

Tile laying technology

EPOXY ADHESIVE MORTAR EKY 91

- > white
- > bacteriologically harmless
- > for adhesion



Product description

White, food-safe, waterproof, frostproof, solvent-free, temperature-resistant, bacteriostatic, aging-resistant and chemical-resistant, 2-component epoxy resin adhesive mortar for laying in thin-bed process in wall and floor areas. GIS code: RE 1

Grouting of ceramic tiles, panels and mosaics in interior and exterior wall and floor areas. Especially suitable for use with aggressive waters, plant-based or animal fats and chemicals, as well as in drinking water containers.

Delivery format:

Container	Outer packaging	Pallet
6 KG / KKA		39

Storage:

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

Processing

Recommended tools:

Low-speed electric agitator, suitable mixing vessel, ridge trowel, hard rubber spatula, hard sponge (viscose sponge).

Mixing:

Empty both components, A + B, in a clean mixing vessel and ensure that both containers are completely scraped out. Then the components are mixed thoroughly with a stirrer. Afterwards, the material should be repotted and stirred again.

Processing:

Apply the material to the substrate in even layer thicknesses and comb through with a notched trowel. Then the laying material is to be laid in the adhesive bed. Clean the ceramic covering after approx. 5-15 minutes with clean water and a hard sponge. After drying, clean it again with pure water. Light contaminants (e.g. also veil) can be removed in conjunction with the Epoxy grout cleaner ERY 92. Coarse contaminants can no longer be removed afterwards.

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Technical data

chemically load-bearing	after approx. 10 days
Colour	white
Can be corrected within	approx. 30 min.
Consumption	Consumption according to toothing: approx. 1.5 kg/m ² at 4 mm toothing, approx. 2.9 kg/m ² at 6 mm toothing, approx. 3.5 kg/m ² at 8 mm toothing, approx. 4.5 kg/m ² at 10 mm toothing
mechanically load-bearing	after approx. 3 days
Mixing ratio	Comp. A : comp. B = 100 : 6.2
Open time	approx. 30 min.
Layer thickness	max. 5 mm
Processing temperature	above +15 °C
Processing time	approx. 30 min.
Jointable/accessible	after approx. 24 hrs

Test certificates

Tested in accordance with (standard, classification ...)
EN 12004

Substrate

Suitable substrates:

Concrete
Cement screed
Anhydrite screed
Mastic asphalt
Plaster
Lime-cement plaster
Masonry
Gypsum plasterboard
Formwork-smooth concrete
Aerated concrete

Not suitable: see resistance list for wooden materials.

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".

Product and processing instructions

Material instructions:

- When working outside the ideal temperature and/or humidity range the material properties may change significantly.
- Bring materials to correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!

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- Water addition amounts or dilution instructions may be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!
- Outdoors, in permanently wet areas, in areas under heavy load, as well as for natural stone and large areas the combined (buttering/floating) procedure is to be used .

Tips:

- We strongly recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- For heated screeds, a standard heating procedure must take place before laying.

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

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

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.