

Microperfilado (M)



Liso (L)



Nervurado (N)



THICKNESS: 40-50-60-80-100



THIS PRODUCT MEETS THE REQUIREMENTS OF REGULATION (EU) N.º 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL LAYING DOWN HARMONISED CONDITIONS FOR THE MARKETING OF THE CONSTRUCTION PRODUCTS AND ARE IN ACCORDANCE WITH ANNEX ZA of EN 14509:2013

Designation:

Insulating Panel for wall with concealed fixing

Description:

It consists of an assembly of two profiled steel sheets interconnected by isolation of rigid polyurethane foam (PUR or PIR) to form a panel with width of 1000 mm. Fits laterally with other panels so as to cover a surface.

The fixation screw is made self-piercing zone fitting (concealed fixing). With external surface plane, microperfilado or Nervurado.



Dimensions:

thickness:

40, 50, 60, 80 e 100 mm
With a tolerance of ± 2 mm.

Width:

1000 mm
With a tolerance of ± 2 mm

Length:

According to customer request and subject to the following limits

Minimum: 4.000 mm*

Maximum: 12.500 mm* (Except in PIR foam panel **)

** PIR foam Panel:

Reference (mm)	Microperfilado (M)	Liso(L)
Maximum length (mm)	7.000	6.000

With a tolerance of ± 10 mm.

* On request for other measures

Datasheet of Product

Panel for WALL PFA 1000

Materials

METAL FACING - Galvanized steel (EN 508; EN 10143), galvanized (EN 10346) and pre-painted (EN 10169)

Note: Thickness subject to consultation

COATING - Standard: primary 5 μm + polyester 20 μm
- For special application: PVDF, HDX.⁽¹⁾

INSULATING CORE

- Rigid polyurethane – PUR B3, without fire reaction class: PND⁽²⁾
- Rigid polyurethane – PUR B2, with fire reaction class: B s₂ d₀⁽³⁾
- Rigid polysocianurate foam – PIR, with fire reaction class: B s₁ d₀⁽³⁾
 - Foam CFC and HCFC free
 - thermal Conductivity $\lambda=0.025$ W/mK
 - Density = 40 kg/m³ $\pm 10\%$
- mechanical characteristics:
 - tensile strength > 0.018 MPa
 - compressive strength > 0.100 MPa

⁽¹⁾ Subject to consultation

⁽²⁾ PND – Parameter not determined

⁽³⁾ Steel plates with a minimum thickness of 0.40 mm

Characteristics:

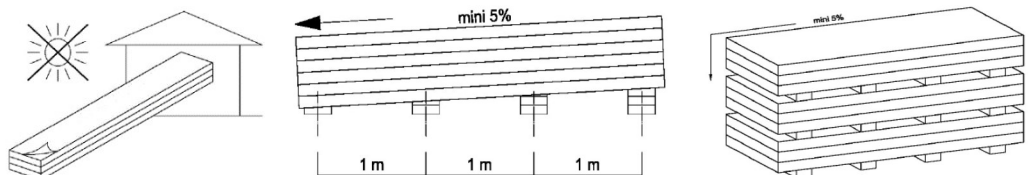
Thickness of sheet steel 0,4 mm											
Panel Thickness (mm)	Thermal Conductivity (W/m²K)	Panel weight (Kg/m²)	Flexion máx. = 1/200L Uniformly distributed charge								
											
			Kg/m²	80	100	140	160	80	100	140	160
			Maximum distance (cm)	310	290	250	230	360	330	290	270
360	330	300		280	420	390	340	320			
410	380	340		320	480	440	390	360			
490	450	400		370	570	520	460	430			
570	530	460		430	660	600	530	500			
40	0.70	8,16									
50	0.57	8,56									
60	0.48	8,96									
80	0.33	9,76									
100	0.26	10,56									

Recommended Accessories:

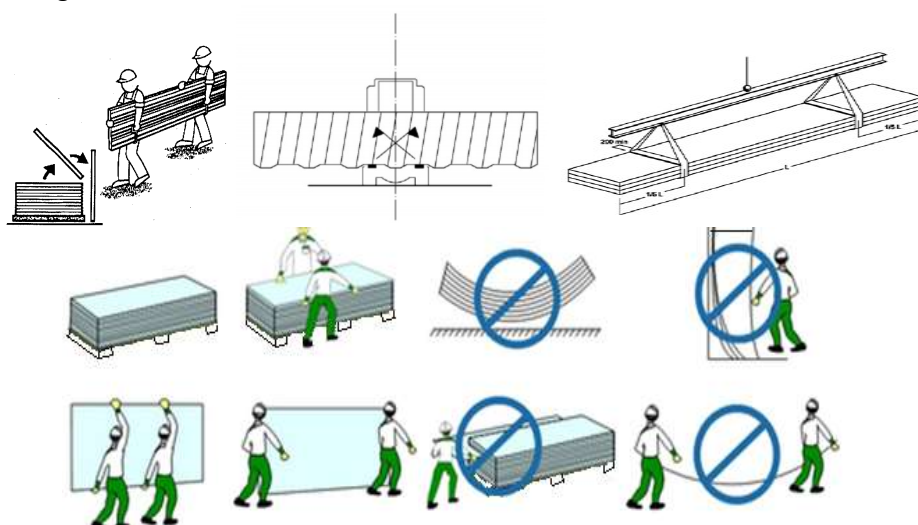
	AC.001 Perfil Intermédio 40mm		P.005 Peça de suporte inicial
	AC.002 Perfil de Canto 40mm		AC.003 Perfil Inicial 40mm

Other recommendations

1. Storage:



2. Panel handling



Environmental Recommendations

The insulated panel is a product composed of two distinct materials: metal and polyurethane foam.

Due to the absence of truly hazardous or toxic additives encapsulated in the polyurethane polymer, the foam is considered an inert material, posing no risk to the environment.

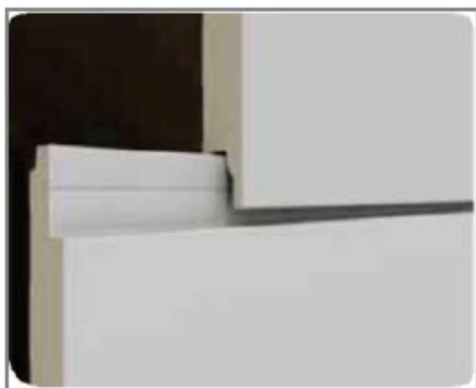
At the end of the product's life cycle, its components should be separated and disposed of as construction and demolition waste:

- The sheet metal should be disposed of as steel waste.
- The polyurethane should be disposed of as insulation material waste.

The packaging used to hold the panel and the batch of panels is made entirely of plastic materials:

- Primary packaging: self-adhesive protective plastic film that protects the panel during handling;
- Secondary packaging: stretch plastic film, Styrofoam, and polyurethane sheets that enclose the batch of panels and facilitate bulk handling of the panels.

Illustrative images of the PFA 1000 panel



Acabamento liso (L)



Acabamento microperfilado (M)