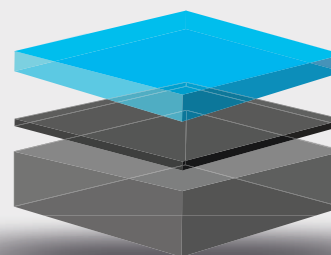




TopStone EP11

screed, coating, non-skid and screed material by TopStone

08.01.2020 ver. 7



EP11
(epoxy, polyurethane
coatings and
screeds...).

EP01, EP02
(And ECO options)

Substrate (concrete,
anhydrite, paving...)

2-component epoxy multipurpose material

Functions:

Surface color finish with perfect adherence to the TopStone primer.

Possible use:

- liquid smooth screed for warehouses, production halls, office buildings etc.
- smooth coating for use in areas with low mechanical stress, such as basements, utility rooms, garages etc.
- non-skid surface for garages, service stations, production halls, warehouses, etc.
- structured coating (if mixed with TopThix) for use in areas with low mechanical stress, such as basements, utility rooms, etc.
- two mixed RALs create so-called marble imitation, for use in areas which require design solutions, such as interiors, entrance halls

Advantages:

- simple laying
- excellent mechanical properties
- good chemical resistance
- multipurpose
- non-porous
- easy cleaning of finished surface
- glossy surface
- adjustable consumption
- can be filled with siliceous sand

Characteristics:

- epoxy, two-component, pigmented, solvent-free, nonylphenol-free, environmentally friendly

Workability data:

Material pot life	30 minutes at 20 °C
Recommended laying temperature	> 10°C (+30°C max.)
At low temperature	Slow curing
At high temperature	Fast curing
Surface usability at 20 °C	Another layer after about 24 hours. Walkable after 24 hours. Fully cured after 7 days.

Do not use diesel burners, gas burners etc. for heating in the application site. They produce CO₂ and water vapor in the application site, which has a negative influence on the surface quality. Epoxies aren't completely UV stable. In case of light shades, it is necessary to take into account higher consumption and consider colored priming.

Packaging and coverage:

TopStone EP11 can't come into direct contact with water or chemicals during application and curing.

Retail packaging	5 kg coating of approximately 10 m ² , screed 2.5-3.3 m ²
Wholesale packaging	25 kg - approx. 50 m ² of coating, 12.5-16.5 m ² of screed

Instructions for Use:

1. Apply the TopStone EP11 material (approx. 12-24 hours after the application of TopStone primer) on the cured TopStone Primer layer surface (EP01, EP02 od ECO options) using the technology described above.
2. Preparation of tools: a container for mixing the two components of the binder according to the instructions, stirrer, rubber squeegee, steel notched or flat trowel, aeration roller, nylon or velour roller.
3. Thoroughly mix the two A and B components of TopStone EP11 according to the mixing ratio on the label, using a slow-turning stirrer for 3 minutes, preferably put the mixture into another container and stir briefly.
4. When ready, apply the material within 30 minutes at 20 °C using the appropriate techniques, such as spreading with a roller or a notched or flat steel trowel.
5. Apply TopStone EP11 at increasing temperature, which reduces the risk of air humidity condensation on the surface of the material.

Storage:

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

EP11

CAUTION! Neither scrape out nor let drip the mixture from the package as there is a high risk of uncured areas.
CAUTION! Before applying the TopStone EP11 material, make sure the surface is completely primed, without bubbles, inflows and other defects. TopStone Filler, or new primer can be applied again, if necessary.

STONE'S ADVICE:



1. Cast screed application instructions: Apply approx. 1.2–3.5 kg/m² using a notched or flat trowel on a perfectly cured TopStone primer. The final step consists of removing the air from the screed, using a special spiked roller, so-called "Hedgehog".

Use: commercial premises, office buildings, airports, power plants, warehouses, areas with higher mechanical stress, forklift traffic, pallet trucks, etc...

2. Coating application instructions: Apply approx. 0.3–0.5 kg/m² using a velour roller (Note: for lower consumption of bright colors, it is recommended to use colored primer).

Use: basements, garages, utility rooms and areas with a lower mechanical stress

3. Instructions for implementing the non-skid surface: Apply using a steel trowel approx. 0.5–0.8 kg/m² on a prepared sand covered surface. Then roll the roller using criss-cross strokes.
Sample structure of the non-skid surface in the thickness of approx. 1.0–2.0 mm:
- TopStone primer approx. 0.6 kg/m²
- TopStone quartz sand with fraction size 0.4–0.8 mm ... 3.0 kg/m² (sweeping out the non-adhered sand, sanding)
- TopStone EP11 screed approx. 0.8 kg/m²

Use: garages, garage ramps, warehouses, production halls, and wherever a secure and durable surface is required.

4. Instructions for laying of the creative surface: (apply two colors with the consumption of 2–3 kg), apply the two mixed colors on a perfectly cured and primed TopStone surface using a flat steel trowel, and create a mixture of colors, choose the contrast between colors depending on the frequency of moves of the trowel, use either straight trowel strokes or arccurved trowel strokes.

Use: garages on a baseplate (so called white tank), production halls, warehouses etc.

Apply TopStone EP11 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 any uncured material with acetone, remove the cured material mechanically with sandpaper, grinder, etc.

H statements, P 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

Processing data:

Pot life	30 min
Compressive strength	55 MPa
Flexural strength	40 MPa
Specific weight	1.38 kg/l
Adhesion to concrete	2.97 MPa
Reaction to fire	BflS1
Slip resistance (dry - wet)	0.5) according to the ČSN 74 4505
Consumption	0.3–3.5 kg/m ² based on the absorbency of the substructure.

Mixing ratio A: B by weight 4.5:1 or see the label on the packaging.

Safety

Material safety data sheet for Chemical composition – a mixture of epoxy resin with a specially formulated curing system. Transportation classification - ADR comp. A 9 and comp. B 8. See the more information.

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PARTNER / SELLER:

