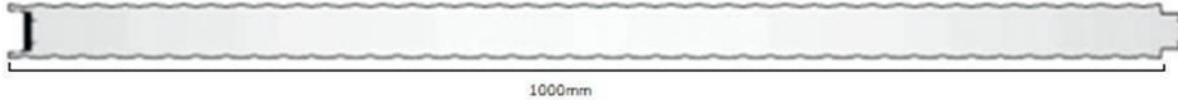


Product Data Sheet
Wall panel PW 1000



MICROPERFILED (M)



STREET (E)



NERVOUS (N)



SMOOTH



This product meets the requirements of Regulation (EU) No 305/2011 of the European Parliament and of the Council laying down harmonized conditions for the marketing of construction products and complies with Annex ZA of Standard EN 14509:2013

Thickness: 30 - 40 - 50 - 60 - 80 - 100

Designation: PW 1000 Isothermal wall panel with narrow face and exposed fixing.

Application

For use on partition walls, facades and prefabricated buildings. Can be applied to vertical or horizontal position.

It is characterized by the symmetry of the section and the simplicity of the male/female

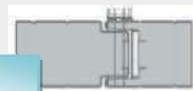
Description:

It is made up of two profiled steel sheets interconnected by rigid polyurethane foam insulation (PUR B3, PUR B2) or polyisocyanurate (PIR), providing excellent mechanical behavior and the highest thermal insulation.

It is produced with a useful width of 1000 mm, with an outer surface that can be narrow or micro-profiled or ribbed or smooth, as well as the surface of the inner face. It fits laterally with other panels to cover a surface area.

Fastening is done with a self-tapping screw in the recess area

Spot fixing



Dimensions:

- Thickness:** 30, 40, 50, 60, 80 and 100 mm
A tolerance of +/- 2 mm
- Useful width:** 1000 mm
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)
A tolerance of +/- 10 mm is allowed

Base materials:

- Metal support:**
- Rolled steel (minimum S220GD (EN 508; EN 10143)), galvanized (EN 10346) and pre-painted (EN 10169)
 - Rolled, pre-treated and lacquered aluminum alloy (EN 485-2, EN1396) On request
- Note: sheet thickness subject to consultation.

- Coating:**
- *Standard: primer 5 μm + polyester paint 20 μm*
 - For special applications: PVDF, HDX, PVC (suitable for the food industry) On request

- Insulating core:**
- Rigid polyurethane foam - PUR B3, without reaction to fire class
 - Rigid polyurethane foam - PUR B2, with a reaction to fire class of B s2 d0
 - Rigid polyisocyanurate foam - PIR, with a reaction to fire class of B s1 d0
 - Average density: 40 kg/m³ ± 10%
 - Thermal conductivity λ= 0.025 W/m.K
 - Foam free of CFC's

- Mechanical characteristics:**
- Adhesion (tensile strength on the support) > 0.018 MPa
 - Compressive strength for 10% deformation > 0.100 MPa

Characteristics:

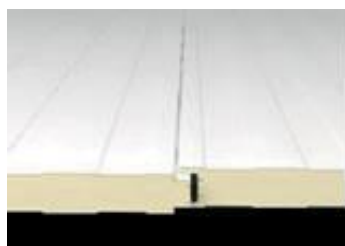
Nominal panel thickness (mm)	Thermal transmission (W/m ² K)	Panel weight (Kg/m ²)	Kg/m ²	Maximum flexion = 1/200L Uniformly distributed load							
				▲ ▲				▲ ▲ ▲			
				80	100	140	160	80	100	140	160
30	0.86	7.7	Maximum distance (cm)	260	240	210	190	300	270	240	230
40	0.67	8.1		310	290	250	230	360	330	290	270
50	0.51	8.5		360	330	300	280	420	390	340	320
60	0.43	8.9		410	380	340	320	480	440	390	360
80	0.32	9.7		490	450	400	370	570	520	460	430
100	0.25	10.4		570	530	460	430	660	600	530	500

Ribbed finish (N)

Grooved finish

Micro-profiled finish

Smooth finish



Mounting detail PW 1000 N
Mounting detail PW 1000N

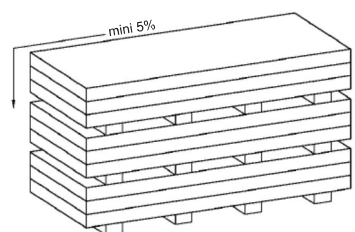
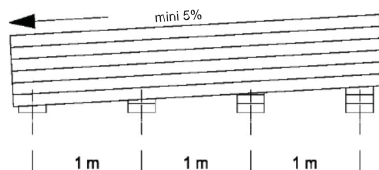
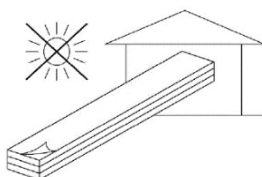
PW 1000 E assembly detail
1000 E assembly detail

Mounting detail PW 1000 MN
Mounting detail PW1000MN

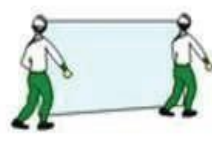
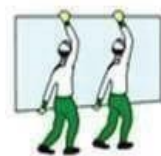
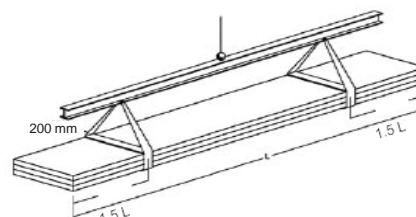
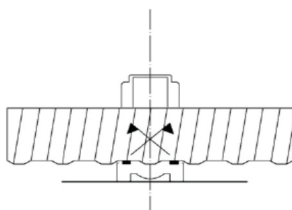
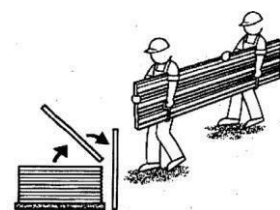
Mounting detail PW 1000 L
Mounting detail L

Other recommendations:

1. Storage:



2. Panel application



3. Environmental recommendations

The isothermal panel is a product made up of two different materials: metal and polyurethane foam.

Due to the absence of really dangerous 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, its components must be separated:

- The plate should be sent as scrap with the corresponding code **LER 20 01 40**.
- The polyurethane must be disposed of as waste insulation material whose Code **LER 12 01 99**.
- The packaging used to pack the batch of Panels is all made of plastic materials such as stretch film and styrofoam, this packaging waste should be sent with the code **LER 15 01 02**.