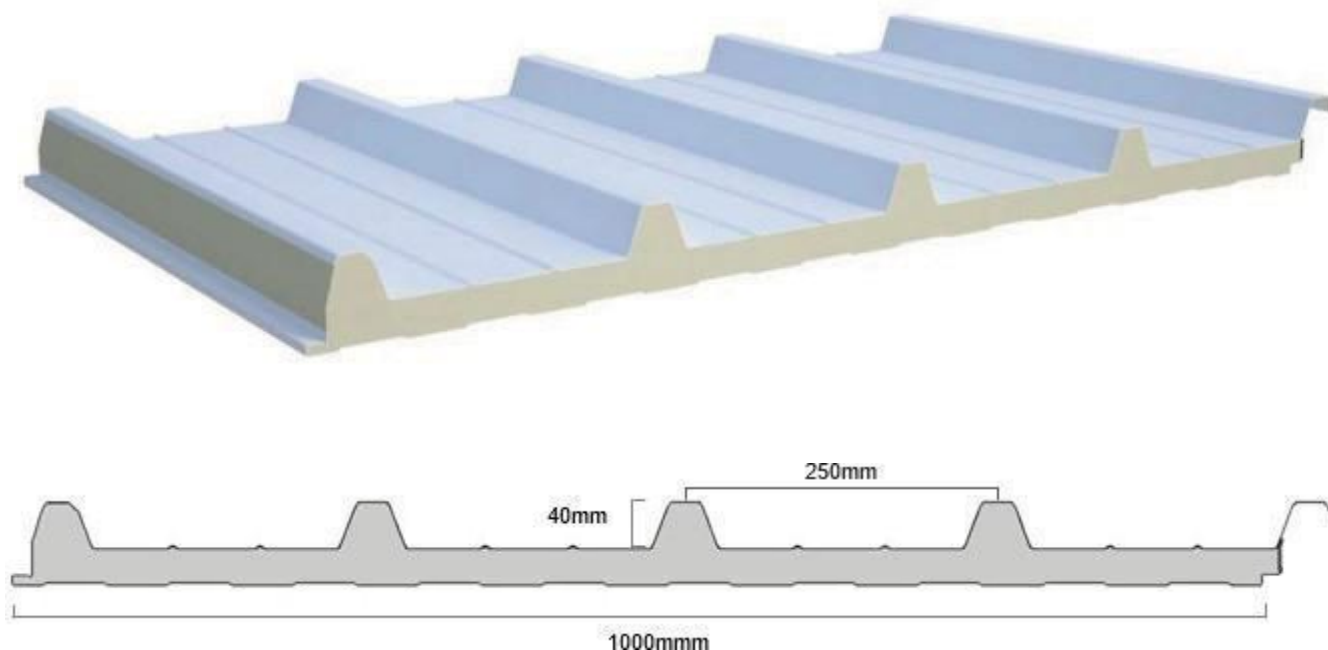


Product Data Sheet

5-wave roof panel – PC5 1000



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.

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

Designation: Painel Isotérmico para revestimento de coberturas com 5 ondas.

Description

It consists of two profiled steel sheets interconnected by rigid polyurethane foam insulation (PUR B3, PUR B2) or polyisocyanurate (PIR) to form a panel with a useful width of 1000 mm. It fits laterally with other panels to cover a surface.

It is easy to apply and highly resistant at an economical cost.

It is fixed with a self-tapping screw in the fitting area.

Dimensions

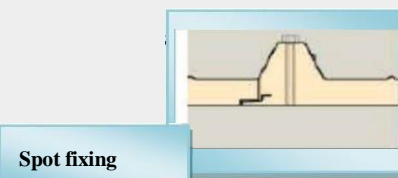
Thickness: 30, 40, 50, 60, 80 e 100 mm
Measurements according to the reference. A tolerance of +/-2mm/1000 mm

Useful width: A tolerance of ±2 mm.
According to the customer's request and subject to the following limits:

Length Minimum: 4.000mm
Maximum: 15.000 mm (Except on foam panels PIR**)
** Panels in PIR:

Thickness (mm)	30	40	50	60 e 100
Maximum length (mm)	9.000	10.000	11.000	12.000

A tolerance of ±10 mm.



Base materials








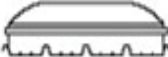

Metal support	<ul style="list-style-type: none"> - Rolled steel (minimum S220GD (EN 508; EN 10143)), galvanized (EN 10346) and pre-painted (EN 10169) - Rolled, pre-treated and lacquered aluminum alloy. <i>On request</i> <p>Note: sheet thickness subject to consultation.</p>
Coating	<ul style="list-style-type: none"> - <i>Standard</i>: 5 µm primer + polyester paint 20 µm - For special applications: PVDF, HDX, PVC (suitable for the food industry) <i>On request</i>
Insulating core	<ul style="list-style-type: none"> - Rigid polyurethane foam - PUR B3, without reaction to fire class PND* - 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 <ul style="list-style-type: none"> • Average density: 40 kg/m³ ± 10% • Thermal conductivity λ= 0.025 W/m.K • Foam free of CFC's
Mechanical characteristics	<p>Adhesion (tensile strength on the support) > 0.018 MPa Compressive strength for 10% deformation > 0.100 MPa</p>

Characteristics

Sheet thickness 0,4 mm													
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	150	200	250	80	100	150	200	250
30	0.75	7.80	Maximum distance (cm)	285	257	213	186	167	380	344	285	248	223
40	0.57	8.20		321	290	240	210	188	429	388	321	280	252
50	0.46	8.60		356	322	267	233	209	475	430	356	311	279
60	0.39	8.90		389	352	292	255	229	520	470	390	340	306
80	0.30	9.71		449	407	338	295	265	601	544	452	394	355
100	0.24	10.49		504	457	380	332	298	674	611	508	444	399

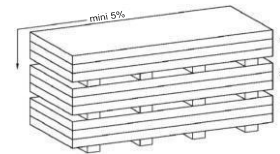
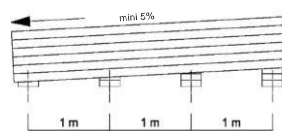
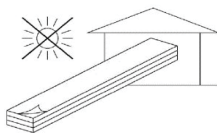
Sheet thickness 0,5 mm													
Nominal panel thickness (mm)	Thermal transmission (W/m ² K)	Panel weight (Kg/m ²)	Kg/m ²	Maximum flexion = 1/200L Uniformly distributed load									
				80	100	150	200	250	80	100	150	200	250
30	0.75	9.98	Maximum distance (cm)	314	288	239	208	187	426	386	319	279	250
40	0.57	10.38		356	325	270	235	211	481	435	360	314	283
50	0.46	10.78		396	361	299	261	235	534	483	400	349	314
60	0.39	11.18		436	395	327	286	257	583	528	438	382	343
80	0.30	11.88		505	457	379	331	298	674	611	507	443	398
100	0.24	12.67		566	513	426	373	335	857	686	570	498	448

Accessories recommended:

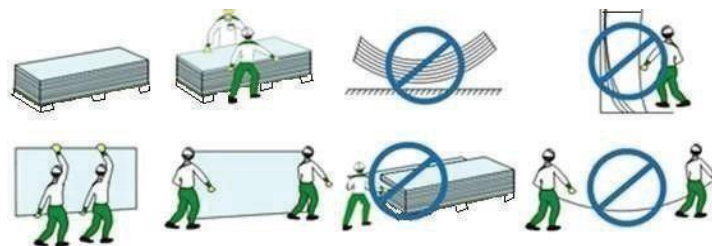
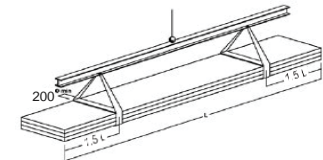
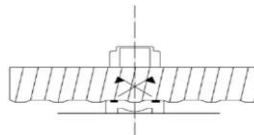
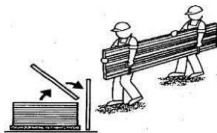
	PPA 1000 Polycarbonate panel 1000x30		VED.004 Top
	AC.005 Thermopanel gaskets		VNT.003 Skylight Ventilation
	AC.006 Thermopanel gaskets		VNT.006 Ventilation Skylight with Motor
	CR.003 Jagged Ridge		VNT.009 Skylight with opening for hot water heater
	VED.006 Sealing gasket for ridge		

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, presenting 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**.