THE CREATOR OF CAST SURFACES

TopStone EP02

Special TopStone Adhesive and Priming Screed Material

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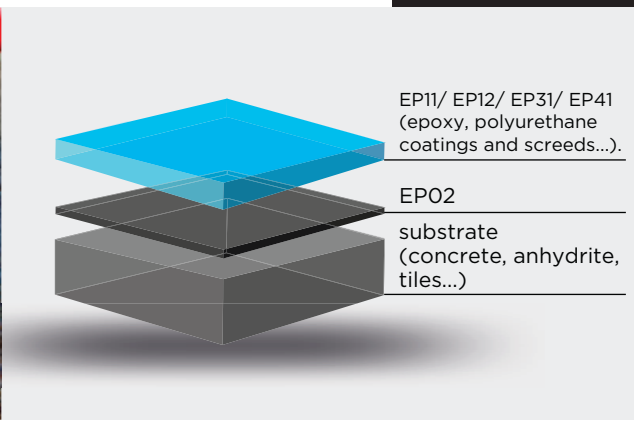

2-component basic epoxy primer suitable for dry and wet concrete mixes and other mineral substructures

EP 02

Functions

Priming, binding layer for perfect adhesion of the final TopStone layers to the substructure.

Possible use:

-primer for wet concrete mixes, primer for dry concrete mixes
-primer for cement screed, Morfico type, Fortemix etc.
-substructure reinforcement
-primer for cement screed, anhydrite
-primer for existing resin surfaces, metal, ceramic tiles
-binding layer between the old and new concrete / substructure reinforcement
- anti-dust coating in the double floor system / lamination
- binder for levelling layers, reprofiling layers, or polymercement
- can be used for sealing small potholes, sealing pores etc., when mixed with TopThix sealing of cracks (stapling)
-implementation of a cove shaped profile, cavettos at the wall and floor connections base slab (so called white tank) priming

Advantages:

- application on fresh concrete as early as the fifth day after concreting
- double strength within the first 48 hours compared to other available wet concrete primers - easy application, excellent mechanical properties,
-multi-purpose material, low viscosity, high adhesion
-TopStone pigment can be used for coloration

Curing acceleration:

		Non-sticky, finely grindable, paintable		Hard grindable	
	Accelerator -B component dosing	16°C	23°C	16°C	23°C
Thin coating	max. 10 %	6 hrs.	5 hrs.	8 hrs.	7 hrs.
Rough coating, reprofiling	max. 10 %	5 hrs.	3,5 hrs.	7 hrs.	6 hrs.
Polymer concrete approx. 1 cm	max. 10 %	3 hrs.	2,5 hrs.	6 hrs.	5 hrs.

Characteristics:

- epoxy, two-component, colorless, low-viscosity, solvent-free, nonylphenol-free, environmentally friendly

Processing data

Material pot life	40 minutes at 20 °C
Recommended temperature for laying	> +10 °C (+ 30 °C max.)
Walkability	approx. 20 hours at +20°C
Application of the subsequent layer	48 hours at the latest
Fully cured	7 days at +20°C
Maximum rel. humidity	80%
Dew point	Beware of condensation. The substrate and uncured coating must have a temperature of at least +3°C higher than the dew point. Low temperatures and high air humidity can lead to the formation of efflorescence (white spots).

TopStone EP02 can't come into direct contact with water or chemicals during application and curing. The substrate must not contain water-soluble substances such as salts, solvents etc. Do not use diesel burners, gas burners etc. for heating in the application site. They produce CO_2 in the application site, which has a negative influence on the surface quality.

Packaging and coverage:

The consumption of material listed here may vary depending on the specific conditions and application.

Retail packaging	5 kg appr. 17 m²
Retail packaging	30 kg appr. 100 m²
Wholesale packaging	560 kg appr. 1,867 m²

Instructions for Use:

1. Substrate preparation – remove any impurities, non-cohesive parts, smooth rough areas by, as required, grinding, milling,
2. blasting and subsequently vacuuming the surface, remove grease and other chemicals that can act as a separator.
   Equipment preparation: container for mixing the two components of the binder according to the instructions, stirrer, paint roller (velour, nylon with short bristles), brush, squeegee, steel trowel.
3. Thoroughly, mix the two A and B components of TopStone EP02 using a slow-turning stirrer for 3 minutes.
4. When ready, apply the material within 30 minutes at 20°C using the appropriate means, such as a paint roller, brush, squeegee, AIRLESS spray method, etc.
5. To increase the adhesion of another layer, dry and clean quartz sand of grain size 0.3 -0.5 millimeters (consumption of about 0.5-4.0 kg/m) can be sprinkled on a fresh, as yet uncured TopStone EP02 surface. Quartz sand can also be added directly into the material (so called reprofiling). Primer is applied using a steel trowel – mixed at the maximum rate for TopStone EP02:quartz sand 1:1.
6. Apply TopStone EP02 at a decreasing temperature to avoid pores being created by air bubbles in the substrate. If sealing the surface is necessary, the primer can be applied in several layers.

1. **Application instructions of the so called „profiling“:**

   Stir the already thoroughly mixed TOPSTONE EP02 with dry and clear quartz sand of fraction size 0.3 to 0.5 in the ratio of 1:0.5 to 1 (it is good to fill with TopStone flour to the ratio of 1:1 because of the lower subsidence of quartz sand in the mixed state prior to implementation). Application using a steel trowel.

   Use: leveling of minor roughness of the base for thicknesses of approx. 1-3 mm with a maximum slope of 1%.

2. **The instructions for creating a suitable putty for sealing small holes and pores:**

   Stir the already thoroughly mixed TopStone EP02 with TopThix in the ratio of about 10-15:1. Application using a steel trowel or spattle. Vertical surfaces can also be sealed.
   Application: sealing cracks, filling small potholes, sealing joints, sealing vertical surfaces, small cove shaped profiles, attaching
   Use: sealing cracks, filling small potholes, sealing joints, sealing vertical surfaces, small cove shaped profiles, attaching

3. **TOPSTONE EP02** can also be used as a sealant, anchoring, bonding, grouting, anti-dust coating for the double floor system

Apply TopStone EP02 to the surface immediately after mixing. Failure to do so will result in the risk that, during any remix (after more than 5-10 minutes), a sharp exothermic reaction will spontaneously occur = fast hardening. Make sure to clean all tools and skin of an uncured material with TopStone Cleaner or acetone, remove the cured material mechanically with sandpaper, grinder, etc.

Storage:

At temperatures > +12°C < +25°C, in a dry place in the original packaging. For warranty period see details on the packaging.

Technical data:

Base	epoxy
Comp. A	brownish liquid
Comp. B	brownish liquid
Specific weight A+B	1,1 kg/l
Consumption	appr. 0,3-0,5 kg/m ^{2}
Fire reaction	$B_{fl}S1$
Concrete adhesion	≥ 1,5 Mpa

Mixing ratio A:B by weight 1,7:1 or see the label on the packaging

Safety:

Chemical composition - a mixture of epoxy resins with a specially formulated curing system. Transportation classification - ADR comp. A 9 and comp. B 8. See the material safety data sheet for more information. Fire extinguishing TopStone EP02- dry sand, alcohol-resistive foam, CO2, water mist. DO NOT EXTINGUISH WITH WATER!!!

H Statements:

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

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PARTNER / SELLER:

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