

THICKNESS: 30, 40, 60



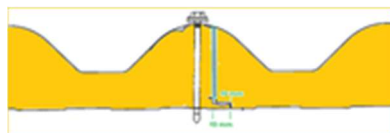
THIS PRODUCT MEETS THE REQUIREMENTS OF REGULATION (EU) N.º 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL LAYING DOWN HARMONISED CONDITIONS FOR THE MARKETING OF THE CONSTRUCTION PRODUCTS AND ARE IN ACCORDANCE WITH ANNEX ZA of EN 14509:2013

Designation:

Insulating Panel roof covering. Panel imitation tile

Description:

It consists of an assembly of two profiled steel sheets interconnected by isolation of rigid polyurethane foam 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, 60 mm
With a tolerance of ± 2 mm.

Width:

995 mm
With a tolerance of ± 2 mm

Length:

According to customer request and subject to the following limits
Minimum: 2.800 mm*
Maximum: 14.000 mm*
With a tolerance of ± 10 mm.

* On request for other measures



Datasheet of Product

Panel for ROOF PCT 1000

Standard measurements:

Measures (mm)	N.º of "tiles"	Measures (mm)	N.º of "tiles"	Measures (mm)	N.º of "tiles"
2 800	8	6 650	19	10 500	30
3 150	9	7 000	20	10 850	31
3 500	10	7 350	21	11 200	32
3 850	11	7 700	22	11 550	33
4 200	12	8 050	23	11 900	34
4 550	13	8 400	24	12 250	35
4 900	14	8 750	25	12 600	36
5 250	15	9 100	26	12 950	37
5 600	16	9 450	27	13 300	38
5 950	17	9 800	28	13 650	39
6 300	18	10 150	29	14 000	40

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

INSULATING CORE

- Rigid polyurethane – PUR B3, without fire reaction class: PND⁽²⁾

- Rigid polyurethane – PUR B2, with fire reaction class: B s₂ d₀

- Rigid polysocianurate foam – PIR, with fire reaction class: B s₁ d₀

- Foam CFC and HCFC free
- thermal Conductivity $\lambda=0.025$ W/mK
- Density = 37 kg/m³ $\pm 10\%$

- mechanical characteristics:

- tensile strength > 0.018 MPa
- compressive strength > 0.100 MPa

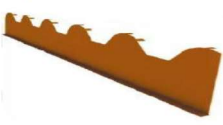
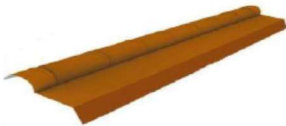
⁽¹⁾ Subject to consultation

⁽²⁾ PND – Parameter not determined

Characteristics:

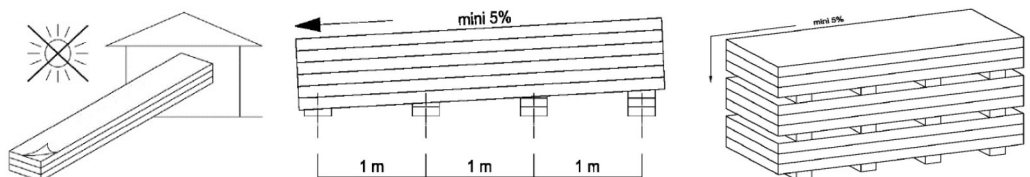
(Thickness of sheet steel 0,5 mm/0,4 mm)												
Panel Thickness (mm)	Thermal Conductivity (W/m ² K)	Panel weight (Kg/m ²)	Flexion máx. = 1/200L Uniformly distributed charge									
			Kg/m ²									
36	0,66	9,59	80	100	150	200	250	80	100	150	200	250
			357	334	310	279	244	219	485	451	415	373
76	0,33	9,96	393	365	303	264	237	534	488	405	353	317
36	0,66	10,70	463	420	386	348	304	273	620	561	516	465

Recommended Accessories:

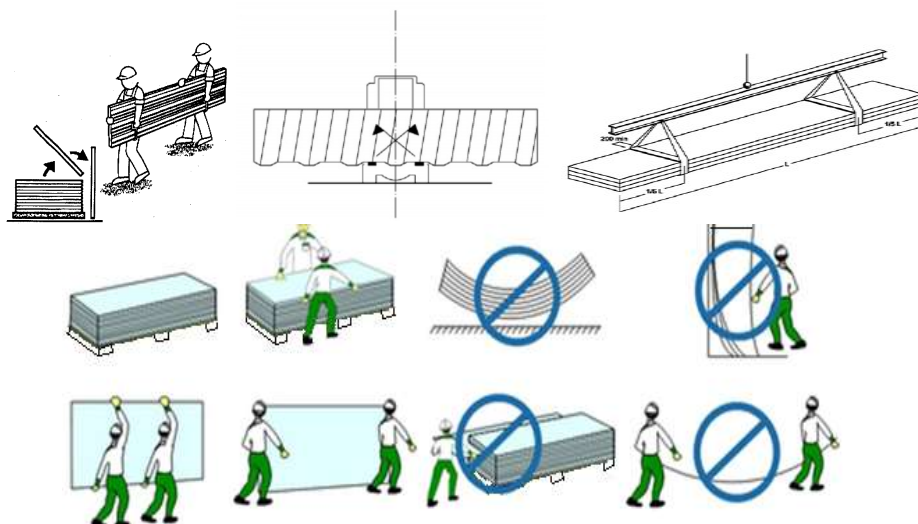
	Top		with bending
	with cutout		with cutout
	with bending		

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 PCT 1000 panel

