliques, CITAG/SNAF/SNPPA, Edición Enero 1981.

## REACTION TO FIRE. MARKING CE

*The classification of Reaction to fire of the steel profiles is: A1 for 25 microns polyester coating and C-s3,d0 for plastisol coating, without testing according to the decision of the European Commission 2010/737.*

## GEOMETRIC CHARACTERISTICS

*The geometric design characteristics, manufacturing tolerances and grades of the steel used for the profiling of the sheets are in accordance with current regulations.*

## MECHANICAL CHARACTERISTICS

*The mechanical characteristics of Europerfil roof decking profiles have been obtained from tests conforming to standard P34-503 and DTU 43.3 under the control and supervision of BUREAU VERITAS and SOCOTEC, and comply with the following regulations: Des Règles Professionnelles pour la fabrication et la mise en œuvre des bardages métalliques, CITAG/SNAF/SNPPA, Edition January 1981.*





## Normativa de paneles sándwich y placas aislantes

*Sandwich panels and insulated boards regulation*

**Los paneles sándwich y las placas aislantes de Europerfil disponen del Mercado CE según la norma:**

### EN 14509

Paneles sándwich aislantes autoportantes de doble cara metálica. Productos hechos en fábrica.

### EN 10143

Chapas y bobinas de acero con revestimiento metálico en continuo por inmersión en caliente. Tolerancias dimensionales y de forma.

### EN 10169

Productos planos de acero, recubiertos en continuo de materias orgánicas (prelacados).

### EN 10346

Productos planos de acero recubiertos en continuo por inmersión en caliente. Condiciones técnicas.

### EN 13501

Clasificación en función del comportamiento frente al fuego de los productos de construcción y elementos para la edificación.

Parte 1-2007: Clasificación a partir de datos obtenidos en ensayos de reacción al fuego.

Parte 5-2007: Clasificación a partir de datos obtenidos en ensayos de cubiertas ante la acción de un fuego exterior.

### EN 13165

Productos aislantes térmicos para aplicaciones en la edificación.

### EN ISO 6946

Elementos y componentes de edificación. Resistencia y transmitancia térmica. Método de cálculo.

### ETAG 016-1/2

Paneles sándwich autoportantes ligeros

*Europrofile sandwich panels and insulated boards are CE marked according to the standard:*

### EN 14509

*Self-supporting double skin metal faced insulating panels. Factory made products.*

### EN 10143

*Continuously hot-dip coated steel and strip. Tolerances on dimensions and shape.*

### EN 10169

*Continuously organic coated (coil coated) steel flat products.*

### EN 10346

*Continuously hot-dip coated steel flat products for cold forming. Technical conditions.*

### EN 13501

*Fire classification of construction products and building elements.*

*Part 1-2007: Classification using data from reaction to fire tests.*

*Part 5-2007: Classification using data from external fire exposure to roof test.*

### EN 13165

*Thermal insulation products for buildings.*

### EN ISO 6946

*Building components and building elements. Thermal resistance and thermal transmittance. Calculation method.*

### ETAG 016-1/2

*Self-Supporting Composite Lightweight Panels.*

## Recomendaciones

### Recommendations

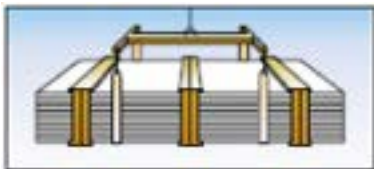
#### TRANSPORTE Y DESCARGA

Los productos son transportados por cuenta y riesgo del fabricante (o comprador en caso de recoger la mercancía en nuestra fábrica), siendo responsabilidad del comprador los daños y deterioros que ocurran durante la descarga. Asegure los medios indispensables para ejecutar las operaciones correctas.

Avisamos en defensa de sus intereses que cualquier daño ocasionado durante el transporte debe constar en el albarán firmado por el transportista.

Los materiales deben viajar siempre a cubierto con el toldo del camión colocado. EUROPERFIL queda libre de toda responsabilidad en caso de incumplimiento de dichas normas.

Los paneles deben transportarse y descargarse utilizando un balancín o eslingas de nylon de 200mm de ancho donde se apoyen los listones de madera o las protecciones laterales, en lugar de directamente en el producto. No se deben colocar más de tres paquetes de altura.



#### ESTOCAJE

No almacenar los productos en contacto con el suelo. Los paquetes se deben colocar sobre una superficie plana y rígida, empleando protecciones (p.ej.: tacos de madera) y se deben colocar con una leve inclinación para poder evacuar el agua originada por posibles condensaciones.

Cuando está apilada en paquetes, la chapa de acero galvanizado o aluzinc es sensible a la humedad, a la condensación y a la lluvia. El agua infiltrada entre las chapas puede llevar a la formación de un hidrocarbonato de zinc, comúnmente llamado “óxido blanco” en el caso del galvanizado, o unas manchas negras en el caso del aluzinc.

- Este óxido no es perjudicial para la chapa aunque pueda tener un efecto estético.
- Los paquetes de chapa deberán quedar siempre a cubierto y con ventilación (almacén cubierto, toldo recubriendo el paquete, pero separado de él, mediante tacos de distinta altura).
- EUROPERFIL se considerará libre de toda responsabilidad en caso de no observarse dichas normas.

Las lamas deben almacenarse ligeramente inclinadas para no permitir acumulaciones de agua en su superficie. Los productos prelacados son susceptibles a la humedad y se requiere ventilación entre el apilado de las piezas.

Se recomienda la apertura de los paquetes, desapilado de las piezas y retirada del film protector si se prevé un almacenamiento de larga duración. En todo caso, deben abrirse los paquetes pasadas tres semanas tras la entrega para facilitar la ventilación en el interior del paquete.

#### TRANSPORT AND UNLOADING

*The products are transported at the manufacturer's own risk (or the buyer's risk if the goods are picked up at our plant) and thus the buyer will be liable for any damage or deterioration during unloading. Make sure you have the essential resources to complete all operations properly.*

*Please note that it is in your best interests to record any damages caused during transport on the delivery note signed by the carrier.*

*The materials must always be covered with a canvas during transport. EUROPERFIL will not be liable for any breach of these rules.*

*Panels must be transported and unloaded using a 200 mm wide beam or nylon slings to support the wooden battens or side protections instead of directly on the product. Do not place more than three packages on top of each other.*

#### STOCKING

*Do not store products on the ground. The packages must be placed on a flat, rigid surface using protective elements (i.e. wooden wedges) and arranged at a slight slope to evacuate any water caused by condensation.*

*When stacked in packs, galvanized steel and zinc aluminium are sensitive to moisture, condensation and rain. Water infiltrated between the sheets can lead to the formation of a zinc hydrogen carbonate commonly known as “white oxide” in galvanized steel or black spots in the case of zinc aluminium.*

- *This oxide is not harmful to the sheet metal yet it may affect the aesthetics.*
- *Packs of sheet metal must always be covered and ventilated (covered warehouse, a canvas covering the pack yet separated from it with wedges at different heights).*
- *EUROPERFIL will not be liable if these rules are not observed.*

*The sheets must be stored at a slight incline so that water doesn't accumulate on the surface. Coated products are sensitive to moisture and require ventilation between stacked items.*

*Opening the packs, unstacking the items and removing the protective film if long-term storage is expected is recommended. In any case, the packs must be opened three weeks after delivery to ventilate the inside of the packs.*



Atención al apilado excesivo de paquetes, pues las piezas son deformables y su puesta en obra podría verse perjudicada.

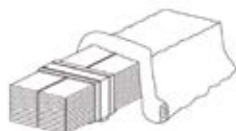
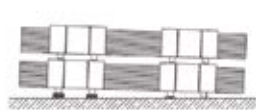
*Be careful not to stack packs excessively as the items are deformable and their use in construction jobs may be affected.*

En el caso que no pueda almacenarse el producto en el interior de sus instalaciones recomendamos cubrir los perfiles con un toldo para protegerlos del sol permitiendo siempre la ventilación del material.

*If the product cannot be stored inside your facilities, we recommend covering the profiles with a canvas to protect them from the sun and always ensure the material is well-ventilated.*

Europafil se considerará libre de toda responsabilidad en caso de no respetarse estas normas.

*Europafil will not be liable if any of these rules are not observed.*



## MANIPULACIÓN

Debe evitarse el contacto directo entre las piezas, una vez retirado el film de protección, con el objetivo de:

- Que no se produzcan ralladuras.
- Que no se produzcan deformaciones, consiguiendo un acabado de calidad.

Atención: El film de protección tendrá que retirarse en un período no superior a 20 días desde su exposición a la intemperie. La alta temperatura puede dificultar su retirada por lo que recomendamos efectuarlo en baja temperatura.

## HANDLING

*Avoid direct contact between parts once the protective film is removed to prevent:*

- *Scratches.*
- *Deformations, to get a quality finish.*

*Attention: The protective film must be removed before 20 days after exposure to the elements. High temperatures may make it difficult to remove, so we recommend doing so when the temperature is low.*

## EMBALAJE ESTANDAR

Deben tomarse las precauciones necesarias en cuanto a la elevación de los paquetes, para no deteriorar las partes frágiles del producto. La elevación debe efectuarse con los elementos apropiados como eslingas, gazas (modalidad de eslinga flexible), etc.

Tenga especial cuidado en operaciones de manipulación manual. Las zonas del solape son partes frágiles y se doblan con facilidad. Se recomienda sujetar el panel por la base de la parte inferior.

## STANDARD PACKAGING

*The necessary precautions must be taken as far as hoisting the packs so the fragile parts of the product do not deteriorate. Hoisting must be done with the appropriate resources such as slings, loops (a type of flexible sling), etc.*

*Be particularly careful with manual handling operations. The overlapped areas are fragile parts and easily bend. Holding the panel by the base at the bottom is recommended.*

## MANTENIMIENTO

Es conveniente realizar un control anual que incluya la búsqueda de puntos de corrosión, tanto en la pintura como en la protección de los accesorios y aplicación de los medios apropiados para remediarlo, así como un mantenimiento preventivo anual que incluya la retirada de vegetación y residuos diversos que puedan provocar retenciones de agua en la cubierta, la revisión de los sistemas de evacuación de las aguas pluviales y el lavado de las fachadas.

## MAINTENANCE

*An annual inspection should be done to check for any corrosion in the paint or accessory protection. Use the appropriate resources for any corrections as well as annual preventive maintenance including the removal of miscellaneous vegetations or waste which may cause water retention on the roof. Check rainwater drainage systems and rinse facades.*

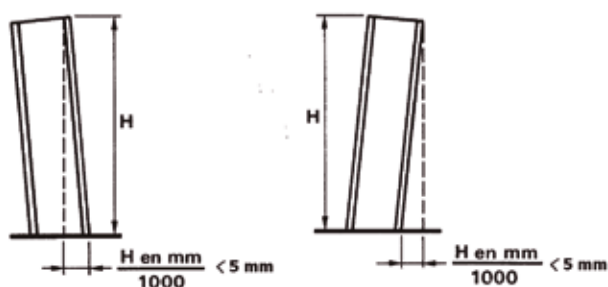
## MONTAJE

Antes de iniciar el montaje, y para asegurarse la correcta colocación del paramento de fachada, se deberá verificar la estructura para que cumpla con los siguientes requisitos:

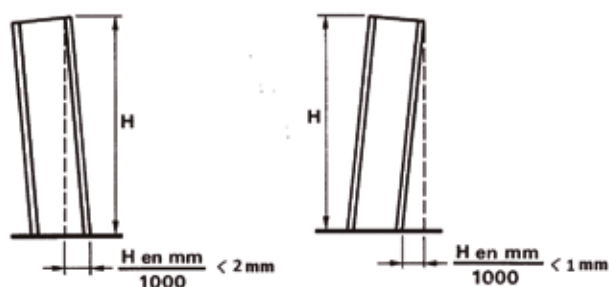
### 1. Aplomado

- **Perfiles de efachada:** el desplome será como máximo de 5 mm en toda la altura.
- **Paneles de fachada:** el nivelado será como máximo de 2mm para la altura total de la estructura, y como máximo de 1mm para cada metro lineal de fachada..

Perfiles Profiles

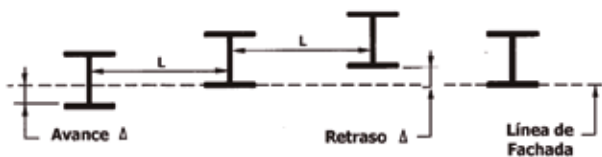


Paneles Panels



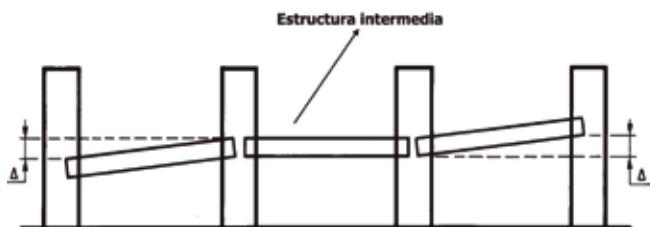
### 2. Planimetría

- **Perfiles de efachada:**  
 $\Delta$  = Intervalo de tolerancia en mm,  
 $\Delta \text{ max.} = 8 \text{ mm}$   
 $\Delta = L/1000 \times 4/3$   
 $L$  = Distancia entre pilares en mm  
Las tolerancias máximas posibles sobre la altura del edificio son: [- 8 mm; 0] ó [0; + 8 mm]
- **Paneles de fachada**  
 $\Delta: (L/1000) \cdot (4/3)$  donde:  $\Delta$ : intervalo de tolerancia en mm, donde  $\Delta \text{ max.} = 1 \text{ mm}$ .  
 $L$ : Distancia entre pilares en mm.  
La tolerancia máxima posible sobre la altura del edificio es: [-1 mm; 0] o bien [0;+1 mm]



### 3. Horizontalidad

El intervalo de tolerancia es:  $\Delta = [-1 \text{ mm}; +1 \text{ mm}]$  por metro lineal de fachada  
 $\Delta \text{ max.} = 10 \text{ mm}$  para la totalidad de la fachada



## ASSEMBLY

Before beginning any assembly and to ensure proper facade installation, check that the structure meets the following requirements:

### 1. Vertical alignment

- **Facade profiles:** the vertical alignment shall be a maximum of 5 mm at all height.
- **Facade panels:** the levelling shall be a maximum of 2 mm for the total height of the structure and a maximum of 1 mm for each linear metre of the facade.

### 2. Planimetry

- **Facade profiles:**  
 $\Delta$  = Tolerance interval in mm,  
 $\Delta \text{ max.} = 8 \text{ mm}$   
 $\Delta = L/1000 \times 4/3$   
 $L$  = Distance between pillars in mm  
The maximum possible tolerances over the height of the building are: [- 8 mm; 0] ó [0; + 8 mm]
- **Facade panels:**  
 $\Delta: (L/1000) \cdot (4/3)$  where:  $\Delta$ : tolerance interval in mm, where  $\Delta \text{ max.} = 1 \text{ mm}$ .  
 $L$ : Distance between pillars in mm.  
The maximum tolerance possible over the height of the building is: [-1 mm; 0] or [0;+1 mm]

### 3. Horizontalness

The tolerance interval is:  $\Delta = [-1 \text{ mm}; +1 \text{ mm}]$  per linear metre of facade.  
 $\Delta \text{ max.} = 10 \text{ mm}$  for the entire facade



#### 4. Vista lateral

El intervalo de tolerancia es de [-1mm; +1mm] por cada metro lineal de fachada.

$\Delta$  max. = 3mm para la totalidad del largo de la fachada.

#### 5. Vista transversal

El intervalo de tolerancia es de [-1mm; +1mm] por cada metro lineal.

$\Delta$  max. = 2mm para la totalidad de la altura de la fachada.



#### 4. Side view

The tolerance interval is [-1mm; +1mm] per linear metre of facade.

$\Delta$  max. = 3mm for the entire length of the facade.

#### 5. Cross view

The tolerance interval is [-1mm; +1mm] per linear metre

$\Delta$  max. = 2mm for the entire height of the facade

Avoid direct contact between:

- Galvanized steel and copper, unprotected steel, gypsum, holm oak wood, chestnut wood and acidic woods (cedar).

- Zinc aluminium and lead over unprotected steel, alkaline materials (cement, mortar, plaster, etc.), wood (especially if treated with preservatives).

For proper installation, see the practical assembly guide for each product.

EUROPERFIL will not be liable if any of these rules are not observed.

Se debe evitar el contacto directo entre:

- Acero galvanizado y cobre, acero no protegido, yeso, madera de encina, castaño y maderas ácidas (cedro)

- Aluzinc i plomo, sobre, acero no protegido, materiales alcalinos (cemento, mortero, escayola, etc.) madera (especialmente si ha recibido el tratamiento con conservantes)

Para una correcta instalación, ver la guía práctica de montaje de cada producto.

EUROPERFIL se considerará libre de toda responsabilidad en caso de no respetarse estas normas.

|                          |  |                         |      |                                    |  |
|--------------------------|--|-------------------------|------|------------------------------------|--|
| Cliente <i>Client</i>    |  |                         | NIF  |                                    |  |
| Dirección <i>Address</i> |  |                         | Tel. |                                    |  |
|                          |  |                         | Fax. |                                    |  |
| CP                       |  | Provincia <i>Region</i> |      | Persona de contacto <i>Contact</i> |  |

País *Country*:  Obra *Work*: ☐ Obra nueva *New Construction* ☐ Ampliación obra *Work extension*

|                          |  |                                        |
|--------------------------|--|----------------------------------------|
| Ref. Obra <i>Project</i> |  | Fecha de solicitud <i>Request date</i> |
| Dirección <i>Address</i> |  |                                        |

Materia Prima *Raw Material*:

☐ Acero *Steel*:

☐ Galvanizado *Galvanized*

☐ Prelacado *Pre-Lacquered*

☐ Otros *Others* (Al, Zn, Cu...): \_\_\_\_\_

☐ Color *Colour*: \_\_\_\_\_

Revestimiento Coating:

- ☐ Esmeralda Basic
- ☐ Esmeralda Plus
- ☐ Esmeralda Excel
- ☐ Esmeralda Optim
- ☐ Diamante Excel
- ☐ Diamante Optim
- ☐ Diamante Optim +
- ☐ Rubí Plus
- ☐ Rubí Excel
- ☐ Rubí Optim
- ☐ Zafiro Silver
- ☐ Zafiro Gold
- ☐ Zafiro Premium
- ☐ Zafiro Elit
- ☐ Zafiro Platinum

**Espesor perfil** *Thickness Profile*

☐ 0,50 mm

☐ 0,60 mm

☐ 0,70 mm

☐ 0,75 mm

☐ 1,00 mm

☐ 1,20 mm

☐

Posición color *Color Position:*  
☐ Cubierta *Cover*

 ☐ Fachada *Facade*

Perforación *Perforated*:  
☐ Haironphone  
☐ Redondo *Round* B T

Zona perforada *Perforated area:*

- ☐ Todo ancho *Fully*
- ☐ Valle *Valley*
- ☐ Lateral nervio *Webs*
- ☐ Otro *Other*

Perfil *Profile:*

- ☐ EUROLINE 12
- ☐ EUROFORM 23
- ☐ EUROFORM 34
- ☐ EUROCORDER 34N
- ☐ EUROCORDER 40N
- ☐ EUROBASE 40
- ☐ EUROMODUL 44
- ☐ EUROBASE 48
- ☐ EUROBASE 56
- ☐ EUROBASE 67
- ☐ EUROBAC 80
- ☐ EUROBASE 106
- ☐ EUROBAC 150
- ☐ EUROLINE 300
- ☐ EUROLINE AV
- ☐ GIZA
- ☐ ATENEA
- ☐ EGOE
- ☐ CRETA
- ☐ MINIONDA
- ☐ MEDEA
- ☐ KEOPS
- ☐ AXIOS
- ☐ KEFREN 3.1
- ☐ KEFREN 3.2
- ☐ HAIRCOL 59
- ☐ EUROCOL 60
- ☐ KORONA 60

[illegible][illegible]

Aplicación Scope: ☐ CD ☐ CS ☐ FS ☐ FA ☐ FC ☐ EP

## OBSERVACIONES REMARKS

· Condiciones de pago *Payment conditions* \_\_\_\_\_

· Precio / m<sup>2</sup> *Price / m<sup>2</sup>* \_\_\_\_\_

· Transporte *Transport* ☐ Incluido *Included* ☐ No incluido *Not included*  
☐ Medios del cliente *Customer transport*

· Importe total *Total Amount* \_\_\_\_\_ €

## FIRMA Y SELLO DE LA EMPRESA SIGNATURE AND COMPANY STAMP

|                                        |                             |
|----------------------------------------|-----------------------------|
| Empresa <i>Company</i>                 | Fecha <i>Date</i>           |
| Persona contacto <i>Contact Person</i> | Ref. obra <i>Project</i>    |
| Teléfono <i>Phone number</i>           | Superficie <i>Area (m²)</i> |
| Fax <i>Fax</i>                         | Uso <i>Use</i>              |
| E-mail <i>E-mail</i>                   |                             |

Perfil colaborante *Profiled steel sheeting*:

- ☐ HAIRCOL 59 FC  
☐ EUROCOL 60 FC  
☐ KORONA 60 FC  
☐ Indiferente *Indifferent*

**MONTAJE EN OBRA CONSTRUCTION**

- Número de vanos (und.) *Number of beams (uts)* \_\_\_\_\_ (1-8)
- Vano número *Beam number* \_\_\_\_\_
- Distancia entre ejes de estructura *Span (m)* \_\_\_\_\_
- Despiece de chapas cubriendo los vanos de estudio (nº de vanos por perfil) \_\_\_\_\_  
*Number of beams per sheet*
- Solución de losa *Type of slab*:  
☐ Continua apoyada sobre estructura *Continuous beam*  
☐ Embebida en estructura y enrasada *Simply supported beam*
- ¿Se permite apuntalamiento? *Is slab propping allowed?*  
☐ SÍ YES  
☐ NO

**MATERIALES MATERIALS**

- Resistencia característica a la compresión del hormigón, fck (MPa)  
*Characteristic value of the cylinder compressive strength of concrete at 28 days, fck (daN/cm²)*  
☐ 250 (por defecto *by default*)  
☐ 300  
☐ 350
- Límite elástico de las armaduras de acero, fsk (MPa)  
*Characteristic value of the yield strength of reinforcing steel, fsk (daN/cm²)*  
☐ 500 (por defecto *by default*)  
☐ 400
- Valores prefijados, en caso de existir *Standard values*  
 Canto total de losa, desde el fondo del nervio *Thickness of the composite slab (cm)* \_\_\_\_\_ (11 a/to 20)  
 Espesor de chapa *Thickness of profile (mm)*  
☐ 0,75 ☐ 1,00 ☐ 1,20

**SOLICITACIÓN REQUIREMENTS**

- Sobrecarga de uso, SCU (daN/m²) *Imposed loads, SCU (daN/m²)* \_\_\_\_\_  
 Coeficiente de mayoración de cargas variables, SCU (si es diferente a 1,50 según CTE/Eurocódigo) \_\_\_\_\_  
*Partial factor for imposed load, SCU (1,50 according to Eurocode)*
- Cargas permanentes, CP (daN/m²) *Dead loads, CP (daN/m²)* \_\_\_\_\_  
 Coeficiente de mayoración de cargas permanentes, CP (si es diferente a 1,35 según CTE/Eurocódigo) \_\_\_\_\_  
*Partial factor for dead load, CP (1,35 according to Eurocode)*
- Cargas rodantes *Concentrated point loads (wheels)*  
 Carga por rueda *Wheel load (daN)*: \_\_\_\_\_  
 Huella a x b · a (cm) \_\_\_\_\_  
 Length and Width, a x b · b (cm) \_\_\_\_\_  
 Carga por eje *Axle load (daN)* \_\_\_\_\_
- Comportamiento frente al fuego *Behaviour in a fire design situation*  
 Exigencia (min) *Requirement (min)*: ☐ R 60 ☐ R 90 ☐ R 120 ☐ REI 60 ☐ REI 90 ☐ REI 120  
 Atención: Para cumplir con la exigencia de aislamiento (I), el canto mínimo de losa es: 12 cm para I60 14 cm para I90 16 cm para I120  
 Warning: To fulfil the thermal insulation requirement (I), min. thk. of the composite slab: 12 cm for I60 14 cm for I90 16 cm for I120
- Cargas puntuales fijas *Concentrated point loads (permanent loads)*  
 En caso de existir, se necesita completar este formulario adjuntando plano con ubicación y valor  
*In this case, a drawing indicating the location and value of the load is necessary*

**COMENTARIOS REMARKS**

## Hoja de pedido de paneles

Panels purchase order

|                          |                         |                                                             |                                                                |
|--------------------------|-------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| Cliente <i>Client</i>    |                         | NIF                                                         |                                                                |
| Dirección <i>Address</i> |                         | Tel.                                                        |                                                                |
|                          |                         | Fax.                                                        |                                                                |
| CP                       | Provincia <i>Region</i> | Personas de contacto <i>Contact</i>                         |                                                                |
| País <i>Country</i> :    | Obra <i>Work</i> :      | <input type="checkbox"/> Obra nueva <i>New Construction</i> | <input type="checkbox"/> Ampliación obra <i>Work extension</i> |
| Ref. Obra <i>Project</i> |                         | Uso edificio <i>Building use</i>                            |                                                                |
| Dirección <i>Address</i> |                         | Fecha solicitada de entrega <i>Delivery date requested</i>  |                                                                |

## COLOR EXT. EXT. COLOUR

☐ Color ext. Ext. Colour

## REVESTIMIENTO EXTERIOR EXTERNAL COATING

- |                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Esmeralda Basic   | <input type="checkbox"/> Rubí Excel        |
| <input type="checkbox"/> Esmeralda Plus    | <input type="checkbox"/> Rubí Optim        |
| <input type="checkbox"/> Esmeralda Excel   | <input type="checkbox"/> Zafiro Silver     |
| <input type="checkbox"/> Esmeralda Optim   | <input type="checkbox"/> Zafiro Gold       |
| <input type="checkbox"/> Diamante Excel    | <input type="checkbox"/> Zafiro Premium    |
| <input type="checkbox"/> Diamante Optim    | <input type="checkbox"/> Zafiro Elit       |
| <input type="checkbox"/> Diamante Optim +  | <input type="checkbox"/> Zafiro Platinum   |
| <input type="checkbox"/> Diamante Platinum | <input type="checkbox"/> Otro <i>Other</i> |
| <input type="checkbox"/> Rubí Plus         |                                            |

## COLOR INT. INT. COLOUR

☐ Color int. Int. Colour

## REVESTIMIENTO INTERIOR INTERNAL COATING

- |                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Esmeralda Basic   | <input type="checkbox"/> Rubí Excel        |
| <input type="checkbox"/> Esmeralda Plus    | <input type="checkbox"/> Rubí Optim        |
| <input type="checkbox"/> Esmeralda Excel   | <input type="checkbox"/> Zafiro Silver     |
| <input type="checkbox"/> Esmeralda Optim   | <input type="checkbox"/> Zafiro Gold       |
| <input type="checkbox"/> Diamante Excel    | <input type="checkbox"/> Zafiro Premium    |
| <input type="checkbox"/> Diamante Optim    | <input type="checkbox"/> Zafiro Elit       |
| <input type="checkbox"/> Diamante Optim +  | <input type="checkbox"/> Zafiro Platinum   |
| <input type="checkbox"/> Diamante Platinum | <input type="checkbox"/> Otro <i>Other</i> |
| <input type="checkbox"/> Rubí Plus         |                                            |

ESPESOR CHAPA EXTERIOR  
EXTERIOR SHEET THICKNESS
☐ 0,5 mm ☐ 0,6 mm  
☐ Otro *Other*
ESPESOR CHAPA INTERIOR  
INTERIOR SHEET THICKNESS
☐ 0,5 mm ☐ 0,6 mm  
☐ Otro *Other*

## ESPESOR PANEL THICKNESS PANEL

☐ 30 (Delfos) ☐ 35 (Olimpia) ☐ 40 ☐ 50 ☐ 60 ☐ 70 (No PIR) ☐ 80 (No PIR) ☐ 100 (No PIR) ☐ 120 Artic ☐ 150 Artic ☐ 200 Artic

## PANEL PANEL

- |                                       |                                         |                                     |
|---------------------------------------|-----------------------------------------|-------------------------------------|
| <input type="checkbox"/> DELFOS 1150  | <input type="checkbox"/> ETNA ADV. 600  | <input type="checkbox"/> NILHO 600  |
| <input type="checkbox"/> DELFOS 1000  | <input type="checkbox"/> ETNA ADV. 900  | <input type="checkbox"/> NILHO 900  |
| <input type="checkbox"/> OLIMPIA 1100 | <input type="checkbox"/> ETNA ADV. 1000 | <input type="checkbox"/> NILHO 1000 |
| <input type="checkbox"/> ÁTICA 1100   | <input type="checkbox"/> ARTIC 1150     | <input type="checkbox"/> NILHO 1100 |
| <input type="checkbox"/> GALATEA 1100 | <input type="checkbox"/> ARTIC 1075     | <input type="checkbox"/> NEREO 1000 |
| <input type="checkbox"/> ETNA 600     | <input type="checkbox"/> RODAS 600      |                                     |
| <input type="checkbox"/> ETNA 900     | <input type="checkbox"/> RODAS 900      |                                     |
| <input type="checkbox"/> ETNA 1000    | <input type="checkbox"/> RODAS 1000     |                                     |

## AISLANTE FOAM

- ☐
- PUR (B-s2,d0)
- 
- ☐
- PIR (B-s1,d0)

## MEDIDAS DIMENSIONS

| Cantidad<br>Quantity<br>(u.) | Longitud<br>Length<br>(mm) | Cantidad<br>Quantity<br>(u.) | Longitud<br>Length<br>(mm) | Precio<br>Price<br>(€/m²) |
|------------------------------|----------------------------|------------------------------|----------------------------|---------------------------|
|                              |                            |                              |                            |                           |
|                              |                            |                              |                            |                           |
|                              |                            |                              |                            |                           |
|                              |                            |                              |                            |                           |
|                              |                            |                              |                            |                           |

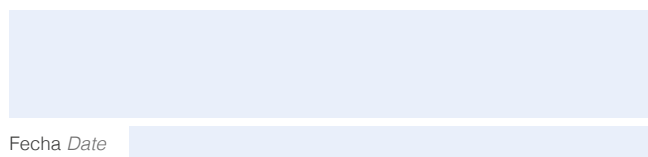
| ACCESORIOS Y TRANSFORMACIONES ACCESSORIES AND TRANSFORMATIONS                                                                  | Cantidad<br>Quantity (u.) | Longitud.<br>length (mm) | Color         | Precio<br>Price |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|---------------|-----------------|
| JUNTA EPDM LONGITUDINAL <i>Longitudinal gasket seal</i> (Olimpia, Etna, Galatea, Nilho, Rodas y Ática) <sup>1</sup>            |                           |                          | Negro / Black | (ml)            |
| JUNTA EPDM TRANSVERSAL <i>Transversal gasket seal Y</i> (Olimpia, Etna, Galatea, Nilho, Rodas y Ática) <sup>2</sup>            |                           |                          | Negro / Black | (ml)            |
| JUNTA EPDM TRANS. T (rellena) <i>Trans. gasket seal T (filled)</i> (Olimpia, Etna, Galatea, Nilho, Rodas y Ática) <sup>2</sup> |                           |                          | Negro / Black | (ml)            |
| JUNTA DE ALUMINIO <i>Aluminium gasket seal</i> (Olimpia, Etna, Galatea, Nilho, Rodas y Ática) <sup>2</sup>                     |                           |                          |               | (ml)            |
| JUNTA EPDM LONGITUDINAL <i>Longitudinal gasket seal</i> (Etna Advance) <sup>1</sup>                                            |                           |                          | Negro / Black | (ml)            |
| JUNTA EPDM TRANSVERSAL <i>Gasket seal</i> (Etna Advance) <sup>2</sup>                                                          |                           |                          | Negro / Black | (ml)            |
| GRAPA DE ARRANQUE (Paneles colocación horizontal) <i>Anchor clip (horizontal placement panels)</i>                             |                           |                          |               | (u.)            |
| GRAPA DE REPARTO <i>LOAD DISTRIBUTION PLATE</i>                                                                                |                           |                          |               | (u.)            |
| JUEGO 2 IMANES GALGA Y 1 RODILLO <i>Set 2 magnets seal + 1 roller</i> (Etna y Galatea) <sup>3</sup>                            |                           |                          |               | (u.)            |
| TAPETA PANEL DELFOS <i>Delfos panel metal filler</i> <input type="checkbox"/> Delfos 1150 <input type="checkbox"/> Delfos 1000 |                           |                          |               | (u.)            |
| CORTE PARA SOLAPE TRANSVERSAL (Delfos) <i>Cutting for transverse overlap</i>                                                   |                           |                          |               |                 |
| CORTE PARA SOLAPE TRANSVERSAL CON FILM (Delfos) <i>Cutting for transverse overlap with film</i>                                |                           |                          |               |                 |
| JUNTA ESTANCA <i>Filler block</i> <input type="checkbox"/> Delfos 1150 <input type="checkbox"/> Delfos 1000                    |                           |                          |               | (ml)            |

(1) Colocación en horizontal *Horizontal installation* • (2) Colocación en vertical *Vertical installation* • (3) Para colocación Junta de Goma Transversal *For transverse rubber seal installation*

## OBSERVACIONES REMARKS

• Condiciones de pago *Payment conditions* \_\_\_\_\_• Precio / m² *Price / m²* \_\_\_\_\_
 • Transporte *Transport* ☐ Incluido *Included* ☐ No incluido *Not included*  
☐ Medios del cliente *Customer transport*
• Importe total *Total Amount* \_\_\_\_\_ €

## FIRMA Y SELLO DE LA EMPRESA SIGNATURE AND COMPANY STAMP

|                         |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Fecha <i>Date</i> _____ |  |
|-------------------------|--------------------------------------------------------------------------------------|



## Hoja de pedido. Esquinas de panel en posición horizontal

Purchase order. Horizontal panel corners

|                          |                         |                                                            |                                                                                                                            |
|--------------------------|-------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Cliente <i>Client</i>    |                         | NIF                                                        |                                                                                                                            |
| Dirección <i>Address</i> |                         | Tel.                                                       |                                                                                                                            |
|                          |                         | Fax.                                                       |                                                                                                                            |
| CP                       | Provincia <i>Region</i> | Personas de contacto <i>Contact</i>                        |                                                                                                                            |
| País <i>Country</i> :    |                         | Obra <i>Work</i> :                                         | <input type="checkbox"/> Obra nueva <i>New Construction</i> <input type="checkbox"/> Ampliación obra <i>Work extension</i> |
| Ref. Obra <i>Project</i> |                         | Uso edificio <i>Building use</i>                           |                                                                                                                            |
| Dirección <i>Address</i> |                         | Fecha solicitada de entrega <i>Delivery date requested</i> |                                                                                                                            |



ESQUINA EN L  
EXTERNAL L CORNER



RINCÓN EN L  
INTERNAL L CORNER



ESQUINA EN U  
EXTERNAL U CORNER



RINCÓN EN U  
INTERNAL U CORNER



ESQUINA EN Z  
EXTERNAL Z CORNER



ESQUINA EN CURVA  
EXT. CURVED CORNER



RINCÓN EN CURVA  
INT. CURVED CORNER

### COMPOSICIÓN DE PANEL *PANEL COMPOSITION*

|                                                                           |  |                                      |  |                                                            |  |
|---------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------------|--|
| Espesor chapa exterior (mm)<br><i>Exterior metal sheet thickness (mm)</i> |  | Color exterior <i>Exterior color</i> |  | Revestimiento exterior<br><i>Exterior coating cladding</i> |  |
| Espesor chapa interior (mm)<br><i>Internal metal sheet thickness (mm)</i> |  | Color interior <i>Interior color</i> |  | Revestimiento interior<br><i>Interior coating lining</i>   |  |
| Espesor de panel (mm)<br><i>Panel thickness (mm)</i>                      |  | Tipo de espuma <i>Type of foam</i>   |  |                                                            |  |

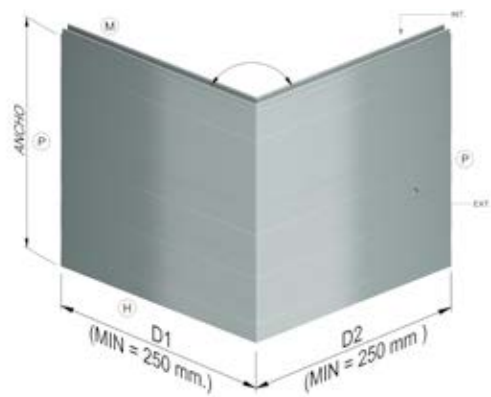
| PANEL | CANTIDAD<br>(piezas)<br>Quantity<br>(pieces) | ÁNGULO (Grados) <i>ANGLE (Grades)</i> |                     |                      |                     |                      | COTAS ÚTILES <i>USEFUL DIMENSIONS (mm)</i> |    |    |    |
|-------|----------------------------------------------|---------------------------------------|---------------------|----------------------|---------------------|----------------------|--------------------------------------------|----|----|----|
|       |                                              | Esquina<br>E. Corner                  | Rincón<br>I. Corner | Esquina<br>E. Corner | Rincón<br>I. Corner | Esquina<br>E. Corner | Longitud <i>length</i> :                   |    |    |    |
|       |                                              | L                                     |                     | U                    |                     | Z                    | Total                                      | D1 | D2 | D3 |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |
|       |                                              |                                       |                     |                      |                     |                      |                                            |    |    |    |

### OBSERVACIONES *REMARKS*

- Condiciones de pago *Payment conditions* \_\_\_\_\_
- Precio / m<sup>2</sup> *Price / m<sup>2</sup>* \_\_\_\_\_
- Transporte *Transport* ☐ Incluido *Included* ☐ No incluido *Not included*  
☐ Medios del cliente *Customer transport*
- Importe total *Total Amount* \_\_\_\_\_ €

### FIRMA Y SELLO DE LA EMPRESA *SIGNATURE AND COMPANY STAMP*

|                   |
|-------------------|
|                   |
| Fecha <i>Date</i> |

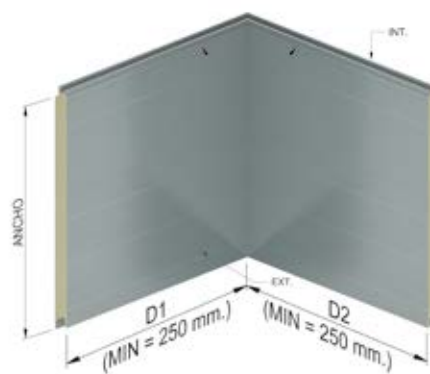
**ESQUINA EN "L" EXTERNAL "L" CORNER**

(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 170

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud máxima *Maximum overall length*: min. 6.000 mm

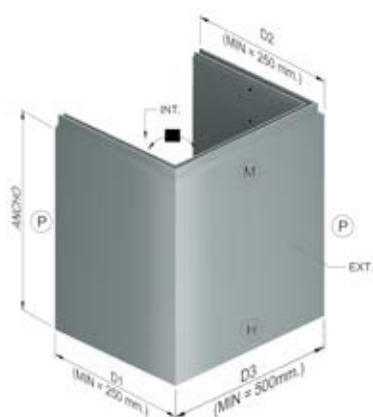
**RINCÓN EN "L" INTERNAL "L" CORNER**

(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 170

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud máxima *Maximum overall length*: min. 6.000 mm

**ESQUINA EN "U" EXTERNAL "U" CORNER**

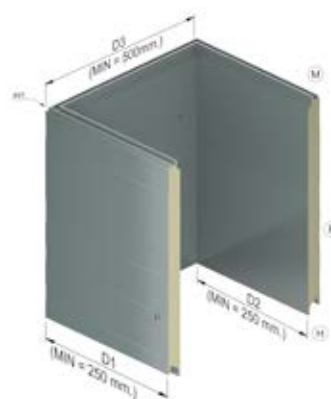
(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 170

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud mínima *Minimum length* D3: 500 mm

Longitud máxima *Maximum overall length*: min. 6.000 mm

**RINCÓN EN "U" INTERNAL "U" CORNER**

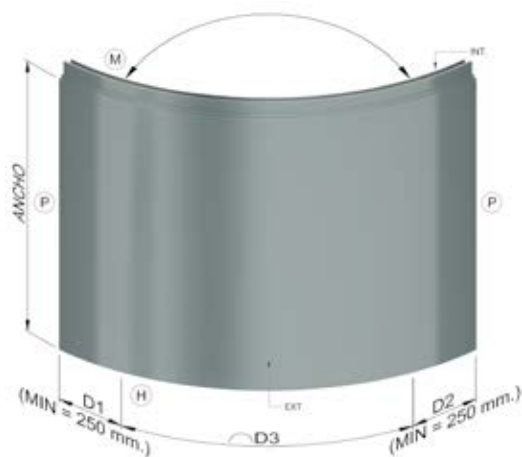
(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 170

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud mínima *Minimum length* D3: 500 mm

Longitud máxima *Maximum overall length*: 6.000 mm



#### ESQUINA EN CURVA EXTERNAL CURVED CORNER

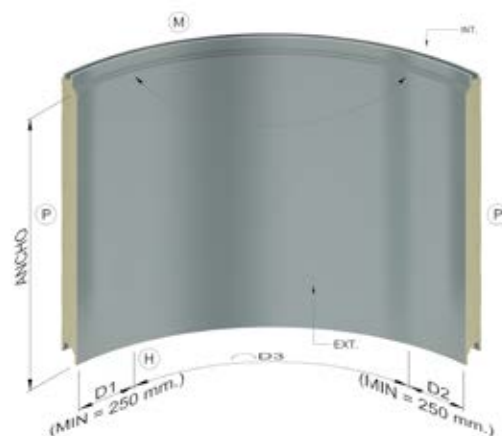
(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 160

Radio min. curvatura *Min. curved radius*: 500mm

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud máxima *Maximum overall length*: 6.000 mm



#### RINCÓN EN CURVA INTERNAL CURVED CORNER

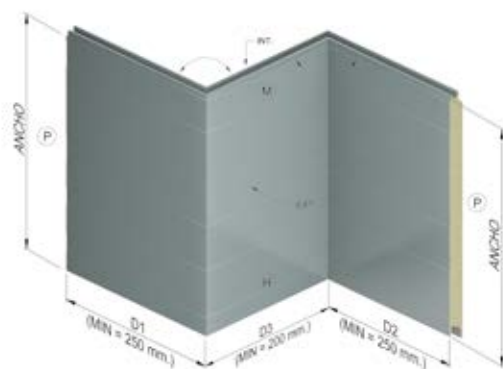
(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 160

Radio min. curvatura *Min. curved radius*: 500mm

Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud máxima *Maximum overall length*: 6.000 mm



#### ESQUINA EN "Z" EXTERNAL "Z" CORNER

(disponible para paneles *available for panels* Etna<sup>1</sup>, Galatea, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo *Angle*(°): min. 45 / std. 90 / max. 170

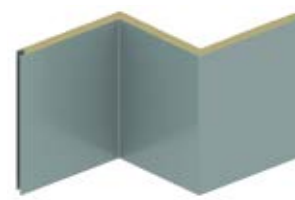
Longitud mínima *Minimum length*: D1 + D2: 250mm

Longitud mínima *Minimum length* D3: 200 mm

Longitud máxima *Maximum overall length*: min. 6.000 mm

*Purchase order. Panel corners. Vertically laid.*

|                          |  |                                                            |                                                                                                                            |
|--------------------------|--|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Cliente <i>Client</i>    |  | NIF                                                        |                                                                                                                            |
| Dirección <i>Address</i> |  | Tel.                                                       |                                                                                                                            |
|                          |  | Fax.                                                       |                                                                                                                            |
| CP                       |  | Provincia <i>Region</i>                                    |                                                                                                                            |
| País <i>Country</i> :    |  | Obra <i>Work</i> :                                         | <input type="checkbox"/> Obra nueva <i>New Construction</i> <input type="checkbox"/> Ampliación obra <i>Work extension</i> |
| Ref. Obra <i>Project</i> |  | Uso edificio <i>Building use</i>                           |                                                                                                                            |
| Dirección <i>Address</i> |  | Fecha solicitada de entrega <i>Delivery date requested</i> |                                                                                                                            |



ESQUINA. EN Z  
EXTERNAL Z CORNER

## COMPOSICIÓN DE PANEL COMPOSITION OF PANEL

|                                                                     |  |                                          |                                                               |  |
|---------------------------------------------------------------------|--|------------------------------------------|---------------------------------------------------------------|--|
| Espesor chapa exterior (mm)<br><i>Sheet metal thickness (mm)</i>    |  | Color exterior <i>Exterior color</i>     | Revestimiento exterior<br><i>Exterior cladding</i>            |  |
| Espesor total panel (mm)<br><i>Total panel thickness (mm)</i>       |  | Material interior <i>Inside material</i> | Espuma de poliuretano (PUR)<br><i>Polyurethane Foam (PUR)</i> |  |
| Espesor chapa interior (mm)<br><i>Internal sheet thickness (mm)</i> |  | Color interior <i>Interior color</i>     | Revestimiento interior <i>Interior lining</i>                 |  |

[illegible]

## OBSERVACIONES REMARKS

· Condiciones de pago *Payment conditions* \_\_\_\_\_

· Precio / m<sup>2</sup> *Price / m<sup>2</sup>* \_\_\_\_\_

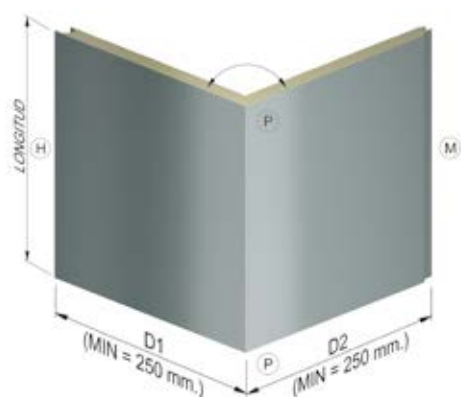
· Transporte *Transport* ☐ Incluido *Included* ☐ No incluido *Not included*  
☐ Medios del cliente *Customer transport*

· Importe total *Total Amount* \_\_\_\_\_ €

## FIRMA Y SELLO DE LA EMPRESA SIGNATURE AND COMPANY STAMP

Fecha *Date*





## ESQUINA EN "L" EXTERNAL "L" CORNER

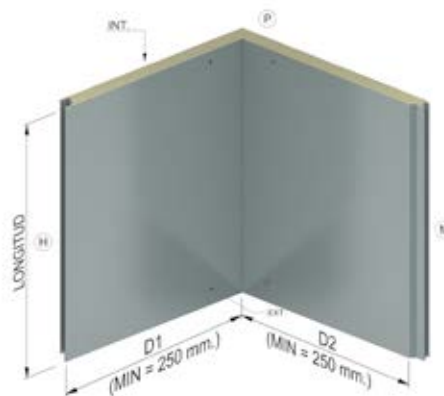
(disponible para paneles available for panels Etna<sup>1</sup>, Galatea, Ática<sup>2</sup>, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo Angle(°): min. 45 / std. 90 / max. 170

Longitud mínima Minimum length: D1 + D2: 250mm

Longitud mínima Minimum length: 500mm

Longitud máxima Maximum overall length: 6.000 mm



## RINCÓN EN "L" INTERNAL "L" CORNER

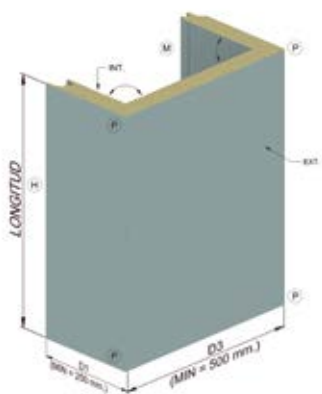
(disponible para paneles available for panels Etna<sup>1</sup>, Galatea, Ática<sup>2</sup>, Nilho<sup>1</sup> y Etna Advance<sup>1</sup>)

Ángulo Angle(°): min. 45 / std. 90 / max. 170

Longitud mínima Minimum length: D1 + D2: 250mm

Longitud mínima Minimum length: 500mm

Longitud máxima Maximum overall length: 6.000 mm



## ESQUINA EN "U" EXTERNAL "U" CORNER

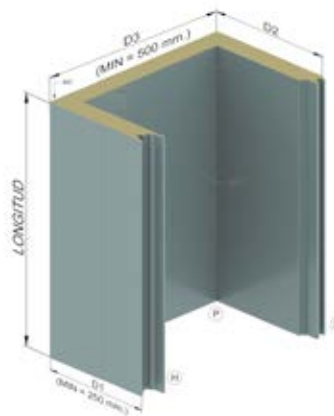
(disponible para paneles available for panels Etna<sup>3</sup>, Galatea, Ática<sup>2</sup>, Nilho<sup>3</sup> y Etna Advance<sup>3</sup>)

Ángulo Angle(°): min. 45 / std. 90 / max. 170

Longitud mínima Minimum length: D1 + D2: 250mm

Longitud mínima Minimum length D3: 500mm

Longitud total Overall length: min. 500 / máx. 6.000 mm



## RINCÓN EN "U" INTERNAL "U" CORNER

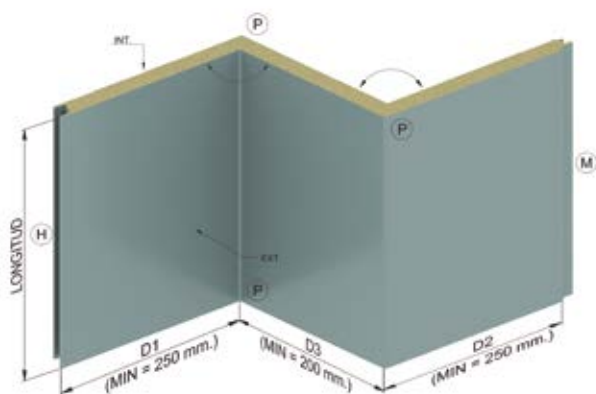
(disponible para paneles available for panels Etna<sup>3</sup>, Galatea, Ática<sup>2</sup>, Nilho<sup>3</sup> y Etna Advance<sup>3</sup>)

Ángulo Angle(°): min. 45 / std. 90 / max. 170

Longitud mínima Minimum length: D1 + D2: 250mm

Longitud mínima Minimum length D3: 500mm

Longitud total Overall length: min. 500 / máx. 6.000 mm



## ESQUINA EN "Z" EXTERNAL "Z" CORNER

(disponible para paneles available for panels Etna<sup>4</sup>, Galatea, Ática<sup>2</sup>, Nilho<sup>3</sup> y Etna Advance<sup>3</sup>)

Ángulo Angle(°): min. 45 / std. 90 / max. 170

Longitud mínima Minimum length: D1 + D2: 250mm

Longitud mínima Minimum length D3: 200mm

Longitud total Overall length: min. 500 / máx. 6.000 mm

<sup>1</sup> Aplicable en todos sus anchos de fabricación. Applicable to all widths.

<sup>2</sup> El plegado no puede coincidir con las muescas de la chapa exterior (espaciadas cada 275mm). The folding doesn't match with the exterior sheet notches (space between notches: 275mm).

<sup>3</sup> Aplicable a anchos de fabricación igual o superior a 1.000mm. Applicable for widths from 1000mm.

<sup>4</sup> Aplicable a anchos de fabricación igual o superior a 900mm. Applicable for widths from 900mm.

Se suministra con film protector en ambas caras. Supplied with a protective film on both sides.

# Condiciones generales de venta

## General sales terms

### ÁMBITO APLICACIÓN - ACUERDO ÍNTEGRO

1. Las presentes condiciones generales de venta (a continuación "CGV") son aplicables a todos los productos, accesorios o servicios ("Mercancías") ofrecidos por Europerfil ("Vendedor") al cliente ("Cliente"). LAS CGV, junto con las condiciones específicas contenidas en la confirmación del pedido del Vendedor ("Confirmación del Pedido") o el Contrato y únicamente estos documentos, constituyen el acuerdo íntegro entre el Cliente y el Vendedor, y anulan y sustituyen en su totalidad cualquier término y condición contraria propuesta por el Cliente, así como cualquier comunicación oral o escrita no incorporada en estos documentos. Los acuerdos establecidos entre el Vendedor o sus agentes y terceros sólo serán válidos si se cuenta con la confirmación por escrito del Vendedor.

2. Las presentes condiciones generales son complementarias de las particulares que por acuerdo entre las partes se establezcan y se acepten por escrito en cada caso y prevalecerán sobre las condiciones de compra de los clientes de EUROPERFIL.

### OFERTAS Y PEDIDOS

3. Salvo estipulación en contra, la documentación, los catálogos y las estimaciones se envían únicamente a título informativo, y las ofertas del Vendedor no tienen carácter vinculante.

4. El plazo de validez de las ofertas de EUROPERFIL es de una semana a partir de su fecha de emisión salvo estipulación en contra escrita en la oferta.

5. Los pedidos emitidos por el Cliente no suponen compromiso alguno para EUROPERFIL hasta que el Vendedor no haya recibido un ejemplar de la Confirmación de pedido emitida por el Vendedor, firmado y sellado por el Cliente, sin enmiendas ni modificaciones al mismo.

6. La devolución de la Confirmación de Pedido firmada por el Cliente en los cinco días laborales siguientes al envío de la misma por parte del Vendedor, constituye la aceptación por el Cliente del contrato definido por el presente documento.

7. Asimismo, cualquiera de los siguientes hechos implica la aceptación de todas y cada una de estas CGV:

- aceptar o recepcionar materiales suministrados por el Vendedor.
- devolver firmada la Confirmación de pedido a EUROPERFIL en el plazo establecido.
- conformar o aceptar la factura correspondiente.

8. En caso de introducción de pedido vía web, la Confirmación de Pedido estará constituida por el conjunto de elementos específicos de la compra del Cliente expresamente confirmados por el Vendedor. El hecho de que cualquiera de estas CGV o parte de las mismas resultase total o parcialmente sin efecto, inaplicable o ilegal, no afectará la validez de los demás términos y condiciones aquí expuestas.

### PRECIOS Y CONDICIONES DE PAGO

9. Todos los precios se calculan para Mercancías medidas y pesadas en el punto de partida. Salvo estipulación expresa en contrario en la Confirmación de Pedido, los precios son netos pagaderos por la forma de pago establecida en la misma. Corresponderá al Cliente el pago de todos los impuestos y gastos de transporte, seguros, expedición, almacenamiento, manipulación, sobreestadias y conceptos similares. Cualquier incremento de dichos costes efectivo a partir de la fecha de la Confirmación de Pedido será a cargo del Cliente.

10. Los precios, salvo si se especifica lo contrario por escrito por parte de EUROPERFIL, son para mercancías puestas en la fábrica de EUROPERFIL sin cargar, y comprenden embalajes y protecciones estándares del Vendedor (según procedimiento del Vendedor disponible en su web). Los costes de destrucción, reciclaje o almacenamiento, una vez efectuada la entrega serán a cargo del Cliente. Los materiales serán transportados por cuenta y riesgo del comprador, siendo responsabilidad de éste los daños y deterioros que concurren durante la carga, el transporte y la descarga, así como todos los gastos correspondientes a transporte y seguros, salvo que por acuerdo mutuo el contratista del transporte sea EUROPERFIL.

11. Si el suministro está sujeto a una exención de IVA según la normativa vigente, y el Cliente se hace cargo de la mercancía en punto de origen por su propia cuenta y riesgo según el INCOTERM pactado, deberá el Cliente presentar en un plazo no superior a diez días hábiles la documentación que acredite el tránsito o transporte al país destino y el despacho por aduana de las mismas. En caso contrario, se procederá a aplicar una penalización que corresponderá al coste de IVA no facturado.

### SUMINISTROS Y TRANSFERENCIA DE RIESGOS

12. Los plazos de entrega de los materiales suministrados por EUROPERFIL son susceptibles de sufrir cierta flexibilidad, salvo estipulación expresa en contra, no dando derecho a reclamación ni compensación. Los retrasos en la entrega darán derecho al Cliente únicamente a rescindir los pedidos relativos a Mercancías que no se encuentren aún en proceso de fabricación, y únicamente tras haber concedido al Vendedor un período de gracia atendiendo al plazo inicial de entrega y tras el envío de una notificación formal de incumplimiento.

13. Los plazos de entrega vinculantes sólo darán al Cliente derecho a indemnizaciones en la medida de que el Vendedor haya sido totalmente informado por escrito en el momento de la formalización del contrato de los posibles daños y pérdidas resultantes de un retraso de la entrega y de una evaluación aproximada de los diferentes elementos de los mismos. Asimismo, en caso de retrasos en la producción, el Vendedor tendrá derecho a no suministrar la cantidad íntegra solicitada por el Cliente en una sola entrega, sino a suministrar el material mediante sucesivas entregas parciales, siendo el comprador resarcido con una compensación económica correspondiente a un 0,25% sobre el importe de pedido no entregado por día de retraso.

14. La transferencia de riesgos, si no se pacta lo contrario por escrito, tendrá lugar en la fábrica del Vendedor antes de efectuarse la carga, y en el caso de utilización de Incoterms, la transferencia de riesgos tendrá lugar según el término aplicable (última versión de Incoterms publicada por la ICC). Si el cliente no se hiciera cargo de las Mercancías, previa notificación de su disponibilidad por el Vendedor, el Vendedor podrá almacenarlas a cuenta y riesgo del Cliente por un período no superior a 2 meses, y facturarlas como entregas. Pasado dicho plazo, y sin que ello requiera una notificación especial, el Vendedor podrá proceder a la reventa de las Mercancías o a su destrucción, y a reclamar indemnizaciones.

15. En el caso de que las Mercancías se vendan entregadas en destino, corresponderá al Vendedor la determinación de la ruta y de los medios de transporte, así como la selección de los agentes de transporte y de los transportistas. El Cliente tendrá la responsabilidad de facilitar al Vendedor, con la suficiente antelación para permitir a éste la realización de los trámites de expedición necesarios, toda la información requerida, incluyendo (a) las instrucciones de marcado y de expedición, (b) certificados de importación, documentos requeridos para la obtención de los permisos oficiales y cualquier otro documento previo a la expedición, y (c) en su caso, la confirmación del Cliente de que ha obtenido la apertura o establecimiento de una carta de crédito. En caso de no recibirse cualquiera de dichos documentos, instrucciones o confirmaciones, o si cualquiera de ellos puede (a juicio del Vendedor) provocar costes o retrasos, el Vendedor podrá, a su criterio y sin perjuicio de cualquier otra solución, demorar la fecha de expedición o cancelar este contrato. El Cliente se compromete a recepcionar las Mercancías en el lugar y fecha convenidos; en caso de que así no lo hiciera, la entrega se considerará realizada a todos los efectos en dicho lugar y fecha.

16. Cuando por causas atribuibles al cliente, Europerfil no pueda entregar el material después de 60 días desde la finalización de la fabricación, procederemos a facturar el material en las condiciones acordadas en el pedido. El material permanecerá en depósito en nuestros almacenes, a partir de la fecha de fabricación, hasta que sea retirado durante un periodo máximo de 6 meses. Europerfil emitirá una factura por ocupación del almacén a un precio de 5€ por metro cuadrado de espacio ocupado y mes de ocupación a partir de los 60 días desde la finalización de la fabricación. Transcurridos los 6 meses de material en depósito Europerfil podrá tramitar la correspondiente gestión de residuos para retirar el material de nuestros almacenes. El cliente no tendrá nada que reclamar a Europerfil transcurridos 6 meses desde la fabricación del material cuando el cliente no haya aceptado la entrega o este no haya sido recogido por el cliente.

### CONFORMIDAD - INSPECCIÓN - MONTAJE

17. El Cliente realizará en el punto de Entrega una inspección de las Mercancías para verificar el peso, la longitud y el ancho indicados en la Confirmación de Pedido, y cualquier defecto visible se registrará durante la inspección. En caso de que el Cliente no presente observaciones por escrito relativas a las Mercancías en el plazo de una semana (ley 15/2009-BOE 273, art.60) a partir de la entrega y antes de cualquier transformación ulterior de las mismas, las Mercancías se considerarán automáticamente aceptadas en el momento de la entrega al Cliente. Se considerarán las Mercancías entregadas a partir del momento que se firme el albarán presentado por el transportista, en el lugar y por personal indicado por el cliente. El Vendedor no aceptará reclamación alguna relativa a defectos o deficiencias de las Mercancías con respecto a los términos específicos de la Confirmación de Pedido que hubiesen podido ser constatados mediante una inspección visual, o si ésta no se hubiese efectuado.

18. En el momento de la recepción de las Mercancías en una obra, cualquiera inmovilización de los vehículos de transporte será a cargo del Cliente.

19. El Cliente se hará cargo del almacenamiento, montaje y mantenimiento de las Mercancías; tendrá que respetar estrictamente las instrucciones y la documentación del Vendedor al respecto (folletos, catálogos, sitio web, etiquetado sobre las Mercancías...) y asegurarse que esas instrucciones sean comunicadas a sus propios clientes. En el caso de que, en el transcurso del montaje, las Mercancías presentaran defectos, el Cliente tendrá que informar inmediatamente al Vendedor y paralizar inmediatamente dicho montaje.

### SCOPE OF APPLICATION - FULL AGREEMENT

1. These general sales terms (hereinafter "Terms") apply to all products, accessories or services ("Goods") offered by Europerfil ("Seller") to the customer ("Client"). The Terms, together with the specific conditions specified in the "Seller's" order confirmation ("Order Confirmation") or the Agreement, and exclusively in these documents, constitute the full agreement between Client and Seller and supersede and replace in full any contrary terms and conditions proposed by the Client, and any oral or written communication not included in these documents. The agreements between the Seller or its agents and third parties will only be valid upon written confirmation by the Seller.

2. These general terms are complementary to the individual terms which may be established and accepted in writing by agreement between the parties and in each case will prevail over sales terms specified by EUROPERFIL customers.

### QUOTATIONS AND ORDERS

3. Unless otherwise stipulated, the documentation, catalogues and estimates are sent for information only, and the "Seller's" offers are not binding.

4. The validity period of "EUROPERFIL's" quotations is one week from date of issue unless otherwise stipulated in writing in the offer.

5. Orders issued by the Client in no way entail any obligation on the part of EUROPERFIL, until the Seller receives a copy of the Order Confirmation issued by the Seller, copy which has to be signed and sealed by the Client, without amendments or modifications.

6. The delivery of the Order Confirmation signed by the Client within five working days of having received it from the Seller constitutes acceptance by the Client of the contract defined by this document.

7. In addition, any of the following events constitutes acceptance of each and every one of these Terms:

- acceptance or receipt of the materials supplied by the Seller.
- return of a signed copy of the Order Confirmation to EUROPERFIL in the specified time frame.
- validate or accept the corresponding invoice.

8. For online orders, the Order Confirmation shall be the set of specific elements of the "Client's" purchase, expressly confirmed by the Seller. Any of these Terms or any part thereof being rendered entirely or partially void, unenforceable or illegal will not affect the validity of the other terms and conditions herein.

### PRICES AND PAYMENT TERMS

9. All prices are calculated for goods measured and weighed at the point of departure. Unless expressly stated otherwise in the Order Confirmation, prices are net, payable as per the method of payment set out therein. The Client shall be liable for the payment of all taxes and costs related to transport, insurance, shipping, storage, handling, demurrage and similar issues. The Client will be liable for any increase in these costs effective from the Order Confirmation date.

10. Unless otherwise specified in writing by EUROPERFIL, prices are for unloaded goods at the EUROPERFIL factory. They include the "Seller's" standard packaging and protection (according to the "Seller's" procedure, available on its website). The Client will be responsible for destruction, recycling and storage costs after delivery. The materials will be transported at the "purchaser's" risk and expense. The purchaser is liable for any damage and deterioration that may occur during loading, transport and unloading, and all transport and insurance expenses, unless by mutual agreement EUROPERFIL is designated as the transport contractor.

11. If the supply is subject to VAT exemption under current legislation and the Client assumes liability for the goods at point of origin at his own risk according to the agreed Incoterms, the Client must submit, in no later than ten working days, the documents certifying that the goods have been shipped to the destination country and have cleared customs. Otherwise, a fine will be applied equal to the cost of the non-invoiced VAT.

### SUPPLIES AND RISK TRANSFER

12. The delivery dates for materials provided by EUROPERFIL are subject to some flexibility, unless expressly stated to the contrary; the Client waives any right to claims or compensations. Delivery delays entitle the Client to cancel orders for goods that are not yet in production, and only after giving the Seller a grace period beyond the initial delivery period and after sending a formal notice of default.

13. Binding delivery periods will only give a Client right to compensation insofar as the Seller has been fully informed in writing at the time of signing the contract about any damages and losses resulting from a delay in delivery and an approximate assessment of the various damage elements. Likewise, in the event of production delays, the Seller shall be entitled to not supply the full amount requested by the Client in a single delivery, but to supply the material by successive partial deliveries. The Buyer will be compensated with an allowance for 0.25% of the undelivered order amount per day of delay.

14. The transfer of risk, if not otherwise agreed in writing, will occur at the "Seller's" factory prior to loading. If using Incoterms, the risk transfer shall take place according to the applicable term (latest Incoterms published by the ICC). If the Client does take ownership of the Goods upon notification of their availability by Seller, the Seller may store them at the "Client's" risk and expense for a period not exceeding two months, and invoice them as delivered. After this time, and without special notice, the Seller may proceed to resell or destroy the Goods and to claim compensation.

15. In the event that the Goods are sold delivered at destination, the Seller shall be responsible for determining the route and means of transport and selecting shipping agents and carriers. The Client shall be responsible for providing the Seller with all required information, with sufficient time to ensure the successful preparation of shipping paperwork, including (a) marking and dispatch instructions, (b) import licenses, documents required for obtaining official permits and any other document prior to shipping, and (c) where appropriate, confirmation from the Client that a letter of credit has been obtained or established. If these documents, statements or confirmations are not received, or if any of them can (in the opinion of the Seller) represent an expense or cause delays, the Seller may at its discretion and without prejudice to any other solution, delay the date of issue or cancel this contract. The Client agrees to receive the Goods at the agreed time and place. Otherwise, delivery is considered to have been made for all purposes in that place and time.

16. The customer shall allow EUROPERFIL to deliver the products within 60 days after the production of the material. In case the customer does not agree on delivery the material after 60 days of its production, EUROPERFIL will invoice the material in the conditions stated in the order. The material will remain in our facilities at the customers disposal for a maximum period of 6 months after the date of production. EUROPERFIL will invoice a deposit of 5€ per m2 as storage fee per month of occupancy of the material purchased after 60 days of its production. After 6 months of deposit, EUROPERFIL will dispose of the material as waste. The customer shall lose his right to complain to EUROPERFIL in case the material has been in deposit for a period of 6 months after the production of the material, or the customer does not agree on delivery the material or the customer does not pick the material up

### COMPLIANCE - INSPECTION - ASSEMBLY

17. The Client shall carry out at the point of delivery an inspection of the Goods for to check weight, length and width as stated in the Order Confirmation, and any visible defect shall be recorded during the inspection. If the Client submits no written comments relating to the Goods within one week (Law 15/2009-BOE 273, art. 60) after delivery and prior to any further processing of the Goods, the Goods will be deemed to have been automatically accepted at the time of delivery to the Client. The Goods will be considered delivered from the moment the carrier's delivery is signed, in the place and by personnel designated by the Client. The Seller will not accept any claims relating to defects or deficiencies of the Goods with respect to the specific terms of the Order Confirmation that may have been observed by a visual inspection, or if the inspection was never performed.

18. Upon receipt of the Goods at a work site, any required transport vehicle immobilisation will be charged to the Client.

19. The Client will pay for storage, installation and maintenance of Goods; will have to adhere strictly to the Seller's instructions and documentation (brochures, catalogues, website, goods labelling, etc.) and ensure that these instructions are communicated to their own customers. In the event that, during assembly, the Merchandise is found to be defective, the Client will immediately notify the Seller and immediately stop the installation.

### CLAIMS AND LIABILITIES

20. The Seller warrants that the Goods meet the specifications in the Order Confirmation. The Client shall have notified the Seller of all the information necessary for: (a) proper compliance with these specifications and (b) the manufacture and end use of the Goods, and acknowledges that the Seller's obligation is fully satisfied from the time these specifications are met at the time of delivery. Any technical advice is given in good faith but without warranty. The Seller's advice does not release the Client from his responsibility to check the suitability of goods supplied to the processes and uses for which they are intended (according to data sheets and application charts available on the Seller's website).

21. Claims do not entitle the Client to defer or suspend payment of the corresponding or any other invoice.



## RECLAMACIONES Y RESPONSABILIDADES

20. El Vendedor garantiza que las Mercancías son conformes a las especificaciones incluidas en la Confirmación de Pedido. El Cliente deberá haber comunicado al Vendedor toda la información necesaria para: (a) el desarrollo correcto de dichas especificaciones y (b) relativa a la transformación y uso final de las Mercancías, y reconoce que la obligación de conformidad del Vendedor está plenamente satisfecha desde el momento en el que se cumplen estas especificaciones en la Entrega. Cualquier asesoramiento técnico se facilita de buena fe pero sin garantía. El asesoramiento del Vendedor no libera al Cliente de su responsabilidad de verificar la idoneidad de las mercancías suministradas para los procesos y usos a los que están destinados (según fichas técnicas y tablas de aplicación disponibles en la web del Vendedor).

21. Las reclamaciones no otorgan derecho al Cliente para aplazar o suspender el pago de la factura correspondiente o de cualquier otra pendiente.

22. Los defectos ocultos en la entrega deberán ser notificados al Vendedor inmediatamente, por correo certificado con acuse de recibo, en el momento de su constatación y no más tarde de 6 meses tras la Entrega (el Cliente tiene la obligación de inspeccionar minuciosamente las Mercancías durante dicho periodo).

23. Si la Mercancía es considerada defectuosa por el Vendedor, éste tendrá únicamente la obligación, a su elección, (i) de reemplazar o reembolsar dicha Mercancía, o (ii) si el precio aún no ha sido pagado por el Cliente, de reducir dicho precio o cancelar el contrato. En cualquier caso, la responsabilidad del Vendedor se limitará al 100% del valor facturado de las Mercancías defectuosas o deterioradas. El Vendedor no aceptará responsabilidad alguna por pérdidas de costes de transformación, pérdidas de producción, pérdidas de ingresos y/o cualesquiera consiguientes pérdidas o daños especiales sufridos directa o indirectamente por el Cliente o por cualquier otra persona. El Vendedor será responsable únicamente del daño causado por dolo o negligencia grave debidamente probados por el Cliente.

24. Las posibles desviaciones de tonalidad se rigen según la norma EN 10169 y los estándares XP P34-301 que establece no sobrepasar un margen de AE = 1.5. Excepto en los colores metalizados, vivos o saturados, o en los revestimientos texturados, en los cuales no es posible realizar una cuantificación del color. Debe indicarse siempre si es ampliación de pedido de una misma obra, para poder realizar la trazabilidad del material utilizado, evitando de este modo diferencias de tonalidad.

25. Los productos fabricados por Europerfil siguen las siguientes normas: UNE EN 14782:2006 (Perfiles metálicos), UNE EN 14509:2007 (Paneles sándwich), UNE EN 13165:2002 (Productos aislantes).

## GARANTÍAS

26. Europerfil responde de los productos suministrados conforme a los plazos y condiciones descritas en la Ley de Ordenación de la Edificación (ley 38/1999 de 5 de noviembre), siempre y cuando el uso y colocación de dichos productos sea realizado de acuerdo a las recomendaciones de Europerfil y quede demostrada su responsabilidad por pruebas de terceros ajenas a la relación contractual mantenida entre las partes.

27. En los productos perforados recomendamos aplicar una capa de protección previa al montaje para evitar un efecto anticipado de la corrosión. Los productos perforados no disponen de ninguna garantía post-venta en caso de no seguir esta recomendación.

28. Asimismo y respecto al revestimiento del metal utilizado, Europerfil solamente responderá de la calidad y destino del mismo en caso de haberlo pedido por escrito el Cliente antes de la confirmación del pedido (mediante el envío del cuestionario de medioambiente debidamente rellenado, firmado y sellado por el comprador) así como de haber recibido una respuesta positiva por parte de la siderurgia proveedora de la materia prima suministrada, operando ambas condiciones suspensivas de manera acumulativa y no alternativa.

## FUERZA MAYOR

29. La imposibilidad o la demora del Vendedor en la ejecución de la fabricación, expedición y entrega de las Mercancías objeto de este contrato resultantes, total o parcialmente, de situaciones de guerra (declarada o no declarada), huelga, conflicto laboral, accidente, incendio, inundación, casos fortuitos, retraso en el transporte, escasez de material, averías de los equipos, condiciones de las instalaciones, legislaciones, normativas, ordenanzas o decretos emitidos posteriormente a la confirmación del pedido por cualquier agencia u organismo gubernamental, o de la aparición de una contingencia que impida la ejecución de sus obligaciones y cuya inexistencia constituya un supuesto básico para la emisión de la Confirmación de Pedido, no generarán responsabilidad a cargo del Vendedor. En tales circunstancias, el Vendedor podrá disponer del tiempo adicional que resulte razonablemente necesario para el cumplimiento de sus obligaciones, y tendrá derecho a distribuir su producción entre sus clientes de la forma que considere equitativa. Esta cláusula será aplicable, mutatis mutandis, al Cliente. Esta circunstancia deberá ser notificada por escrito a la otra parte en un plazo de 5 días laborales desde que se produzca el evento causante de la fuerza mayor.

Asimismo, en el actual contexto de infección por Covid-19, será considerados supuestos de Fuerza Mayor y por tanto sujetos a las obligaciones referidas en los párrafos anteriores.

(i) los supuestos de casos confirmados por dicho virus en el centro de trabajo o fábrica encargada de la producción o suministro que conlleven la preceptiva o recomendada cuarentena de otros trabajadores del mismo centro, impuesta por las autoridades sanitarias y/o siguiendo las indicaciones dadas por las Autoridades competentes y/o los Servicios de prevención propios o ajenos contratados.

(ii) Las órdenes y/o restricciones impuestas por las Autoridades Competentes en atención a la evolución del contagio.\*

## GARANTÍA DE PAGO Y DERECHO DE RETENCIÓN

30. Salvo indicación contraria en los documentos contractuales, los pagos serán por anticipo.

31. En caso de duda sobre la solvencia financiera del Cliente o modificación de su capacidad económica (RAI, ASNEF, Deterioro línea de crédito de seguro...) con respecto al momento de la firma de la Confirmación de Pedido, EUROPERFIL estará en condiciones de solicitar en todo momento al Cliente, garantías adicionales de pago. En defecto de las mismas, EUROPERFIL quedará libre de sus compromisos, con independencia de que no conste incumplimiento por parte del cliente respecto al modo y medio de pago pactado en las cláusulas particulares.

32. La falta de pago por el Cliente en los plazos pactados, conllevará por pleno derecho (ley 15/2010) y sin previo requerimiento de pago un interés al tipo EURIBOR a 3 meses más un incremento en dos puntos, más los gastos bancarios o de otra índole directamente imputables.

33. Todo retraso en el pago, en la entrega de documentos de pago o alteración en la aceptación de las letras de cambio si las hubiere u otros documentos hacen vencida y exigible inmediatamente y de pleno derecho de pago toda la suma debida por el Cliente a EUROPERFIL incluida la suma que estuviese pendiente de vencimiento, reservándose el derecho a compensar saldos cobrados a cuenta de futuros pedidos con deudas vencidas, no dando derecho al Cliente a ningún tipo de indemnización por este concepto. En este caso EUROPERFIL tiene la facultad de suspender o anular todas las ventas pendientes de suministro, quedando exento de responsabilidades inherentes a dicha anulación.

## RESERVA DE DOMINIO

34. Las Mercancías suministradas serán propiedad del Vendedor hasta el cumplimiento por el Cliente de sus obligaciones de pago, según lo estipulado anteriormente, ostentando EUROPERFIL un derecho de crédito preferente por el importe suministrado y no cobrado frente a la propiedad, independientemente de la modalidad de contrato que conste entre la propiedad y el cliente, y éste con EUROPERFIL. Por lo tanto:

a. El Cliente será el único responsable, y soportará íntegramente los riesgos y costes asociados a la descarga, correcta manipulación y almacenamiento adecuado de las mercancías entregadas, debiendo para ello contratar un seguro a todo riesgo a su propio coste, que cubra el deterioro y/o robo de la totalidad o parte de las Mercancías entregadas y a proporcionar, a primer requerimiento, un certificado de dicho seguro y del pago de la prima del mismo.

## IDIOMA, JURISDICCIÓN Y DERECHO APLICABLE

35. Estas CGV se encuentran disponibles en español, inglés y francés en la página web de EUROPERFIL, [www.europerfil.es](http://www.europerfil.es), en caso de conflicto prevalecerá la versión en español.

36. Para todo litigio derivado de las relaciones comerciales entre el Cliente y EUROPERFIL, ambos se someten a los tribunales y juzgados de Barcelona, España, con renuncia expresa a cualquier otro fuero que pudiera corresponderles.

37. En caso de ventas internacionales, serán los tribunales de Bruselas los que tendrán la jurisdicción exclusiva para la resolución del conflicto.

22. Hidden defects at the time of delivery shall be notified to the Seller immediately, by certified mail, with return receipt, upon their detection and in no case later than six months after delivery (the Client is required to thoroughly inspect the goods during this period)

23. If Goods are considered defective by the Seller, he will only be under the obligation at his choice of one of the following: (i) to replace or make a refund for the Goods, or (ii) if the price has not yet been paid by the Customer, to reduce the price or cancel the contract. In any case, the "Seller's" liability is limited to 100% of the invoice value of defective or damaged Goods. The Seller accepts no liability for losses due to processing costs, production losses, lost revenue and/or any subsequent special loss or damage incurred directly or indirectly by the Client or by any other person. The Seller is liable exclusively for the damage caused by wilful misconduct or gross negligence duly proven by the Client.

24. Any possible tint deviation is governed by the EN 10169 standard and the XP P34-301 standards which specify not exceeding a margin of AE = 1.5. The exception is metallic, bright or saturated colours, or textured coatings, for which colour quantification is not possible.

The Client should always indicate if an order is an extension for an existing project, in order to trace material used and thus avoid differences in hue.

25. Products manufactured by Europerfil comply with the following standards: UNE EN 14782:2006 (self-supporting metal sheets), UNE EN 14509:2007 (double skin metal panels), UNE EN 13165:2002 (insulation products).

## WARRANTIES

26. Europerfil guarantees products supplied under the terms and conditions described in Spanish Construction Regulation (Ley de Ordenación de la Edificación, Law 38/1999 of 5 November), provided the products are used and installed according to "Europerfil's" recommendations and its liability is demonstrated by evidence from third parties outside the contractual relationship maintained between the parties.

27. With the perforated products Europerfil recommends to apply a protective layer before installation to avoid an anticipated effect of corrosion. The perforated products do not have any after-sales warranty in case of not following this recommendation.

28. Likewise, with respect to the coating of the metal used, Europerfil will only attest to the quality and recommended use, at the Client's request in writing prior to order confirmation (by sending the duly completed environmental questionnaire, signed and sealed by the buyer) and after having received a positive response from the steel supplier of the raw material supplied. Both conditions are required, cumulatively and not alternatively.

## FORCE MAJEURE

29. The Seller will not be held liable for any failure or delay in manufacturing, shipping and delivery of the Goods under this contract resulting in whole or in part, from any war (declared or undeclared), strike, labour dispute, accident, fire, flood, acts of God, transportation delay, material shortage, equipment failure, facility conditions, laws, regulations, ordinances or decrees issued subsequent to the order confirmation by any governmental agency or body, or the emergence of a contingency that prevents the execution of its duties and whose absence was a basic assumption for the issuance of the Order Confirmation. In such circumstances, the Seller may take any additional time which is reasonably necessary to fulfil its obligations, and shall be entitled to apportion its production among its customers as it deems fair. This clause shall also apply, with the necessary modifications, to the Client. This circumstance must be notified in writing to the other party within 5 business days from the occurrence of the event causing the force majeure.

Likewise, in the current context of infection by Covid-19, the following shall be considered cases of Force Majeure and therefore subject to the obligations referred to in the previous paragraphs

(i) cases of confirmed cases of the said virus in the work center or factory responsible for production or supply involving the prescribed or advised quarantine of other workers in the same center/factory, imposed by the health authorities and/or in accordance with the instructions given by the competent authorities, and/or in-house or hired Health Prevention Department.

(ii) Orders and/or restrictions imposed by the Competent Authorities in response to the evolution of the contagion

## PAYMENT GUARANTEE AND RIGHT OF RETENTION

30. Unless otherwise specified in the contract documents, payments shall be in advance.

31. If there is any doubt about the financial solvency of the Client or changes in its financial capacity (RAI, ASNEF, impairment to line of credit insurance, etc.) from the time of signing the Order Confirmation, EUROPERFIL is entitled at any time to ask the Client for additional payment guarantees. If they are not presented, EUROPERFIL shall be released of its commitments, even if the Customer has not defaulted regarding the payment method and means agreed in the specific clauses.

32. Non-payment by the Client within the time agreed upon will result in the legally stipulated (Law 15/2010) application of a 3-month interest charge at the EURIBOR interest rate plus two points, as well as bank charges or other directly attributable charges, without prior requirement of payment of the overdue amounts.

33. Any delay in payment, delivery of payment documents or alteration in the acceptance of bills of exchange, if any, or other documents result in all sums owed by the Client to EUROPERFIL becoming due at once, legally and immediately payable, including unmatured balances. EUROPERFIL reserves the right to offset balances charged against future orders with overdue amounts without granting the Client any compensation. In this scenario EUROPERFIL has the power to suspend or cancel all incomplete orders, and is released of any liability associated with such cancellations.\*

## RETENTION OF TITLE

34. Title to the Goods shall remain vested in the Seller until the Client fulfils its payment obligations, as stated above. EUROPERFIL has a preferential credit right against the final Client of the building for the value of the goods supplied and not paid, regardless of the type of contract (flat-rate or measured) established between the final Client and the Seller's Client, and between the Client and EUROPERFIL. Therefore:

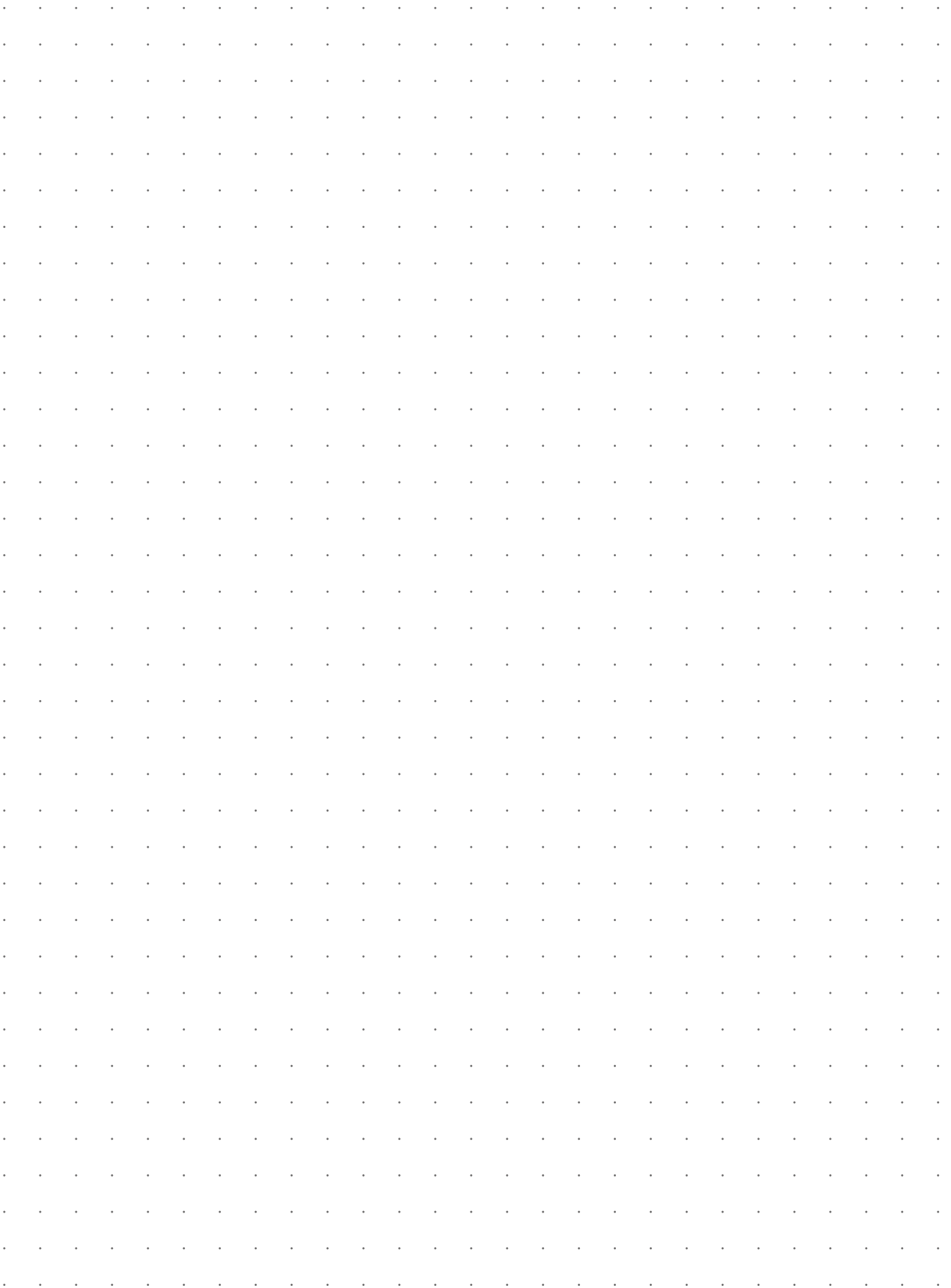
a. The Client shall be solely responsible and shall bear all risks and costs associated with the unloading, core handling and proper storage of goods delivered. To this end it must take out a comprehensive insurance policy at its own expense, to cover damage and/or theft of all or part of the Goods delivered and to provide, at first demand, a certificate from the insurance company confirming payment of the premium.

## LANGUAGE, JURISDICTION AND APPLICABLE LAW

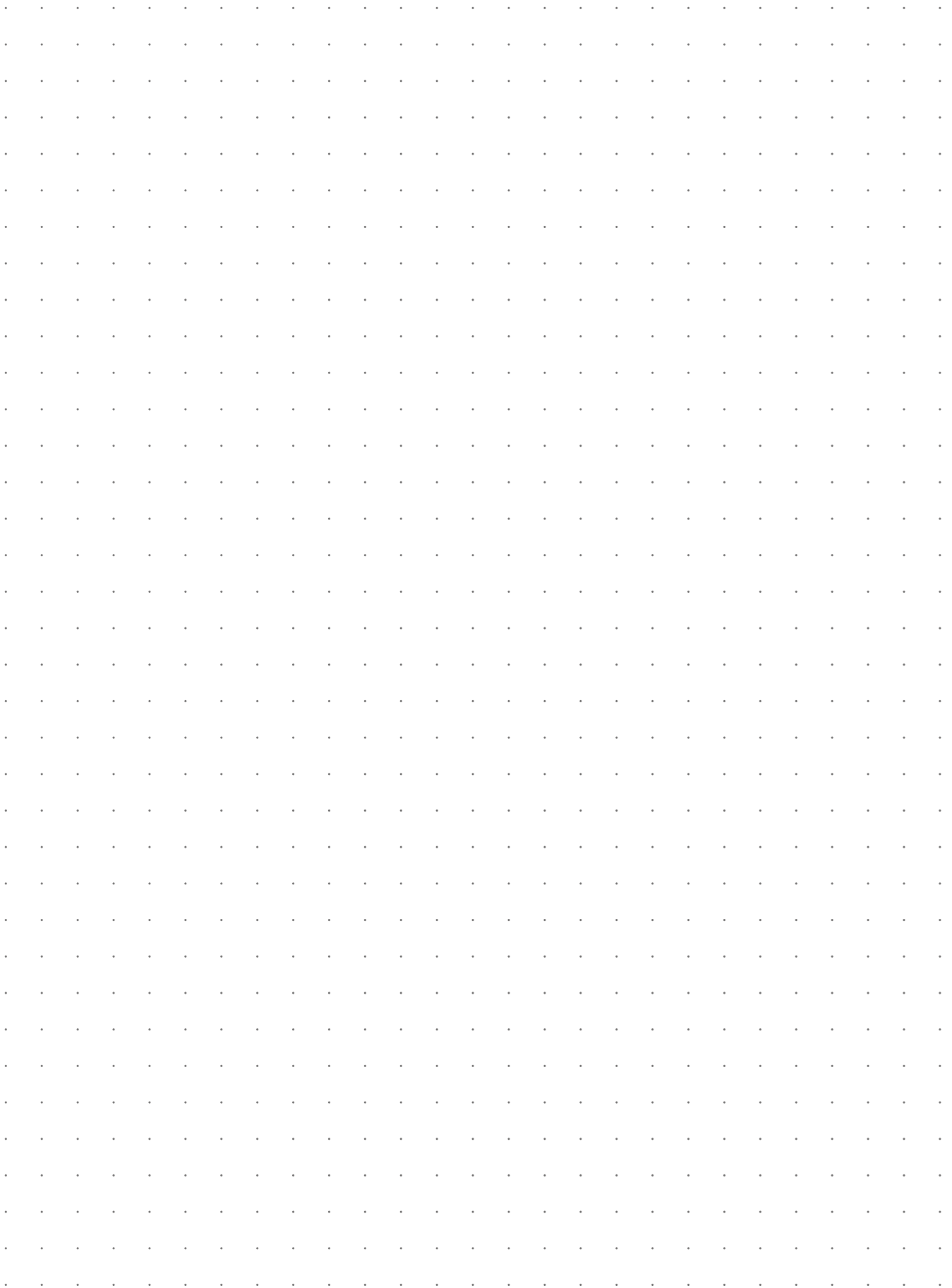
35. These Terms are available in Spanish, English and French on the EUROPERFIL website, [www.europerfil.es](http://www.europerfil.es). In case of discrepancy, the Spanish version shall prevail.

36. For any dispute arising out of trade relations between the Client and EUROPERFIL, both are subject to the courts and tribunals of Barcelona, Spain, and expressly waive any other jurisdiction that might apply.

37. For international sales, the courts of Brussels shall have exclusive jurisdiction to resolve the conflict.









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