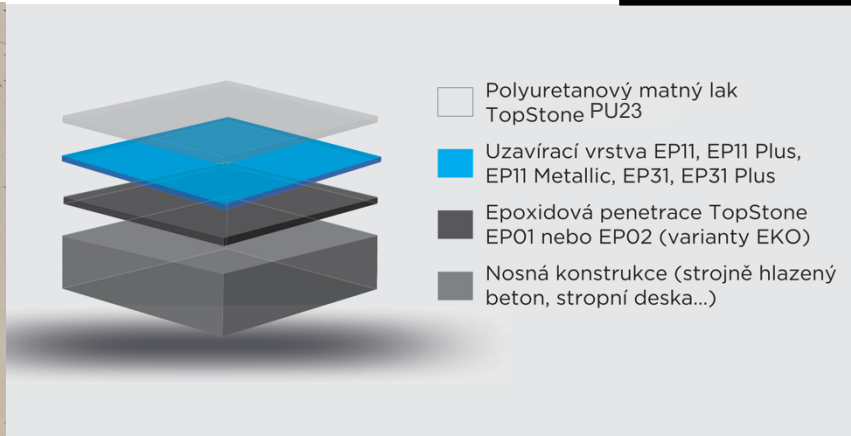




TopStone PU23

matte polyurethane coating



2-component matte transparent varnish based on water dilutable polyurethane resin

Functions:

Final matte finish with perfect adherence to selected TopStone surfaces.

Possible applications:

- tarnishing of TopStone EP11, EP11 Plus, EP11 Metallic, EP11 EKO epoxy screeds
- tarnishing of TopStone EP21, EP22, EP22 Plus epoxy coating
- tarnishing of TopStone EP31, EP31 Plus, EP31 EKO polyurethane-epoxy screed
- tarnishing of TopStone PU11 polyurethane screed
- suitable for residential and commercial use

Advantages:

- uniform matte surface
- high UV stability
- simple and easy processing
- good chemical resistance
- high abrasion resistance and scratch resistance
- good chemical resistance
- very easy to clean

Properties:

- polyurethane 2 component coating
- water-dilutable

Workability data:

Consumption per layer approx.	0,05 - 0,1kg	Min. relative air humidity	40%
Mixing ratio by weight	5,7:1	Max. relative air humidity	75%
Material workability time	cca 50min.	Dry, dust-free after	cca 90min.
Recommended temp. for application	20°C	Walkable after	cca 4hod.
Minimum air temperature	15°C	Paintable after	cca 4hod.
Minimum substrate temperature	10°C	Mechanical load after	approx. 3 days
Maximum air temperature	25°C	Chemical load after	approx. 3 days

Watch the dew point and protect against dewing.

The material can't come into direct contact with water or chemicals during application and curing. Do not use diesel burners, gas burners etc. for heating during application, since they have a negative effect on the surface quality. Ensure sufficient ventilation and proper temperature, and install a humidifier if necessary.

Caution: Air draughts can lead to surface optical defects such as colour and gloss differences.



Packaging and coverage:

2,5kg – approx. 25m² in two layers

5kg – approx. 50m² in two layers

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

Storage:

About 6 months when stored in a non-freezing space in the original packing.

Instructions for use:

1. The intended surface, cast floor must be fully cured into a tack-free state and walkable before further processing. Existing cast floor should be coated within 24 hours. After a longer period of time, to achieve optimal adhesion, lightly grind the substrate with a black PAD or abrasive grid (180 grit). Afterwards, thoroughly remove all dust. Before applying to an epoxy resin floor, it is necessary to first grind the surface with a black PAD or abrasive grid (180 grit).
2. Mix component A well. Add component B according to the mixing ratio and mix immediately with an electric stirrer for at least 2 minutes (approx. 300 - 400 rpm). Then pour into a clean container.
3. The coating is always applied in two layers. At the edges, the coating needs to be applied with a brush (only in small increments to prevent the edges from drying) and immediately refinished with a 10 cm wide nylon roller (14 mm hair). The material is applied with a well-soaked 25 cm wide nylon (14 mm hair) roller evenly and thinly in a layer (50 - 100 g/m²) over the entire surface. Within 10 minutes, the surface is rolled using a 50 cm wide nylon roller (14 mm hair), slightly dipped in the material, in one direction without pressure.
4. Replace the nylon roller regularly, always use a new roller when work is interrupted. The second layer is applied after 4-24 hours in the same way as the first layer.
5. Don't leave open containers unnecessarily exposed to air to avoid reaction of the material. Process open containers as quickly as possible. Don't keep remaining material from the containers for future use. Use the same batch numbers for the designated surface.

Sample structure:

- TopStone EP01/02 primer or EKO variations.....approx. 0,5kg/m²
- TopStone EP11 screed in RAL shade.....approx. 2,0kg/m²
- TopStone PU23 matte coating.....approx. 0,1kg/m²

For long-term protection against wear and tear of the coatings, W-type wheels should be used on mobile chairs. We also recommend to use a transparent polycarbonate protective pad. The sliding load can lead to scratching of the cover coating. We therefore recommend to establish appropriate cleaning zones to prevent the ingress of sand and dirt into the area

WARNING! Beware of chemical reaction after curing / contact with foreign substance / object e.g. carpets with rubber backing, tyres, etc. Different colouring may occur.

H Statements:

Component A – H301, H302, H310+H330, H314, H315, H317, H318, H319, H400, H410

Component B – H317, H319, H332, H335, H412

P Statements:

Component B – P101, P102, P271, P280, P405, P510

Technical data:

Specific weight	1,05kg/l
Frost resistance	no
Dry matter	35%
Viscosity (23°C)	approx. 300 mPa.s

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