MATIS

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MT-380 THERMOBOND

High-performance, cement-based adhesive and plaster for thermal insulation boards with Fibre Strength Tech.

PACKAGING
25kg

MIXING RATIO
6-6.5 L/25kg

CONSUMPTION
3-5 kg/m^2 -Adhesive
1.5-3 kg/m^2 -Plaster

Description
MT-380 THERMOBOND is a polymer-modified, cement-based adhesive and plaster for thermal insulation boards with Fibre Strength Tech.

Area of Use
-It is used for external thermal insulation systems when used in combination with MATIS premium renders.
-It is used for bonding thermal insulation boards of extruded or expanded polystyrene to facades made of concrete, render, or masonry.
-It is used as a base coat with reinforcing fiber-glass mesh on facade insulation boards, serving as the ideal substrate for the subsequent coat of render.

Substrate Preparation
The surface to be covered with boards should be free of dust, grease, loose particles, paints, etc. It is recommended to dampen it before application.

Application
MT-380 THERMOBOND is slowly added to water under continuous stirring, until a homogeneous paste is formed.

A low-speed mixer is recommended for mixing. The mixture should be left to rest for about 10 minutes before is stirred again for a bit.
The adhesive is evenly spread over the entire surface using a notched trowel. After that the material is applied with a smooth trowel at a maximum thickness of 3-4 mm as a plaster. Then, a reinforcing fiberglass mesh is placed and firmly embedded into the fresh base coat layer with a trowel.
Finally, the surface is smoothed out and the excess adhesive is removed.

Consumption
It consumes 3-5kg/m2 as an adhesive and 1.5-3kg/m2 as a plaster depending on the surface.

Features

EN 998-1 GP CS IV, W2 · CE · FIBER STRENGTH TECH · 2in1

Technical Data (IN +23°C AND 50% U.R.)

Form	Powder
Colour	Grey/White
Storage	12 months when stored in the original sealed packaging in a dry place.
Mixing Ratio	6-6.5 litres of water / 25 kg
Application Temperature	(+5˚C) - (+35˚C)
Pot Life	3 Hours
Adhesion to the Thermal Insulation Board	Min. 0.07 N/mm^2
Water Absorption (EN 1015-18)	$\leqslant$ 0.35 kg/m^2 $dk^{0.5}W2$
Flexural Strength (EN 1015-11)	Min. 2 N/mm^2
Compressive Strength (EN 1015-11)	$\geqslant$ 5 N/mm^2 CS IV
Bonding Strength – Type of Break (EN 1015-12)	$\geqslant$ 0.5 N/mm^2 - B
Bulk Density of Hardened Mortar (EN 1015-10)	1400 ± 100 kg/m^3
Water Vapor Permeability Coefficient (μ) (EN 1745)	5/20
Thermal Conductivity (EN 1745)	0.44 W/mK (P=50%)
Service Temperature Range	(-30˚C) - (+80˚C)
Reaction to Fire	A1
Dangerous Substances	Complies

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