

Two-component polyurethane binder with excellent UV stability.



Features:

Binder used for creating the TopStone surface based on the mixture of the binder with various types of aggregates offered by TOPSTONE s.r.o. company.

Advantages:

- excellent UV stability - the binder shows resistance to weather, yellowing and degradation,
- outdoor and indoor use,
- can be used for both TopStone marble and river stones.

Characteristics:

- two-component binder,
- optimized viscosity - ensures a sufficient layer of binder on the aggregate even at higher temperatures, the binder doesn't run down, low in solvents,
- suitable for less stressed areas, ie. sidewalks, terraces, surfaces around pools
- the material is flexible throughout its lifetime, it is not suitable for extreme point loads (e.g. narrow legs of chairs and garden furniture)

Slip resistance of the surface can be increased by applying the TopStop microfiller into the uncured surface, or later according to the TopStop material sheet.

WARNING! Aggregate moisture significantly speeds up the curing process, therefore it is necessary to work with dried aggregate. Apply on cured primer!

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

Pot life (relative air humidity approx. 50%)	At 10 °C	45 min
	At 20 °C	30 min
	At 30 °C	20 min
The surface of the material is not light load (relative air humidity approx. 50%)	At 10 °C	18 hrs
	At 20 °C	12 hrs
	At 30 °C	8 hrs
The material is fully walkable (relative air humidity approx. 50%)	At 10 °C	48 hrs
	At 20 °C	24 hrs
	At 30 °C	18 hrs
The material is fully load-bearing (relative air humidity approx. 50%)	At 10 °C	6 days
	At 20 °C	4 days
	At 30 °C	2 days

Weight ratio of binder components A:B 1,6:1.

The weight mixing ratio of binder and aggregate is 1:20, ie. 1.25 kg per 25 kg (packaging) of aggregate.

PurStone can't come into the direct contact with water or chemicals during application and curing (do not apply in the rain). The substrate must not contain water-soluble substances such as salts, solvents etc. PurStone must not be applied at ambient and substrate temperatures below +10 °C and above +30 °C.

Storage:

At temperatures > +10 °C < +30 °C, in a dry place in the original packaging. For warranty period see details on the packaging.

A Component: Use within one week after opening the package. Do not leave open!

B Component: Use within one week after opening the package. Do not leave open. Reacts with air humidity.

APPLICATION PROCEDURE

1. Substrate characteristics: The surface must not be wet, and must be free from chemical contamination.
2. Substrate preparation: Grinding, sweeping, vacuuming of incoherent parts.
3. Substrate priming: The surface must be primed with TopFix or TopFix Rapid – primer consumption is based on the surface condition. To increase the interlayer adhesion, it is possible to cover the primer with sand, fraction size 0.4-0.8 mm. After curing, remove excess sand using a vacuum cleaner or grind the surface gently.
4. Stone carpet application: The stone carpet must then be applied onto the cured primer, no later than 48 hours after curing. The binder must be processed within its pot life. If the B component container remains open for a long time, it will harden. After thorough mixing of A and B components in the correct weight ratio using a slow-speed stirrer (stirring spiral) for at least 3 minutes (for Twinpack packages, mix the ingredients according to the instructions on the packaging), pour the mixture into a clean container with aggregate and mix thoroughly at low speeds (about 300 rpm) for at least 3 minutes, until the whole aggregate surface is covered with binder. The aggregate used must be dry (moisture below 1 % by weight). During surface formation, the trowel can be cleaned with S6006 thinner.
5. Curing: The surface must not come into contact with moisture, water or chemicals during application and curing.

See processing data for curing time.

Surfaces that require increased slip resistance (sloping surfaces, stairs, permanently wet areas etc.) must be provided with the TopStop anti-slip treatment (nonskid filler).

Packaging:

Retail packaging	1,25 kg twinpack
Wholesale packaging	30 kg

Technical and processing data:

Mixing ratio	A:B by weight 1,6:1 or according to the label on the packaging.
Pot life	30 min. at 20 °C
Full load capacity	4 days at 20 °C
Density	1,09 Kg/m ³
Viscosity	approx. 3500 mPa.s (at 25°C)
Adhesion to concrete	at least 1,5 Mpa
Abrasion resistance BCA max. 50 qm	65N/mm

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.

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