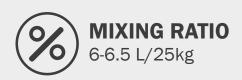
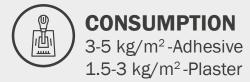


# MT-500 MATIFIX 2IN1

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







## **Description**

MT-500 MATIFIX 2IN1 is a high-performance, polymer-modified, cement-based adhesive and plaster for thermal insulation and mineral wool 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 and mineral wool boards to facades made of concrete, render, or masonry.
- -It is used as a base coat with reinforcing fiberglass 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-500 MATIFIX 2IN1 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**













# 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. 0.08 N/mm <sup>2</sup>
Water Absorption (EN 1015-18)	$\leq 0.40 \text{ kg/m}^2 \text{ dk}^{0.5} \text{W2}$
Flexural Strength (EN 1015-11)	Min. 2 N/mm <sup>2</sup>
Compressive Strength (EN 1015-11)	≥ 6 N/mm <sup>2</sup> CS IV
Bonding Strength – Type of Break (EN 1015-12)	≥ 0.5 N/mm² - B
Bulk Density of Hardened Mortar (EN 1015-10)	1400 ± 100 kg/m <sup>3</sup>
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

### **MATIS Construction Chemicals**

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