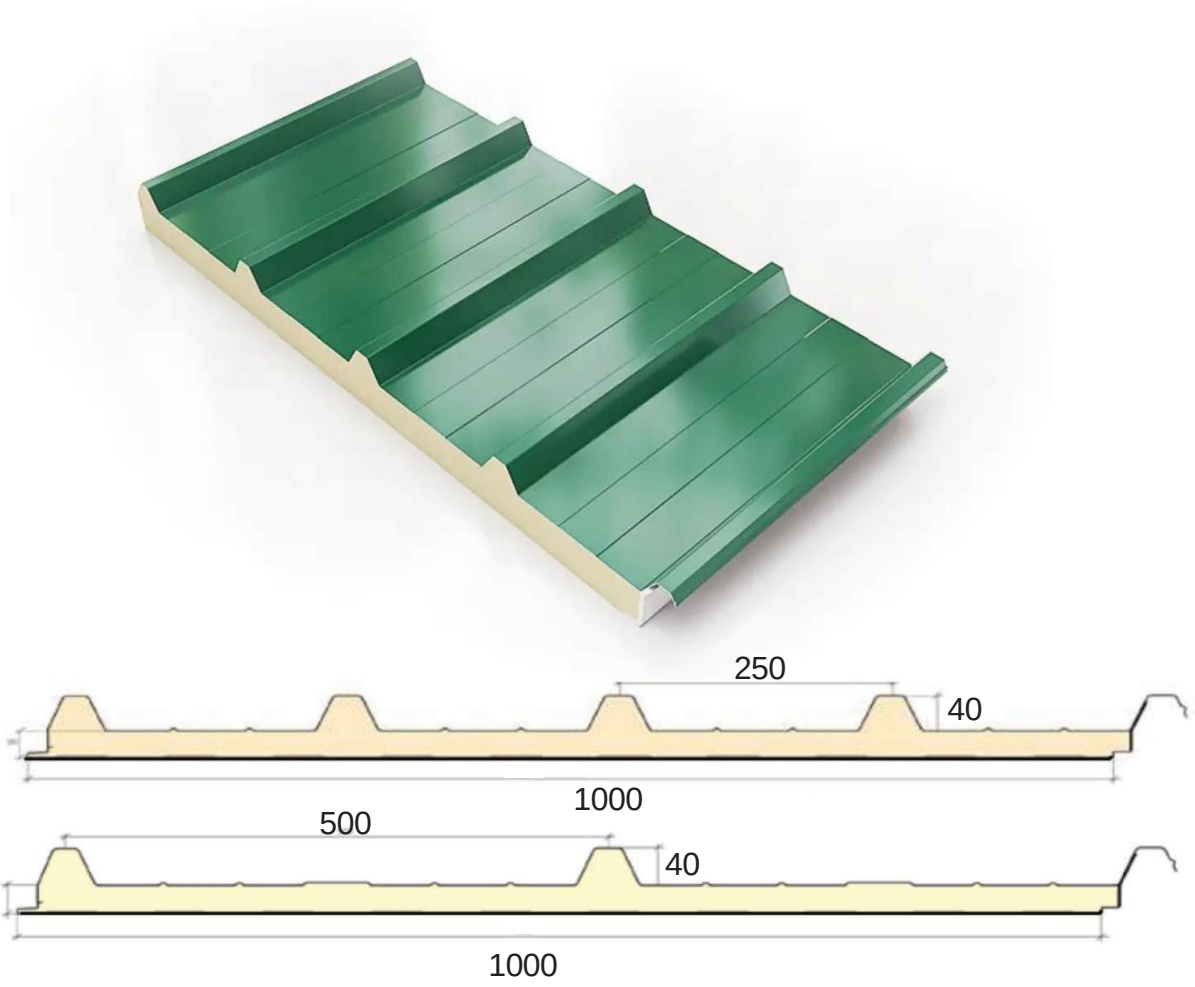
Product Data Sheet

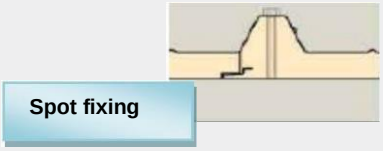
AGRO Roof Panel – PC3A e PC5A



This product does not meet the requirements of EN 14509 for CE marking

Designation: Isothermal panel for covering roofs with 3 or 5 waves.

Application Panel with inner face made of fiberglass-reinforced polyester resin, suitable for applications in more aggressive indoor environments. Ideal solution for farms, the dairy industry and the chemical industry.



Description: It consists of an outer face in profiled steel sheet and an inner face in fiberglass-reinforced polyester resin, interconnected by rigid polyurethane foam (PUR) insulation to form a panel with a useful width of 1000 mm. It fits laterally with other panels to cover a surface. It is fixed with a self-drilling screw in the recess area.

Dimensions:

Thickness: 30, 40 e 50 mm
A tolerance of +/- 2 mm

Useful width: 1000 mm
A tolerance of +/- 2 mm

Length: According to the customer's request and subject to the following limits
Minimum: 4.000 mm
Maximum:13.000 mm
A tolerance of +/- 10 mm

Base materials: **Outer face:**
Rolled steel (minimum S220GD; EN 508), galvanized (EN 10346) and pre-painted (EN 10143)
Note: sheet thickness subject to consultation.
Coating (outer face):
- *Standard:* primer 5 µm + polyester paint 20 µm
- For special applications (1): PVDF, HDX, PVC (suitable for the food industry)

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Inner Face:
Glass fiber reinforced polyester resin
- Thickness: 0,6 mm e 0,4 mm
- Color: opaque white

Nucleus: Rigid Polyurethane Foam - PUR Reaction to fire class: F
- Average density: 40 kg/m3 ± 10%
- Thermal conductivity λ= 0.025 W/m. K
- Foam free of CFC's
- Reaction to fire class: F

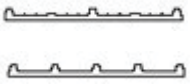
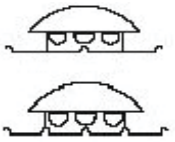
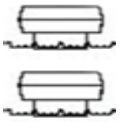
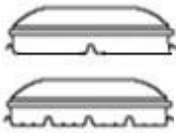
Mechanical characteristics Adhesion (tensile strength on the support) > 0.018 MPa
Compressive strength for 10% deformation > 0.100 MPa

Characteristics

Panel weight Kg/m²	Nominal panel thickness (mm)		
	30	40	50
PC3A 1000	4.21	4.61	5.01
PC5A 1000	4.38	4.78	5.18

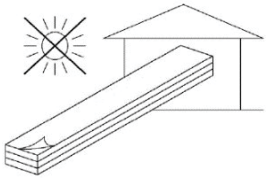
Thermal transmission (W/m². K)	Nominal panel thickness (mm)		
	30	40	50
PC3A 1000	0.79	0.60	0.48
PC5A 1000	0.74	0.57	0.46

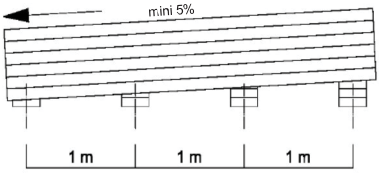
Accessories recommended:

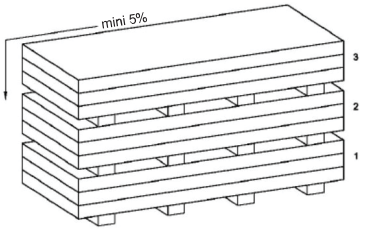
	PPA 1000 Polycarbonate panel 1000x30		VED.003 (for PC3 1000) Top VED.004 (for PC5 1000) Top
	AC.005 Thermopanel gaskets		VNT.002(for PC3 1000) Skylight Ventilation VNT.003(for PC5 1000) Skylight Ventilation
	AC.006 Gaskets for Thermopanel		VNT.005(for PC3 1000) Skylight Ventilation with motor VNT.006(for PC5 1000) Skylight Ventilation with motor
	CR.002(para PC3 1000) Jagged Ridge CR.003(para PC5 1000) Jagged Ridge		VNT.008(for PC3 1000) Skylight with opening for hot water heater VNT.009 (for PC5 1000) Skylight with opening for hot water heater
	VED.005 (para PC3 1000) Sealing gasket for ridge		VED.006 (for PC5 1000) Sealing gasket for ridge

Other recommendations:

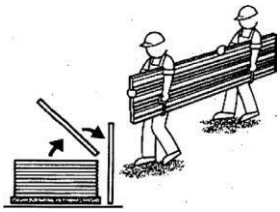
1. Storage:

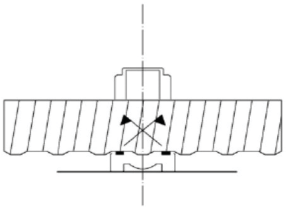


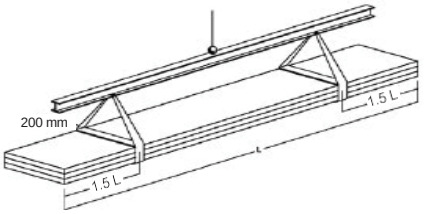


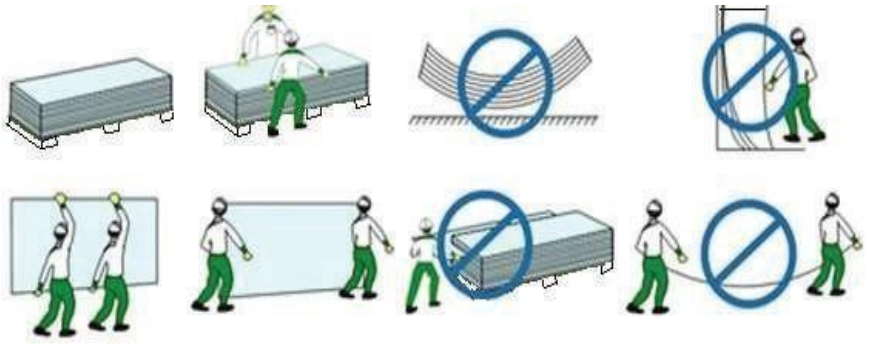


2. Panel application









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, 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**.