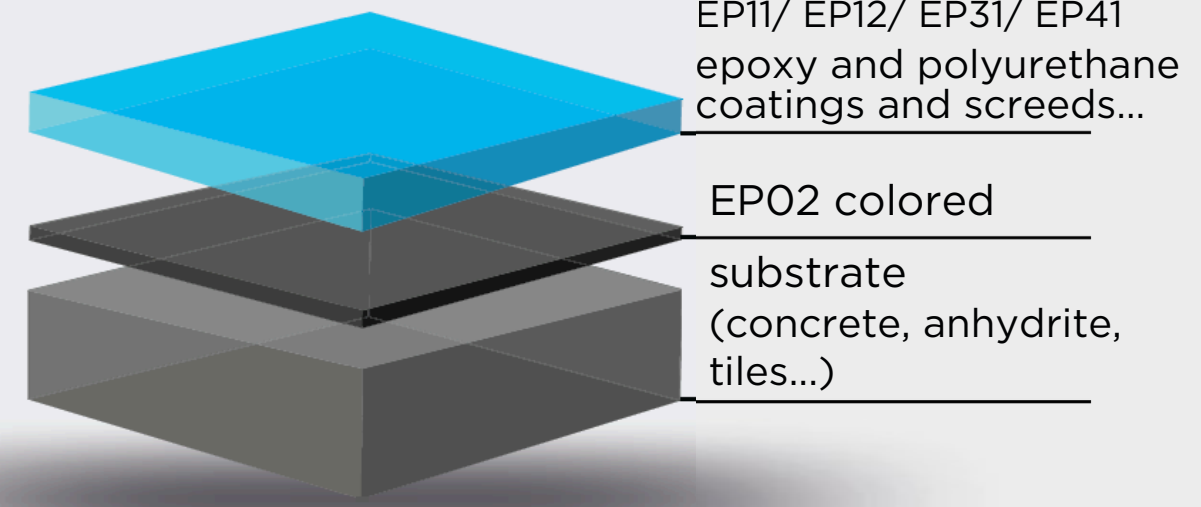




TopStone EPO2 colored

special bonding and primer screed material TopStone

26.08.2022 ver. 1



2-component epoxy primer suitable for both dry and wet concrete and other mineral substrates

Functions:

Primer and bonding layer for optimal adhesion of final layers to the TopStone substrate.

Possible use:

- primer for damp and wet concrete, primer for dry concrete
- primer for cement screeds such as Morfico, Fortemix, etc.
- substrate reinforcement – primer for cement screeds and anhydrite
- primer for existing resin surfaces, metals, ceramic tiles
- bonding layer between old and new concrete / substrate reinforcement
- dust-proof coating in double-floor systems / lamination
- binder for creating leveling “scratch” layers, reprofiling, polymer mortar
- after mixing with TopThix, can be used to fill small pits, seal pores, etc.; crack filling (stitching)
- creation of coves and fillets at floor/wall junctions
- primer for foundation slabs, so-called “white tanks”

Advantages:

- application on fresh concrete already on the fifth day after casting
- double the strength within the first 48 hours compared to commonly available primers
- easy application, excellent mechanical properties, good penetration ability
- multipurpose material, low viscosity, high adhesion
- can be tinted with TopStone pigments

Characteristics:

Epoxy, two-component, colored, low-viscosity, solvent- and nonylphenol-free, environmentally friendly.

Processing data:

Workability	40 minutes (at + 20 °C)
Walkability	approximately 20 hours (at + 20 °C)
Next layer application	no later than 48 hours
Full curing	7 days (at +20 °C)
Application temperatures	+ 10 °C (min.)/+ 30 °C (max.)
Maximum relative air humidity	80 %
Dew point	Beware of condensation. The substrate and the uncured coating must be at least 3 °C above the dew point. Low temperatures and high humidity can lead to efflorescence (white spots).

EPO2
colored

Curing acceleration:

	Accelerator - dosing from component B of the material	Non-sticky, lightly sandable, recoatable		Hard, sandable	
		16°C	23°C	16°C	23°C
Thin coating	max. 10 %	6 hours	5 hours	8 hours	7 hours
Rough coat, scratch coat	max. 10 %	5 hours	3,5 hours	7 hours	6 hours
Plastic concrete approx. 1 cm	max. 10 %	3 hours	2,5 hours	6 hours	5 hours

During application and curing, TopStone EPO2 must not come into direct contact with water or chemicals. Additionally, the substrate must not contain water-soluble substances such as salts, solvents, etc. Do not use diesel or gas burners, or similar equipment, to heat the area during application, as they produce CO₂ and water vapor on site, which negatively affect surface quality.

Packaging and coverage:

The indicated material consumption may vary depending on specific conditions and the particular application.

Wholesale packaging 25kg approximately 50 m²

Instructions:

1. Substrate preparation – remove dirt, loose particles, roughen the surface, and, if necessary, grind, mill, or blast the surface, then vacuum it. Remove grease and other chemicals that may act as a separator.
2. Tool preparation: container for mixing the two components of the binder according to instructions, mixer, paint roller (velour, nylon with short nap), brush, rubber squeegee, steel trowel.
3. Thoroughly mix both components A and B of TopStone EPO2 using a slow-speed paddle mixer for 3 minutes.
4. Apply the prepared material within 30 minutes at 20°C using a suitable method, e.g., roller, brush, broom, rubber squeegee, or AIRLESS spraying.
5. To increase adhesion of the next layer, the fresh uncured surface of TopStone EPO2 can be sprinkled with clean, dry quartz sand with a grain size of 0.1 – 0.5 mm (consumption approx. 0.5 – 4.0 kg/m²), or quartz sand can be added directly to the material during application (so-called scratch coat) and applied with a steel trowel – mix in a maximum ratio of TopStone EPO2:quartz sand 1 : 1.
6. Apply TopStone EPO2 at decreasing temperatures to prevent pore formation caused by air rising from the substrate. If necessary, the surface can be sealed by applying the primer in multiple layers.



TIPS FOR APPLICATION:

1. **Instructions for applying the so-called “scratch coat”:** Mix the already thoroughly mixed TopStone EP02 with clean, dry quartz sand, grain size 0.1 – 0.5 mm, in a ratio of 1 : 0,5 up to 1 : 1. (It is recommended to fill TopStone with powder up to 1 : 1 to reduce settling of the quartz sand in the mixed material before application.) Apply using a steel trowel.

Use: Level minor surface irregularities of the substrate with thicknesses of approx. 1–3 mm and a maximum slope of 1 %.

2. **Instructions for preparing a putty suitable for filling small pits and pores:** Mix the already thoroughly mixed TopStone EP02 with TopThix in a ratio of approximately 10 up to 15 : 1. Apply using a steel trowel or spatula. Vertical surfaces can also be filled.

Use: Filling cracks, filling small pits, sealing joints, filling vertical surfaces, small coves, bonding.

3. **TopStone EP02 can also be used for: filling, anchoring, bonding, injection, dust-proof coating in double-floor systems.**

TopStone EP02 should be applied immediately after mixing. If not applied promptly, re-mixing after 5–10 minutes may cause a sudden exothermic reaction, leading to rapid curing. Tools and skin contaminated with uncured material should be cleaned with TopStone Cleaner or acetone. Cured material must be removed mechanically using sandpaper, a grinder, or similar methods.

Storage:

At temperatures between $> +12^{\circ}\text{C}$ and $< +25^{\circ}\text{C}$, in a dry place, in the original packaging. Shelf life: see information on the packaging.

H statements, P statements:

Component A: H315, H317, H319, H411, P280, P302+P352, P305+P351+P338, P310, P333+P313, P362, P391, P501

Component B: H302, H312, H314, H317, H332, H411, H412, P264, P270, P271, P280, P301+P330+P331, P3020+P352, P303+P361+P353, P305+P351+P338, P312, P333+P313, P363, P391, P405, P501

Technical data:

Base	Epoxy
Component A	Colored liquid
Component B	Brownish liquid
Specific gravity (A+B)	1.25 kg/l
Consumption	approx. 0.3 – 0.5 kg/m ²
Reaction to fire	BfI S1
Adhesion to concrete	>1.5 MPa

Mixing ratio: A : B by weight 2.5 : 1, or according to the label on the packaging.

Safety:

Chemical composition: mixture of epoxy resin with a mulling hardening system. Transport classification: ADR Class A 9 and Class B 8. Further information: see the safety data sheet.

Firefighting measures:

Use dry sand, alcohol-resistant foam, CO₂, or water mist. DO NOT EXTINGUISH WITH WATER!

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