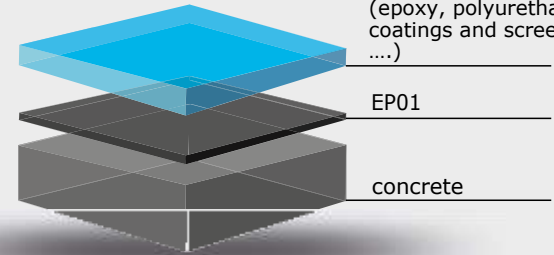




TopStone EP01

bonding and penetrating TopStone screed

05.04.2017 ver. 7



2-component epoxy primer penetration suitable for dry concrete with a moisture content of up to 4% and other mineral substrates

Function:

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

Possibility to use:

- Concrete penetration with a moisture content of up to 4%
- Penetration on dry cement screeds such as Morfico, Fortemix and the like.
- reinforcement of the substrate
- anti-dusting coating in a double floor system
- laminational binder for the manufacture of both manually and mechanically polished plasters
- Binder for the realization of leveling "scratch" layers, reprofilation, polymeral,
- After blanding with TopThix it is possible to bind small seals, seal pores etc.
- sealing cracks (sewing)realization of the fluids, fabions in the floor / wall Contact

EP01

Accelerating Cure:

	Akcelerátor	Not sticky, finely grindable, tiltable		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.
Plastbeton cca 1cm	max. 10 %	3 h.	2,5 hod.	6 h.	5 h.

Benefits:

- excellent mechanical properties
- good penetration ability
- multipurpose material
- Low viscosity
- high adhesion
- possibility of coloring of TopStone pigmentsProperties:

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

Processing data:

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

During application and curing, TopStone EP01 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.

Retail packaging	5 kg cca 17 m ²
Retail packaging	30 kg cca 100 m ²
Wholesale packaging	640kg cca 2133 m ²

Packaging and Coverage:

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

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 EP01 components using a slow-speed stirrer 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, it is possible to sprinkle the fresh, uncured TopStone EP01 surface 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 add silicate sand into a material (so called scratch) and apply penetration with a steel trowel - mix in the maximum ratio TopStone EP01: siliceous sand 1: 1.
6. Apply TopStone EP01 at a falling temperature to prevent pores from developing air in the substrate. If required, penetration can be applied in multiple layers.

Storage

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



1. Directions for application of soot: Mix thoroughly mixed TopStone EP01 with dry and pure quartz 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 silica sand in the mixed state prior to the 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 application of hand-polished plasterboard: Mix thoroughly mixed TopStone EP01 with dry, clean, folded silica sand (eg ISG A1) in a ratio of 1: 8. Application and smoothing of the surface with a stainless steel trowel without teeth. It can also be applied to the "lost" in the gradient. Pattern composition for leveling the substrate with hand-polished plastic concrete in a thickness of approx. 5 mm:
- TopStone EP01 penetration approx. 0.5 kg / m2
- plasticbetonTopStone EP01 approx. 1.1 kg / m2 + sand plasticbeton 8.8 kg / m2
- closure of plasticbetonTopStone EP01 ca 0.6 kg / m2 (followed by TopStone EP11 final surface etc., including penetration)

Usage: to compensate for greater unevenness of the substrate in smaller areas. Allows alignment of the substrate in the required gradient. Filling of pockets of object dilations. Entrance thresholds for object dilatations. Realization of fabions / turnouts. Suitable especially in highly mechanically stressed industrial halls, warehouses, garages,

2. Instructions for the application of machine-plastered concrete: Mix thoroughly mixed TopStone EP01 with a dry, clean, folded silica sand (eg sand plasticbeton) 1:10. Storage of the mixture by means of a dosing carriage. The mixture must be machined into the desired plane at the given processing time. If plasticbeton is not perfectly smooth and will then be closed by the final coating surface, it is possible to stretch the tensile stroke (caused by mechanical floor loads) in places with height unevenness.

Pattern composition for leveling the substrate with machine-coated plastic concrete in a thickness of approx. 5 mm:

- TopStone EP01 penetration approx. 0.5 kg / m2
- plasticbetonTopStone EP01 approx. 1.45 kg / m2 + sand plasticbeton 14, 5 kg / m2
- closure of TopStone EP01 plastic ... ca 0.6 kg / m2 (followed by final surface TopStone EP11 etc .. including penetration)

Usage: to compensate for greater unevenness of the substrate in larger areas. Filling of pockets of object dilations. Entrance thresholds for object dilatations. Realization of fabions / turnouts. Machine smoothing significantly increases compressive strength. Suitable especially in highly mechanically stressed industrial halls, warehouses, garages,

2. Instructions for creating a sealant suitable for small seals and pores: mix the TopStone EP01 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 EP01 can also be used as a filler, anchoring, bonding, grouting, anti-dusting coating in a double floor system

TopStone EP01 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.

Technical data

Table with 2 columns: basic characteristics and values. Includes rows for compressive strength (67 Mpa), tensile strength (38,2 MPa), bending strength (38,2 MPa), adhesion to concrete (2.97 MPa), reaction to fire (B,S1), anti-slip (meet >= 0,5), consumption (od 0,3 kg/m²), and specific weight (1,04 kg / l).

Mixing ratio A: B according to the weight of 2.2: 1 or according to the label on the packaging.

Safety: Chemical composition - A mixture of epoxy resin with a specially formulated hardening system. Traffic classification - ADR sl. A 9 and sl. B 8. Further information is provided in the Safety Data Sheet. Extinguishing agent - dry sand, alcohol resistant foam, CO2, water

mist. do not run water !!!

TOPSTONE s.r.o.
Družstevní 442, Hranice, 753
01 Česká republika
+420 580 582 580 | info@topstone.cz
stavebnichemie.topstone.cz
ISO 9001, ISO 14001

Slovenská republika
TOPSTONE Slovensko s.r.o.
prevádzka Vrbovská cesta
123 921 01 Piešťany
+421 918 459 563 | info@topstone-sk.sk
stavebnachemia.topstone-sk.sk

PARTNER / SELLER: