



TopPur is a supplementary material for the TopStone® system.

05.05.2017 verze 11

Functions:

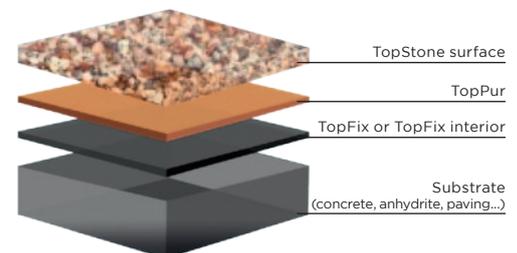
Waterproofing material protecting against the ingress of moisture or other substances into the substructure before laying the TopStone® system.

Possible applications:

- exterior waterproofing – balconies, terraces, outdoor stairs, loggias
- interior waterproofing – showers, bathrooms, kitchens, garages, anhydrite floors

Advantages:

- tensibility up to 600%, bridging of static cracks in the substructure at -10°C (up to 2mm) and dynamic cracks up to 0.5 mm.
- fast application
- resistance to root penetration
- resistance to high temperatures, chemicals and oil products
- Full-area adhesion without any other additional anchoring - easy and fast repair of local damages
- salt and chemical resistance



Characteristics:

- three-component, polyurethane-based material creating a waterproofing membrane, solvent-free

Workability data of PolyStone binder including the fillers (aggregate):

Don't use TopPur on the surface, where vapor tension is possible. Insufficient closure of substrate porosity may lead to surface defects. Floor indentation can't be ruled out in case of high temperatures and heavy load. 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. During application and curing, TopPur can't come into contact with water or chemicals. Apply waterproofing only to cured TopFix priming (implementation according to the TopFix material list). Relative humidity must not exceed 75%.

Material pot life	30 minutes at outdoor temp of 20°C
Recommended temperature for laying	> 10°C (≤ + 30°C)
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

Packaging and coverage:

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

Retail packaging	2.5kg	approx. 2.5 m ²
Retail packaging	5kg	approx. 5 m ²
Wholesale packaging	30kg	approx. 30 m ²

Storage:

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

Instructions for Use:

1. Substrate Preparation - remove all incoherent parts, clean the surface with high-pressure water, brush, vacuum cleaner, etc.; if water drainage is necessary (e.g. for balcony), make sure to create grade in accordance with standards from 1.5% to 2.5%.
2. Metal drips and any other metal components can be attached with TopFiller; large object dilatation and other area dilatation is solved by system dilatation.
3. TopFix priming material - (application in accordance with the TopFix material sheet) for complex reinforcement, improved cohesion and adhesion of the system to the substrate.
4. Surface dilation - expansion joints in the substrate are covered with flexible waterproof adhesive bandage strips before the application. TopPur application - polyurethane membrane can be applied 24 hours after the application of primer. There is no need to grind the surface in case of application within 3 days; application after 3 days requires the primer to be finely grinded.
5. TopPur preparation - thorough mixing of the A and B components using a slow-turning mixer (300-400 rpm.) at the given ratio (mixing time: 3 minutes). Addition of C component to the mixture of A and B components (slow-turning mixer). Make sure to avoid extra air in the material when mixing, and put the material into another container after mixing and then mix it again. Process the prepared material using a notched trowel and then use an aeration roller (TopStone® surface can be applied 24 hours after TopPur).

Apply on DRY surface only! We recommend to apply at increasing temperature (due to the elimination of possible condensed air humidity on the surface of the material). Apply **TopPur** 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! Clean tools and skin of any uncured material with acetone; cured material can be cleaned mechanically – sandpaper, grinding, etc.

Specifications:

Dilatation after 7 days at 20 °C	> 600%
Color	yellow-beige
Consumption	1-1.5 kg/m ² depending on the surface B _{FL} - S1
Reaction to fire	6.5 N.mm ⁻² (marble with fraction 4-7mm)
Crack-bridging	high tensibility up to 600%, bridging of static cracks in the substructure at -10°C (up to 2mm) and dynamic cracks up to 0.5mm.

Mixing ratio A:B:C - 3.56:0.61:0.83, or see the label on the packaging; safety chemical composition - mixture of isocyanate prepolymer and additives with specially formulated curing system; Transport classification - ADR A component - without classification; B component 9; C component - without classification. Additional information is contained in the material safety data sheet; Fire extinguishing methods - dry sand, alcohol-resistive foam, CO₂, water mist. DO NOT USE WATER!!!

A. Component - inflammable liquid (class IV), harmful, dangerous to the environment

H statements: H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H330: Fatal if inhaled. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer. H412: Harmful to aquatic life with long-lasting effects.
P statements: P280: Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P342 + P311: If experiencing respiratory symptoms: Immediately call a POISON INFORMATION CENTER or doctor/physician.



DANGER

C. Component

H statements: H372: Causes damage to lungs through prolonged or repeated exposure.
P statements: P260: Do not inhale dust. P285: Use protective equipment. P501: Contains dust as per the regulation - avoid dust formation.



WARNING

A. Component - Component - inflammable liquid (class III), harmful, corrosive

H statements: H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H336: May cause drowsiness or dizziness. H351: Suspected of causing cancer. H400: Very toxic to aquatic life. H410: Toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long-lasting effects.
P statements: P102: Keep out of reach of children. P233: Keep container tightly closed. P240: Use explosion-proof electrical/ventilating/lighting equipment. P424: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing mist/vapours. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor if you feel unwell. P331: DO NOT INDUCE VOMITING. P332 + P313: If skin irritation occurs: Get medical advice/attention. P333 + P313: If skin irritation or a rash occurs: Get medical advice/attention. P370 + P378: In case of fire: Use water mist, foam, powder or carbon dioxide (CO₂) to extinguish the fire. P391: Collect spillage. P403 + P235: Store in a well ventilated place. Keep cool. P405: Store locked up. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.



DANGER

CE	TOPSTONE s.r.o.
	Družstevní 442, 753 01 Hranice CZ 13 EN 13813 SR-B _{FL} -S1 - ARO.5 - B2.2 - IR4
Reaction to fire	B _{FL} -S1
Release of corrosive substances:	NPD
Water permeability:	NPD
Abrasion resistance:	ARO.5
Adhesion:	B2.2
Impact resistance:	>IR4
Soundproofing:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD
NPD - not declared	

The information contained in this document was assembled based on our best experience and knowledge. When using our products according to our recommended procedures listed on the materials for which these products are intended, there should be no harm or damage caused. The material, application techniques, and working and operating conditions are, however, outside our control and therefore our recommendations are only generally valid and cannot be used as the basis for liability.

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

ISO 9001, ISO 14001

Slovakia
TOPSTONE Slovensko s.r.o.
Plant in Vrbovská cesta 123
921 01 Piešťany
+421 918 459 563 | info@topstone-sk.sk

www.topstone-sk.sk

Partner / Dealer: