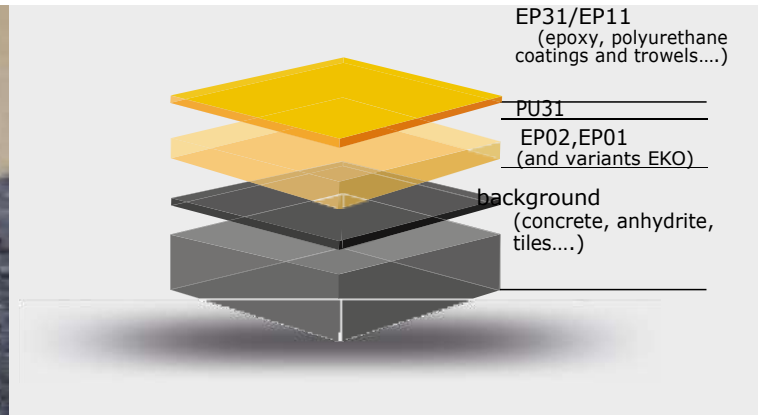




TopStone PU31

waterproofing of the substrate, waterproofing membrane



PU31 is a TopStone system, such as the TopStone Parking System and so on.

Function:

A waterproofing material that protects moisture from leakage or other substances into the substrate

Possibilities of use:

- Exterior insulation - parking roofs, ramps, balconies, terraces, outdoor stairs, loggia
- Insulation in the interior - ramps, parking houses, showers, bathrooms, kitchens, garages,

Benefits:

- high ductility, ability to bridge cracks in the substrate
- fast application
- resistance to higher temperatures, chemicals and petroleum substances
- all-surface adhesion without additional anchoring
- simple and fast repair of local damage
- frost resistance

Properties:

- three-component, polyurethane-based waterproofing membrane, solvent-free.

PU31

Processing data:

| | |
|--|--|
| Material workability time | 30 minutes at an outdoor temperature of 20 ° C |
| Recommended laying temperature | > 10°C (≤ + 30°C) |
| At low temperature | Slow cure |
| At high temperature | Rapid cure |
| Applicability of the surface at 20 ° C | Another layer within 24 hours The surface is 24 hours long |

Do not use PU31 insulation on surfaces where vapor pressure may occur. Inadequate closure of surface porosity may result in surface defects. At high temperature and high load, the imprint on the floor can not be excluded. Do not use diesel burners, gas burners, etc. at the place of CO₂ and water vapor production that have a negative effect on the surface quality for space heating. During application and curing, PU31 must not come into contact with water or chemicals. Apply waterproofing only to cured penetration EP02, EP01 and EKO variant (realization according to material sheet EP02, EP01 and EKO variant). The relative humidity shall not exceed 75%.

Packaging and yield:

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

| | | |
|---------------------|-------|--------------------------|
| Retail packaging | 5 kg | approx. 6 m ² |
| Wholesale packaging | 25 kg | app 30 m ² |

Storage:

At temperatures > + 12 ° C <+ 25 ° C, dry, in original packaging. See warranty period. data on the packaging.



Instructions for Use:

1. Preparing the substrate - Removal of dirt and incoherent parts etc., cleaning the surface with pressure water, brush, vacuum cleaner, etc., in the case of necessary water drainage (eg balcony), the slope must be set at 1,5-2,5%.
2. Attachment of drainage systems and any other elements of the drainage system; TopStone Filler can be used; Large object dilations and dilation of other surfaces are solved by admitting surface dilation in the surface.
3. Penetration by EP01, EP02 and EP EKO (for EP01, EP02 and EP EKO) for overall reinforcement, better cohesion and adhesion of the system to the substrate.
4. Dilatation of surfaces (outside the object) - the dilatation joints in the substrate are bridged with flexible self-adhesive waterproofing bandage before applying PU31. Application PU31 - after 24 hours of penetration, a polyurethane membrane can be applied. It is not necessary to grind in the realization within 3 days, after 3 days, it is necessary to grind the penetration gently or the penetration must be sanded with silica sand.
5. Preparation of PU31 - thorough mixing of both components A and B using a slow-speed stirrer (300-400 rpm) in a given ratio (time 3 minutes). Add component C to the mixture of components A and B (slow-speed stirrer). When mixing, care should be taken to avoid mixing the air unnecessarily and, after the first mixing, pour the material into another container and repeat the mixing. The prepared material using a toothed spatula and then roll the aeration roller.
6. Application of other TopStone EP11 final coats, etc.

Application only on SUIT! It is recommended to apply the mass at a rising temperature (eliminating the possible condensation of air humidity on the surface of the mass). PU31 is immediately applied to the surface after mixing. If this is not done, there is a risk of a spontaneous violent exothermic reaction when re-mixing (longer than 5-10 minutes)! Tools and skin from the uncured material should be cleaned with TopStone Cleaner or acetone, cured by mechanical means - sanding, sanding, etc. When laying TopStone after more than 3 days of application PU31, the insulation must be finely ground.



DANGEROUS FOR THE ENVIRONMENT

| TOPSTONE s.r.o. | |
|-----------------------------------|-------------------|
| Družstevní 2169 753 01 Hranice CZ | |
| 13 | |
| EN 13813 | |
| SR-BrSi - AR0,5 - B2,2 - IR4 | |
| Reakce na oheň: | B ₂ S1 |
| Uvolňování korozivních látek: | NPD |
| Propustnost vody: | NPD |
| Odolnost proti obrusu: | AR0,5 |
| Průhlednost: | B2,2 |
| Odolnost proti rázu: | >IR4 |
| Zvuková izolace: | NPD |
| Zvuková pohltivost: | NPD |
| Teplý odraz: | NPD |
| Odolnost proti chemickému vlivu: | NPD |
| NPD - nedeklarováno | |

Technical data:

| | |
|-----------------------------------|--|
| Stretching after 7 days at 20 ° C | > 600 % |
| Color | grey |
| Consumption | approx. 0.8 - 1.5 kg / m ² depending on the substrate |
| Reaction to fire | Bfl - S1 |

The material is not UV stable.

Mixing ratio A: B: C according to the weight of 3.56: 0.61: 0.83 or according to the label on the packaging.

Safety

Chemical composition - mixture of isocyanate prepolymer, additives with specially formulated hardening system; Traffic classification - ADR sl. And without classification, ADR sl. B 9 and sl. C without classification. Further information is provided in the Safety Data Sheet. Extinguishing agent - dry sand, alcohol resistant foam, CO₂, water mist. DO NOT WATER

The information and data contained in this document have been compiled on the basis of our best knowledge and experience. When using our products according to our recommended practices on the materials for which these products are intended, no damage or damage can occur. However, the material, application technology and operating and operating conditions are beyond our control, and therefore our recommendations are generally valid and can not be used as the basis of liability.

TOPSTONE s.r.o.
Družstevní 442, Hranice, 753
01 Czech Republic
+420 580 582 580 | info@topstone.cz
stavebnichemie.topstone.cz

ISO 9001, ISO 14001

Slovak Republic

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: