

E3

EPOXY PRIMER

SOLVENT-FREE EPOXY PRIMER AND MOISTURE BARRIER

EPOXY

Epoxy primer-E3 is a 2-component epoxy primer and moisture barrier, Epoxy Primer is designed to be applied over a porous surface to seal it and to act as a bonding bridge between it and the following coating system or mortar.

USES

Epoxy primer is designed for use in conjunction with porous and semi-porous concrete and steel substrate For moisture control on cement-based substrates with moisture contents of up to 5% CM.

- For substrate consolidation on concrete, cement and anhydrite screeds and refurbished substrates.
- For adhesion promotion for broadcast mastic asphalt and on old adhesive residues.

ADVANTAGES

- 2-component
- Reactive epoxy
- Solvent-free
- Easy to apply, low viscosity
- Allows quick completion
- Good penetration and stabilization of the substrate
- Suitable for refurbishing existing substrates
- Suitable for use with underfloor heating

PRODUCT INFORMATION

Composition	2 Component Epoxy resin compound
Packaging	5 kg / 15 kg pails
Appearance / Colour	Standard
Shelf Life	12 months from date of production
Storage Conditions	Store in a dry area in original sealed packaging at temperatures between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture.
Density	Mixed Resin: 1.18 kg/l(at +25 °C)
Solid Content	100 % by weight

TECHNICAL INFORMATION

Compressive Strength	up to 70 N/mm ² (28 d / +25 °C) (EN196 part 1)
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APPLICATION INFORMATION

Pot Life	15 mint at temperature +30 °C
Consumption	400–600 g/m ² , depending on the absorbency of the substrate. This figure is theoretical and does not include any additional material required due to surface porosity, surface profile, variations in level and wastage etc.
Curing Time	Fully cured 6h (30 °C)

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.

- At least 50% of the surface area must be cleared of residual adhesive (i.e. by grinding).
- Preliminary bond strength testing is recommended.
- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum on an open textured surface.
- Anhydrite screeds, including flowable anhydrite screeds, must be ground and thoroughly cleaned with an industrial vacuum shortly before coating.

MIXING

Add component B to component A in the correct ratio using an electric stirrer at a low speed (300–400 rpm). A minimum mixing time of 3 minutes is required; stirring shall continue until the mix becomes homogeneous. Pour mixed material into a clean container and mix again.

APPLICATION

Apply Epoxy primer uniformly (in two directions 90°) to the substrate using a nylon roller, ensuring that a continuous coat is achieved over the entire surface (produces a mirror like finish).

A waiting time of > 8 hours and < 36 hours must be observed between coats of epoxy primer.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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