

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



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 roof covering with 5 waves

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)



Dimensions:

thickness:

30, 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: 15.000 mm* (Except in PIR foam panel **)

** PIR foam Panel:

thickness (mm)	30	40	50	60 a 100
Maximum length (mm)	9.000	10.000	11.000	12.000

With a tolerance of ± 10 mm.

* On request for other measures

Panel for ROOF TJ5 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 λ=0.025 W/mK • Density = 40 kg/m³ ±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

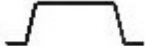
Characteristics:

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	150	200	250	80	100	150	200	250
30	0.75	7.78	Maximum distance (cm)	294	266	220	192	172	393	356	294	257	231
40	0.57	8.18		330	299	247	216	194	442	399	331	289	259
50	0.46	8.68		365	330	274	239	215	488	441	366	319	287
60	0.39	8.98		398	360	299	261	234	532	481	399	348	313
80	0.30	9.78		458	415	344	301	270	612	555	460	402	362
100	0.24	10.58		513	464	386	337	303	685	621	516	451	405

Thickness of sheet steel 0,5 mm													
Panel Thickness (mm)	Thermal Conductivity (W/m²K)	Panel weight (Kg/m²)	Flexion máx. = 1/200L Uniformly distributed charge										
													
			Kg/m²	80	100	150	200	250	80	100	150	200	250
30	0.75	9.98	Maximum distance (cm)	317	296	274	247	215	430	399	367	330	288
40	0.57	10.38		359	335	308	278	242	487	448	412	371	324
50	0.46	10.78		400	370	341	307	268	543	495	455	411	358
60	0.39	11.18		439	404	372	335	292	596	540	497	448	391
80	0.30	11.89		514	466	429	387	338	688	623	573	517	451
100	0.24	12.67		576	521	480	433	379	769	697	642	579	506

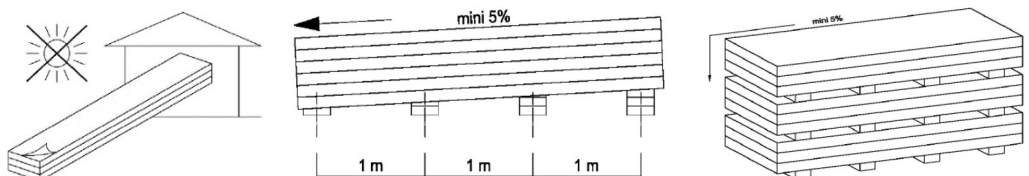
Panel for ROOF TJ5 1000

Recommended Accessories:

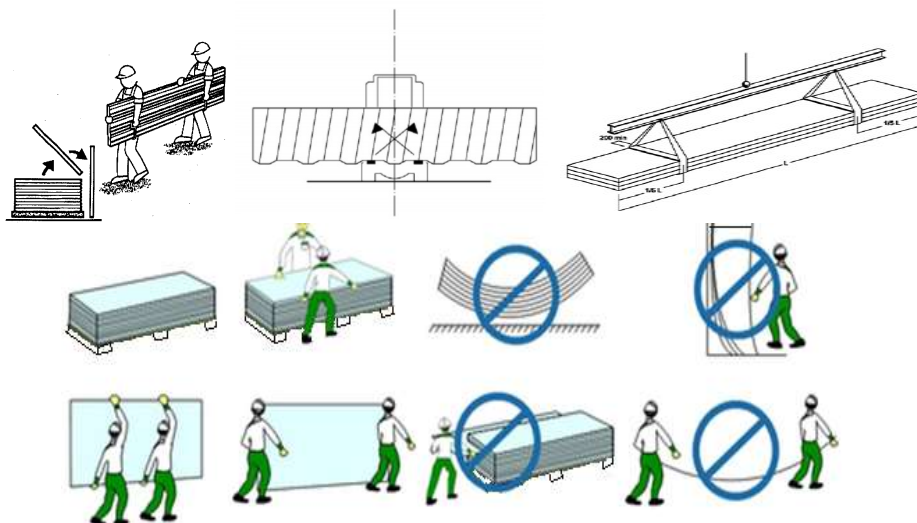
	PPA 1000 Painel Policarbonato 1000x30		AC.004 Tapa-juntas para Thermopainel
	Cumeeira recortada		topo

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 TJ5 1000 panel

