



Mada Trade co.

MD 3000

Polymer-modified
fiber-reinforced adhesive
reinforcing mortar &
for thermal insulation boards



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MD 3000

Polymer-modified fiber-reinforced adhesive & reinforcing mortar for thermal insulation boards

DESCRIPTION

MD 3000 is a single-component fiber reinforced, resin-modified cement based adhesive, ideal for bonding and coating of thermal-insulation boards in external thermal-insulation systems. It satisfies the requirements of adhesive type C1 according to EN 12004 and is classified as a general purpose (GP) rendering mortar type CS III of low water absorption W 2 according to EN 998-1.

Application

MD 3000 used as adhesive, is suitable for the adhesion of all types of thermal insulation boards, made of expanded/extruded polystyrene, mineral wool, cork, etc., on concrete, plaster or brickwork surfaces. In addition, is used as basecoat for cement board, or reinforced with fiberglass, suitable for smoothing insulation boards.

Advantages

- ❖ Ready for use mortar, just with addition of water.
- ❖ Excellent adhesion to substrate due to its composition of organic polymers and synthetic resins.
- ❖ Minimizes the risk of cracking because of its non- shrinking ability.
- ❖ Quick and easy to apply.
- ❖ Thixotropic, application to vertical surfaces without flowing.
- ❖ High initial strength.
- ❖ Waterproof, weather and frost resistant after hardening.
- ❖ Flexible.



MD 3000

Method of use

Must prepare the substrate in order to be clean of loose pieces, as well as peeled off paints and oils. Wet the surface before application.

- ❖ Do not apply at temperatures below 5°C and above 35°C or during rain. When the application temperature is at 5-8°C, then the mixing and saturation water of the substrate is recommended to be warm to hot. At 30-35°C, water is recommended to cold.
- ❖ Protect surfaces from sun, wind and rainfall and do not apply the mortar with rain or strong wind.
- ❖ Do not use the product for adhesion to metal or wooden surfaces.
- ❖ The product contains cement and is classified as irritant.
- ❖ Clean tools immediately after use with water.

Consumption

- ❖ As adhesive: 2-4 kg/m² depending on the substrate. As basecoat: 1.5 kg/m² for thickness of 1 mm.

Storage

- ❖ It can be retained at least 12 months from its production day, in unopened package protected from the moisture.

Packaging

- ❖ Bags of 25 kg. / 54 bags / Pallet: 1.350 kg

Colors

- ❖ Available in white and grey.

Certificates

The product is certified according to EN 998-1 as a general purpose (GP) rendering mortar for external use type CS III of low water absorption W 2.



MD 3000

Specifications	
Form	Powder
Color	White, Grey
Bulk density	1.40 ± 0.04 g/cm ³
Mixing ratio	6.5 L water / 25 kg powder
Pot life	5-6 hours
Open application time	>30 min
Temperature application	+5°C to +35°C
<u>Adhesion strength according to EN 12004</u>	
Initial adhesion strength	0.6 N/mm ²
After water immersion for 2 days	0.3 N/mm ²
After water immersion for 2 days and at standard conditions for 7 days	0.6 N/mm ²
<u>Adhesion strength to EPS for 28 days</u>	
Initial adhesion strength	0.6 N/mm ²
After water immersion for 2 days	0.2 N/mm ²
After water immersion for 2 days and at standard conditions for 7 days	0.7 N/mm ²
Compressive strength (EN 1015-11)	4.67 N/mm ² (CS III)
Adhesion (EN 1015-12)	1.28 N/mm ²
Capillary water absorption (EN 1015-18)	0.055 kg/m ² h ^{0,5} (W 2)
Water vapour permeability coefficient (EN 1015-19)	μ 30
Thermal conductivity (EN 1745)	0.42 W/mK
Ready to be used	After 24 hours
Temperature durability	-20°C to +80°C



ISO 9001:2015
CERTIFIED
QUALITY MANAGEMENT SYSTEM
970424A



ISO 14001:2015
CERTIFIED
ENVIRONMENTAL MANAGEMENT SYSTEM
970424B



ISO 45001:2018
CERTIFIED
OCCUPATIONAL HEALTH & SAFETY
MANAGEMENT SYSTEM
970424C





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