

## LIGHT ADHESIVE FILLER MAXIMO M 70

- > especially malleable to process
- > higher yield
- > dust reducing
- > ETAG 004 certified



### Product description

White, low-dust, innovative mineral powder adhesive and filler based on a lightweight filler. Suitable for manual and machine processing. For nominal thicknesses from 3 to 8 mm.

#### Delivery format:

Container	Outer packaging	Pallet
13 KG / PS		72

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

### Processing

#### Mixing:

Sprinkle powder adhesive into pure water and mix it in with a suitable stirrer until a lump-free blend is obtained (keep adding water in continuous mixer; you must mix again with a stirrer). Briefly stir again after a rest time of approx. 5 min.

Pot life: approx. 1.5 hours.

Under no circumstances may material which has already stiffened be made viscous again with water.

Admixing additives (e.g. frost protection, quick binder) is prohibited.

#### Processing:

ENERGY SAVING SYSTEM adhesive application: Adhesive application takes place via edge-bead-point method. The quantity of the adhesive to be applied is to be chosen so that it yields a contact surface of min. 40% with the substrate, taking into account the substrate tolerance and the layer thickness of the adhesive (approx. 1-2 cm). On the edge of the panel, a circumferential, approx. 5 cm wide strip is applied, and three adhesive points roughly sized the palm of a hand are applied in the middle of the panel. Unevenness of up to 10 mm can be evened out in the adhesive bed. Insulation panel laying: Basically, only whole insulation panels are to be laid from bottom to top flush against one another and "full in the joint" in formation. The use of residual pieces (minimum width 15 cm) is permitted, they may only be distributed individually over the surface, but

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## Colour and Coating System

not on the building corners. Even and jointless laying of the insulation panels is to be ensured. No adhesive may get into the board joints.

Board joints may not transition into the edges of openings (e.g. window and door openings). The building edges are interleaved along the panel width. Use only whole and half panels for this.

Dowels: If dowel holes are required, these may already be drilled 24 hours after adhering the insulation panels. See ÖNORM B 6124, B 6400 and B 6410. The dowel heads are to be covered with the same material before applying the area reinforcement.

Area reinforcement: After hardening of the adhesive, the insulation panels are ground and cleaned. Then ENERGY DIAMOND MAXIMO M70 is applied with a stainless steel notched trowel (10 mm toothing). In the fresh in-wall mortar, the ENERGY TEXTILE is embedded in crease-free, as continuous as possible tracks with an overlap of at least 10 cm. The textile mesh must be covered at least 1 mm (in overlap area min. 0.5 mm, max. 3 mm) with ENERGY DIAMOND MAXIMO M70. The embedded textile glass mesh is to be applied with in-wall mortar "wet on wet". Avoid excess smoothing. Filler burrs which occur are to be chipped off after drying.

In addition to the standards cited, the respective valid processing guidelines for thermal insulation systems are to be observed!

### Levelling:

On concrete: Thoroughly clean the substrate and remove separating agents (e.g. mould oil, mould wax).

On lime/cement plaster: Thoroughly clean the substrate, close cracks in a separate work step.

On screeds: The screed must be saponification-resistant, solidly adhere to the substrate (check with knife cut) and may not chalk.

## Technical data

Grain size	0,7 mm
Consumption	Adhesion: approx. 4 -5 kg/m <sup>2</sup> , Filling: approx. 4.5 - 5.5 kg/m <sup>2</sup> , Cement, organic binding agent, sand, light fillers, additives. Quality assurance: In-house monitoring by our own plant laboratory. Third party monitoring of ongoing production control by a notified body.
Layer thickness	mind. 3 mm, max. 8 mm
Thermal conductivity coefficient $\lambda$	ca. 0,6 W/mK
Vapour diffusion $\mu$	approx. 45
Dry raw density	1000 kg/m <sup>3</sup>
Water consumption	approx. 3 - 3.5 l / 13 kg PS

## Test certificates

**Tested in accordance with (standard, classification ...)**

ETAG 004

## Substrate

### Suitable substrates:

Mineral substrates

Concrete, aerated concrete

Lime cement and cement plasters P II & P III

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Weight-bearing coatings  
Thermal insulation systems  
Lime/gypsum plaster  
Plasterboards and gypsum plasterboards (pre-treatment required)

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

## For a perfect system

### System products:

ENERGY Diamond Maximo M70, ENERGY Panel White/Gray, ENERGY Textile, ENERGY Primer, ENERGY Furioso, ENERGY Crystal, ENERGY Brilliant, dowel

## Product and processing instructions

### Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Before each further coating, a pot life of min. 2-3 days (depending on the temperature and air humidity) is to be kept. It is especially important that the coating produces a uniform, dry appearance without wet patches (dark spots on the facade).
- Facade insulation panels which have been exposed to UV radiation for more than two weeks (yellowed panels) may not be smoothed; you must first grind and dedust again.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The air, material and substrate temperature must be +5 °C during processing and the setting process.
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect facade from direct sunlight, rain and strong wind (e.g. via scaffolding protection net).
- Protect adjacent components!

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

### Limiting and monitoring exposure

### Personal protective equipment:

### General protection and hygiene measures:

- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

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## Colour and Coating System

### Breathing protection:

- Wear breathing protection in case of inadequate ventilation.
- Filter P2.

### Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

### Glove material

- Use gloves made from stable materials (e.g. nitrile).

### Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

### Eye protection: protective goggles.

### Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).