

# MurePrime OG 80 Epoxy Primer



- > levelling
- > high substrate wetting
- > very good ventilation

## Product description

Modified, unpigmented, epoxy resin hardener system made of two components for universal use in construction. The material is already pre-filled for primer surfacings, but can be filled on site with fire-dried quartz sand as needed.

Indoors and outdoors as a primer and scratch coat for EP or PU coatings. For the production of mortar mixtures with quartz sand and vapour barriers.

### Delivery format

| Container   | Outer packaging | Pallet |
|-------------|-----------------|--------|
| 25 KG / BHO | -               | 16 BHO |
| 5 KG / BLE  | -               | 80 BLE |

### Storage

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

## Processing

### Recommended tools

Slow-rotating electric agitator, suitable mixing vessel, smoothing trowel, spatula, roller, rubber broom.

### Mixing

Component A and component B are in the relevant correct mixing ratios. A scale must be used to determine partial quantities. Stir component A thoroughly using a slow-rotating electric mixer (about 300 rpm) and then add component B and stir until a homogeneous, streak-free consistency is achieved (about 2-3 minutes).

To prevent mixing and/or proportioning mistakes, the mixed material must be decanted into a clean, dry container (repotted) and stirred thoroughly again.

## Processing

Depending on the application, pour the material onto the pretreated substrate section by section and distribute across the entire surface with a roller or notched trowel. When using a two-layer moisture barrier, apply the first coat without adding quartz sand and allow it to dry. (Consumption approx. 250g / m<sup>2</sup>) After 12 hours or at the latest after 48 hours, the second coat must be applied (consumption approx. 150 g/m<sup>2</sup>), and sprinkle immediately after application with fire-dried quartz sand 0.3 - 0.8 mm or 0.6 - 1.2 mm.

- roll or fill as a primer and vapour brake.
- as a scratch coat - 1: 0.5 with QS (0.1-0.5 / 0.3-0.8 mm)
- as a kellenverlegbarer reaction resin mortar MV - 1: 5 - 1: 7 with QS 0.063 - 3.5 mm

## Technical data

|               |                                                                                                                                                                                                                                                                                                                |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical base | Epoxy resin                                                                                                                                                                                                                                                                                                    |
| Density       | Comp. A + B approx. 1.4 g/cm <sup>3</sup>                                                                                                                                                                                                                                                                      |
| Viscosity     | Comp. A + B approx. 1000 mPa*s                                                                                                                                                                                                                                                                                 |
| Colour        | beige                                                                                                                                                                                                                                                                                                          |
| Consumption   | as a primer approx. 0.4-0.5 kg/m <sup>2</sup> per job<br>as scratch coat approx. 0.8 - 0.9 kg/m <sup>2</sup> per mm for MV 1:0.5 with QS 0.3 - 0.8 mm<br>as coarse mortar approx. 2.5 kg/m <sup>2</sup> per cm, MV: 1:5 up to 1:6 with QS 0.063 - 3.5 mm<br>as a vapour barrier approx. 0.45 kg/m <sup>2</sup> |
| Mixing ratio  | A:B = 5:1                                                                                                                                                                                                                                                                                                      |
| Pot life      | approx. 25 - 30 min.                                                                                                                                                                                                                                                                                           |
| Recoatibility | after approx. 18 hrs                                                                                                                                                                                                                                                                                           |

## Test certificates

Tested in accordance with (standard, classification ...)  
EN 1504-2:2005

## Substrate

### Suitable substrates

Requirements for mineral substrates: the substrate must be dry, stable, and free of separating, intrinsic, and dissimilar substances, pursuant to the IBF Guideline "Industrial floors made of reactive resin". Residual moisture max. 4 % by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dew point; adhesive tensile strength on average 1.5 N/mm<sup>2</sup>; adhesive tensile strength smallest single value 1.1 N/mm<sup>2</sup>

## Product and processing instructions

### Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials to correct temperature before processing!
- To retain the product properties, no foreign materials may be added in!
- Water addition amounts or dilution instructions must be precisely kept!
- Check tinted products for colour accuracy before use!
- Colour uniformity can only be guaranteed within one batch.
- The colour formation is significantly influenced by environmental conditions.
- Open the container carefully and stir the product well!
- For the mixing of partial quantities scales must be used!
- After mixing, reaction resins are processed as quickly as possible.
- Water-based systems only last to a limited extent after dilution with water; We therefore recommend processing as quickly as possible.
- In the case of water-based systems, the amount of water specified by the manufacturer may only be added after mixing components A and B.
- Always allow primers to dry/harden well.
- Bear the build-up of odour of solvent-based systems in mind.
- Applied reaction resins can be walked on at a constant temperature of 20°C after 1 day, are mechanically resistant after 3 days and chemically resistant after 7 days.
- UV exposure and exposure to certain chemicals may cause discoloration or yellowing on the surface, but this does not affect the functionality and serviceability of the coating.
- Unused, already mixed residual quantities must be mixed with quartz sand (smoke development).

### Environmental information:

- Do not process at temperatures below + 5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal humidity range is 40% to 60% relative humidity.
- Delayed high humidity and/or lower temperatures, low humidity and/or higher temperatures accelerate drying, setting and hardening.
- Provide sufficient ventilation during the drying, reaction and hardening phases; Avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjoining components!
- The substrate temperature must be at least 3 K above the dew point.  
(Based on the prevailing relative humidity and the air temperature, the respective dew point temperature can be determined by means of a dew point table.)
- Protect against contamination (dust, insects, leaves, etc.) during the reaction phase!
- If the 48-hour time window is exceeded between the individual work steps, an intermediate sanding must be carried out!
- In UV-exposed areas we recommend systems that are resistant to yellowing. Systems.

### Tips:

- Basically, we recommend you create a test area beforehand or to do a small pre-test.
- Observe product data sheets of all MUREXIN products used in the system.
- For repair work, keep a genuine original product of the respective batch.
- In order to avoid estimates and visible transitions between several work paths, these are to be processed offset in larger lengths!
- Grinding, scratching, mechanical loads lead to signs of wear.
- Plasticisers from car tyres can lead to discoloration.

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

Please refer to the safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions, and disposal.

### Limiting and monitoring exposure

#### Personal protective equipment:

##### General protection and hygiene measures:

- Keep away from foodstuffs, beverages, and feedstuffs.
- Immediately take off dirty, soaked clothing.
- Wash hands before breaks and when finishing work.
- Avoid contact with the eyes and skin.

##### Breathing protection: for short-term or low load

Breathing filter device: use self-contained breathing apparatus for more intensive or longer exposure.

##### Hand protection:

- Protective gloves.

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## Coating technology

- The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Glove material

-The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation made up of many materials, the resistance of glove materials cannot be predicted in advance and must, therefore, be checked before use.

Penetration time of the glove material

- The precise penetration time must be ascertained from the glove manufacturer and observed.

Eye protection: tightly closing 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).