MORCEM® THERM PANEL EPS

DESCRIPTION

Thermal insulation panel made of self-extinguishing expanded polystyrene, used in the MORCEM® THERM external thermal insulation system. The expanded polystyrene panel is used as insulation within the MORCEM® THERM System both in new and restoration work.

TECHNICAL CARACTERISTICS

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 MORCEM® THERM 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 MORCEM® THERM mortar.
- Finally, coat the panels with MORCEM® THERM mortar, reinforced with MORCEM® THERM 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 MORCEM® THERM System.
- In areas exposed to impact, reinforce the panels by using a double MORCEM® THERM 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

Rev. 2018_05 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma-dz.com.
B.P. 828 Zone Industrielle Sidi Bel Abbes - 22000 · T: 00 213 (0) 48 70 34 34 · 00 213 (0) 48 70 35 35 · F: 00 213 (0) 48 70 35 55 · info@grupopuma-dz.com

MORCEM® THERM PANEL EPS

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	T1
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

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.

Rev. 2018_05 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma-dz.com.
B.P. 828 Zone Industrielle Sidi Bel Abbes - 22000 · T: 00 213 (0) 48 70 34 34 · 00 213 (0) 48 70 35 35 · F: 00 213 (0) 48 70 35 55 · info@grupopuma-dz.com

grupopuma