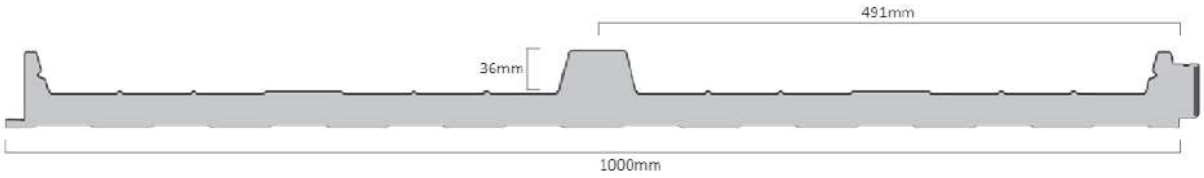
Datasheet of Product

Panel for ROOF TJ3 1000



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 3 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

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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 s_2 d_0(3)
- Rigid polysocianurate foam – PIR, with fire reaction class: B s_1 d_0(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

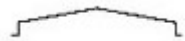
(1) Subject to consultation
(2) PND – Parameter not determined
(3) Metal facing with a minimum thickness of 0.40 mm

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	0.79	7.55	Maximum distance (cm)	252	228	189	165	148	337	305	252	220	198
40	0.60	7.95		292	264	218	191	171	390	352	292	255	229
50	0.48	8.35		329	297	246	215	193	439	397	329	287	258
60	0.41	8.75		363	329	273	238	214	486	439	364	318	286
80	0.31	9.55		426	386	320	280	251	570	516	428	374	336
100	0.25	10.35		482	437	363	317	285	644	584	485	424	381

Recommended Accessories:

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

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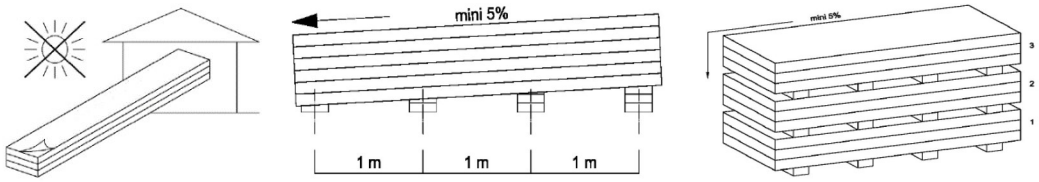
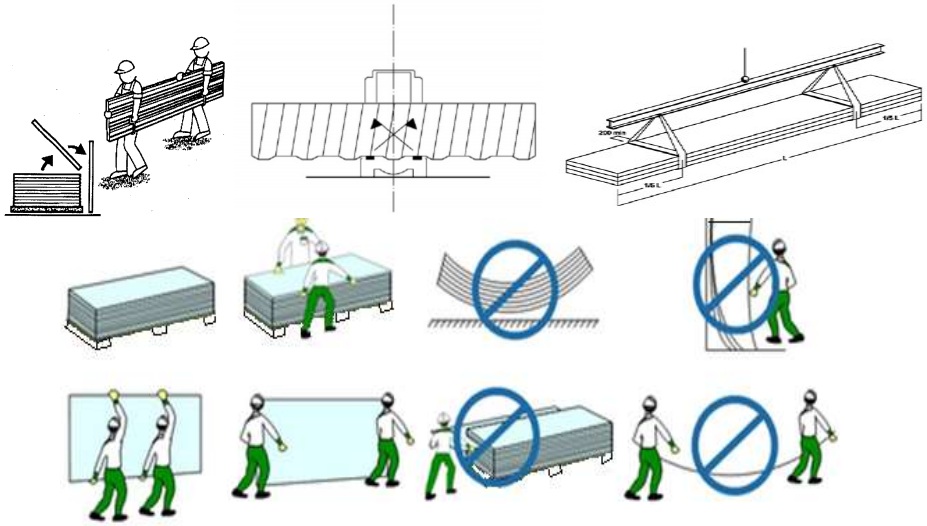
Other recommendations

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 TJ3 1000 panel