



TRADITERM® PANEL EPS

DESCRIPTION

Thermal insulation panel made of self-extinguishing expanded polystyrene, used in the TRADITERM® external thermal insulation system. The expanded polystyrene panel is used as insulation within the TRADITERM® System both in new and restoration work. Its a light and workable material, also easy to cut. The range of thicknesses provide different levels of thermal insulation. It has an excellent resistance to aging.

TECHNICAL CHARACTERISTICS

Thermal insulation panel made of self-extinguishing expanded polystyrene.

ADVANTAGES AND USES

- Light and manageable material.
- Easy to cut.
- Permeable to water vapor.
- Range of thicknesses which provide different levels of thermal insulation.
- Excellent resistance to aging.

APPLICATION PROCEDURE

- The panels are fixed to the substrate using TRADITERM® adhesive mortar, which is applied to the panel beforehand, using the method of a bead of mortar or a notched trowel. The placement of the panels is done in a staggered way (minimum gap between the vertical joints of the panels of 25 cm).
- After a minimum of 24 hours, sand down the surface of the panels to correct any slight unevenness.
- Put fastening anchors into the panels, 8 units per m². The top part of the anchor should be inserted a few mm into the panels. Afterwards the surface over anchor should be smoothed using TRADITERM® mortar.
- Finally, coat the panels with TRADITERM® mortar, reinforced with TRADITERM® mesh.

RECOMMENDATIONS

- When applying the adhesive mortar to the panels, apply this product 2 cm away from the edges of the panel to prevent the adhesive overflowing and generating thermal bridges when the panel is pressed onto the substrate.
- Reinforce all the corners of the panels using the profiles available in the TRADITERM® System.
- In areas exposed to impact, reinforce the panels by using a double TRADITERM® mesh.
- Avoid joints of panels being aligned with window vertices and corners of holes so as to prevent cracks forming.
- Reinforce these vertices with 20 x 40 cm strips of mesh.
- Material is not resistant to solar radiation and organic solvents.

PACKAGING AND STORAGE

The panels should be stored in a dry place protected from the rain, sun and extreme temperatures. Ultraviolet radiation can cause degradation of the surface of the panel if it is stored directly exposed to sunlight. Product considered Non-Hazardous for transport.

TECHNICAL DATA

(Data obtained in a laboratory under standard conditions)

Color	White
Thermal Conductivity	0.035-0.038 W/mK
Panel Dimensions	1000 x 500 mm
Thicknesses available (mm)	20, 30, 40, 50, 60, 80, 100, 120, 140, 150, 160, 180, 200
μ	20 - 100
Fire Reaction	Euroclass E
Stabilization Time	4 weeks

CHARACTERISTICS	NORM	SPECIFICATION
Length	EN 822	L2
Width Tolerance	EN 822	W2
Thickness Tolerance	EN 823	T2
Squarness Tolerance	EN 824	S5
Flatness Tolerance	EN 825	P5
Dimensional stability under specific conditions of temperature and humidity.	EN 1604	±2%
Perpendicular traction resistance of the surfaces.	EN 1607	≥TR80
Reaction to fire	EN 13501-1	Euroclase E

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