

EPOXY IMPREGNATION REPOL EP 1



- > resistant to frost and thawing salts
- > chemical resistance
- > solidifying
- > protects against evaporation

Product description

Solvent-based, two-component, transparent epoxy resin system as impregnation and evaporation protection. Indoors and outdoors. For impregnating and solidifying absorbent mineral substrates and wood. For impregnation and as evaporation protection on freshly winged monolithic panels (application in good time in the hydration phase - absorbency of the concrete must still be guaranteed!). For improvement of mechanical abrasion resistance For protection against fuels and oils.

Delivery format:

Container	Outer packaging	Pallet
5 L / BKA		42
5 L / BKA		99

Storage:

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

Processing

Recommended tools:

Slow-rotating electric agitator, suitable mixing vessel, brush, roller, rubber broom, airless sprayer (solventbased design).

Mixing:

Component A and component B are basically delivered in the relevant correct mixing ratios. A scale must be used to determine partial quantities. Thoroughly mix component A via a slow-rotating electric agitator (approx. 300 rpm), then add component B and continue mixing until a homogeneous, lump-free consistency is reached (approx. 2-3 minutes). To avoid mixing and/or ratio errors, the mixed material must be filled (recanted) into a clean, dry vessel and mixed thoroughly again.

Processing:

The mixed impregnation is poured onto the substrate and applied flooding with a rubber broom and rolled (avoid formation of puddles!) When using as impregnation under reactive resin systems, a drying time of min. 24 hours must be kept. When using for evaporation protection, the application takes place via a sprayer (solvent-based design).

Technical data

Density	Comp. A + B approx. 1.0 g/cm ³
Colour	transparent
Viscosity	Komp. A + B ca. 40 mPa*s
Consumption	0.15 - 0.30 l/m ² in one application depending on the absorbency of the substrate.
Pot life	approx. 12 hrs at 20 °C

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 Directive - industrial substrates of reaction 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/mm²; adhesive tensile strength smallest single value 1.1 N/mm²

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.

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 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 against direct sunlight, wind and weather!
- 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.

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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 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.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Do not inhale gases/vapours/aerosols.
- Avoid contact with the eyes and skin.

Breathing protection:

- Use a breathing filter device for short term or minor exposure; for more intensive or longer exposure, use a self-contained breathing apparatus.

Hand protection: protective gloves.

Glove material

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary 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 is to be found out from the protective glove manufacturer and complied with.

Eye protection: tightly sealed 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.