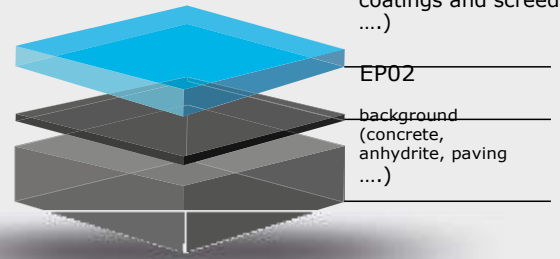




# TopStone EP02

special bonding and penetrating TopStone screed material



EP11/ EP12/ EP31/ EP41  
(epoxy, polyurethane  
coatings and screeds  
....)

EP02

background  
(concrete,  
anhydrite, paving  
....)

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

## Funtion:

Penetrating bonding layer for the ideal adhesion of TopStone finishes to the substrate

## Possibility to use:

- penetration of wet and wet concrete, penetration of dry concrete
- Penetration to Morfico, Fortemix and other cement screeds.
- reinforcement of the substrate
- penetration of cement screeds, anhydrides
- Penetration of existing resin surfaces, metals, ceramic tiles
- bonding layer between old and new concrete / reinforcement of the substrate
- anti-dust coating in double-floor / laminate system
- Binder for the realization of leveling "scratch" layers, reprofilation, polymermalt
- after blending with TopThix it is possible to bind small seals, thicken pores, etc ...
- sealing cracks (sewing)
- realization of the fluids, fabions in the floor / wall contact
- penetration of the base plates of the so-called white van

## Benefits:

- application on fresh concrete already on the fifth day after concreting
- Double strength in the first 48 hours compared to conventional penetration on wet concrete
- simple application, excellent mechanical properties, good penetration ability
- multipurpose material, low viscosity, high adhesion
- possibility of coloring of TopStone pigments

## Properties:

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

## Processing data:

<b>Material workability time</b>	30 minutes at 20 ° C
<b>Recommended laying temperature</b>	> 10°C (+30°C max.)
<b>At low temperature</b>	Slow cure
<b>At high temperature</b>	Rapid cure
<b>Applicability of the surface at 20 ° C</b>	Next layer within 24 hours. The surface is covered after 24 hours. Fully cured in 7 days.

During application and curing, TopStone EP02 must not come into direct contact with water and chemicals. In addition, the substrate must not contain water-soluble substances such as salts, solvents, etc. Do not use diesel burners, gas burners, etc. at the site of CO2 and water vapor production that have a negative effect on surface quality.

# EPO2

## Accelerating Cure:

	Akcelerátor	Not sticky, finely grindable, tittable		Hard, abrasive	
		16°C	23°C	16°C	23°C
Thin coating	max. 10%	6 h.	5 h.	8 h.	7 h.
Coarse coat, scratch	max. 10%	5 h.	3,5h.	7 h.	6 h.
Plastibeton cca 1cm	max. 10%	3 h.	2,5 hod.	6 h.	5 h.

## Packaging and Coverage:

These material consumption may vary according to specific conditions and specific applications.

<b>Retail packaging</b>	5 kg cca 17 m <sup>2</sup>
<b>Retail packaging</b>	30 kg cca 100 m <sup>2</sup>
<b>Wholesale packaging</b>	560kg cca 1867 m <sup>2</sup>

## Instructions for Use:

1. Preparation of the substrate - Removal of dirt, incoherent parts, roughening of the surface, grinding, milling, blasting and subsequent surface cleaning as needed, removal of grease and other chemicals, which can act as a separator.
2. Tool preparation: Mixing vessel of two binder components according to the instructions, agitator, paint roller (velor, nylon with short grain), paint brush, rubber spatula, steel trowel.
3. Thoroughly mix both A and B TopStone EP02 components using a slow mixer for 3 minutes.
4. Prepare the material so prepared within 30 minutes at 20 ° C by suitable technology, eg paint roller, brush, brush, rubber spatula, AIRLESS spraying, etc.
5. To increase the adhesion of the next layer, fresh Topstone EP02 surface can be sprinkled with dry and clean silica sand with a grain size of 0.3-0.5 mm (consumption of about 0.5-4.0 kg / m2) or even when added siliceous sand into a material (so called scratch) and apply penetration with a steel trowel - mix in the maximum ratio TopStone EP02: siliceous sand 1: 1.
6. Apply TopStone EP02 at a falling temperature to prevent pores from developing air in the substrate. If the surface closure is needed, the penetration can be applied in multiple layers.



1. Directions for application of soot: Mix thoroughly mixed TopStone EP02 with dry and clean silica sand fr. 0.3-0.5 in a ratio of 1: 0.5 to 1 (it is good to fill TopStone powder up to 1: 1 due to less sedimentation of siliceous sand in the mixed state prior to realization). Application with steel trowel.

**Application:** Compensation of minor unevenness of the substrate for thicknesses of about 1-3 mm with a maximum gradient of 1%

2. Instructions for creating a sealant suitable for the sealing of small seams and pores: Mix the TopStone EP02 thoroughly mixed with TopThix in a ratio of about 10 to 15: 1. Application with steel trowel or spatula. Vertical surfaces can also be wall-mounted.

**Application:** sealing of cracks, sealing of small seals, sealing joints, sealing of vertical surfaces, small rebates, gluing

3. TopStone EP02 can also be used as screed, anchoring, bonding, grouting, anti-dusting coating in a double floor system

TopStone EP02 is applied immediately after mixing. If this is not done, there is a risk of a spontaneous violent exothermic reaction (fast after 5-10 minutes). Tools and skin from uncured material should be cleaned using TopStone Cleaner or acetone, hardened material by mechanical - sanding, grinding, etc.

## Storage

At temperatures between 12 ° C and 25 ° C, in original packaging. Warranty period - see data on the packaging.

## Technická data:

Basic characteristics	Level
Compressive strength	67 Mpa
Tensile strength	38,2 MPa
Bending strength	38,2 MPa
Adhesion to concrete	2.97 MPa
Reaction to fire	Bfl <sub>s1</sub>
Imperviousness (dry - wet)	0,5) by ČSN 74 4505
Consumption	od 0,3 kg/m <sup>2</sup>
Specific gravity	1,02 kg/l

Mixing ratio A: B by weight 1.8: 1 or according to the label on the packaging.

### Safety

Chemicle - a mixture of epoxy resin with a quasi-formulated hardening system. Traffic classification - ADR sl. A 9 and sl. B 8. Further information is provided in the Safety Data Sheet. Method of extinguishing - dry sand, alcohol resistant foam, o not run water, CO<sub>2</sub>, water mist.

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ISO 9001, ISO 14001

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