

## MT-450 MATITHERM

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



### PACKAGING

25kg



### MIXING RATIO

5.5-6.5 L/25kg



### CONSUMPTION

3-5 kg/m<sup>2</sup>

### Description

MT-450 MATITHERM is a polymer-modified, cement-based adhesive 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.

### 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-450 MATITHERM 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 5 minutes before is stirred again for a bit.

### Consumption

It consumes 3-5kg/m<sup>2</sup> depending on the surface.

### Features



## 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	5.5-6 litres of water / 25 kg
Application Temperature	(+5°C) - (+35°C)
Pot Life	3 Hours
Adhesion to the Thermal Insulation Board	Min. 0.10 N/mm <sup>2</sup>
Water Absorption	30 dk. max. 5 gr / 240 dk. max. 10 gr
Flexural Strength (EN 1015-11)	Min. 2 N/mm <sup>2</sup>
Compressive Strength (EN 1015-11)	Min. 10 N/mm <sup>2</sup>
Adhesive Strength of Hardened Rendering and Plastering Mortars (EN 1015-12)	Min. 0.7 N/mm <sup>2</sup>
Service Temperature Range	(-30°C) - (+80°C)
Reaction to Fire	A1
Dangerous Substances	See SDS

### MATIS Construction Chemicals

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THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website [www.matis-eu.com](http://www.matis-eu.com), as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.