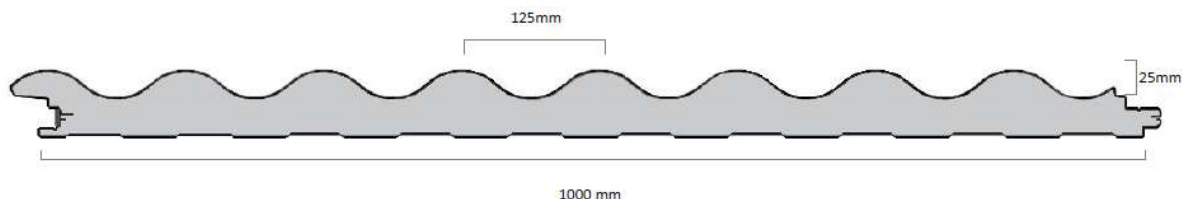


Datasheet of Product

Panel for WALL PO 1000



THICKNESS: 60-100



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. Fits laterally with other panels so as to cover a surface.

The fixation screw is made self-piercing zone fitting (concealed fixing).



Dimensions:

thickness:

60 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:

Maxiumo: 7.000 mm

With a tolerance of ± 10 mm.

* On request for other measures

Datasheet of Product

Panel for WALL PO 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 $\lambda=0.025 \text{ W/mK}$
 - 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:

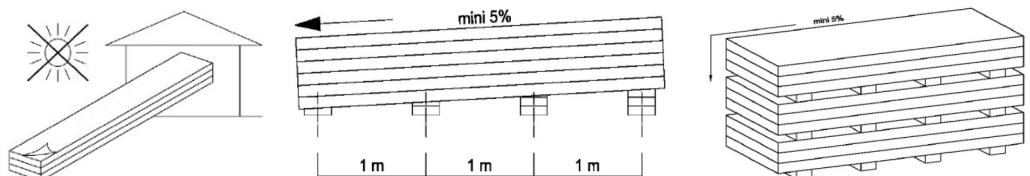
Thickness of sheet steel 0,4 mm											
Panel Thickness (mm)	Thermal Conductivity (W/m²K)	Panel weight (Kg/m²)		Flexion máx. = 1/200L Uniformly distributed charge							
											
				Kg/m²	60	100	140	160	60	80	100
60	0.55	8,98	Maximum distance (cm)	460	410	340	310	530	440	390	360
100	0.29	10.58		640	570	460	430	730	600	540	500

Recommended Accessories:

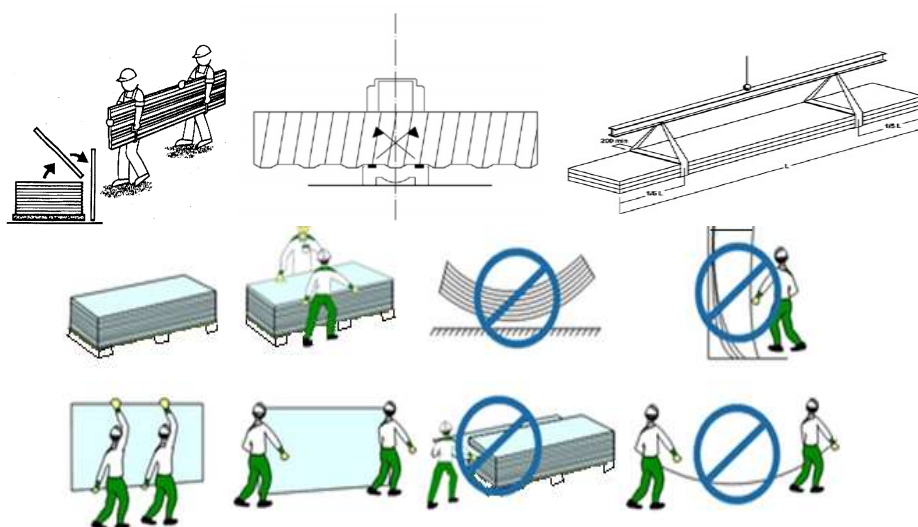
	P.005 Peça de suporte inicial		AC.008 Perfil de Canto 60mm
	AC.007 Perfil Intermédio 60mm		VED.007 Junta vedação lateral

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 PO 1000 panel

