



TOPWALL

Epoxy binder for wall system application

12.06.2024 | VERSION 1

ADVANTAGES

- 2 in 1 (penetration is part of the binder)
- Application on vertical surfaces without the need for formwork
- High water and mechanical resistance
- Application to unlimited heights

SPECIFICATIONS

Possibility of use:

Can be used on various types of substrates on vertical surfaces.
Use in exterior and interior (stairs, walls, plinths, walls, column repairs ...).
Can be applied with the following stone fractions 2-4, 2-5, 2-8, 4-7 and 4-8 mm.
In the interior, the possibility of closing the structure with TopGel.

Restrictions:

Designed for dry aggregates.
The binder is recommended for river aggregates in exterior applications, not for marble aggregates.

Packaging:

Retail 2.6 kg, this quantity is for 1 pack of aggregate.
Wholesale 26 kg, this quantity is for 10 packages of aggregate.

Storage:

24 months from the date of manufacture at temperatures above +12 °C to +25 °C, in the original packaging in a shaded place.

APPLICATION PART

Preparing the substrate:

The substrate must be clean, dry, firm and load-bearing (compressive strength min. 20 MPa). The substrate must be free of dust, dirt, loose parts, old paint and grease/oil stains. Sand and vacuum the surface before application.

The substrate must be primed with the binder itself and the aggregate and binder applied to the 'live' primer.

Application procedure of stone carpet:

We recommend applying the wall system in stages. The binder and aggregate should preferably be divided into quarters. We do this due to the application being more complicated than applying stone carpet on horizontal surfaces.

Example of dividing the binder and aggregate into quarters:

$2.6 / 4 = 650$ g of binder (431 g of component A and 219 g of component B), of which 125 g is used to penetrate the substrate and the remaining 525 g of binder is mixed with 6.25 kg of aggregate.

$25 / 4 = 6,25$ kg aggregate

First, weigh out component A (431 g) and component B (219 g) into the prepared clean bucket. Thoroughly mix component A with component B, for at least 2-3 minutes. From the mixture thus prepared, remove 125 g of the bonding agent for priming the substrate. Apply the penetration with a brush, roller, metal trowel or rubber squeegee. Mix the remaining 525 g of binder with the pre-weighed aggregate (6,25 kg). Mix the binder and aggregate mixture thoroughly for at least 2-3 minutes (all pebbles must be coated with binder). The prepared binder-aggregate mixture is applied with a stainless steel trowel to the vertical surface, which is covered with a primer layer. The trowel must be pressed to ensure that the mixture adheres well to the vertical surface.

Wipe the trowel with acetone during laying.

Apply the mixture from the bottom edge upwards. Pull the final coating from the top edge downwards to ensure that the stones are properly bonded.

Attention:

TopWall must not come into direct contact with water and chemicals during application and curing. Do not use CO₂ and water vapour producing torches during application. Pay attention to the dew point, the air and substrate temperature must be at least +3 °C above the dew point.

Safety:

See safety data sheets Top Wall Component A, Component B

PROCESSING DATA	
Mixing ratio A : B	2:1
Consumption	13.8 kg/m ² for 2-4 mm pebbles, layer thickness 8 mm 17.3 kg/m ² for pebble 4-7 mm, layer thickness 10 mm 12.5 kg/m ² for pebble 2-5 mm, layer thickness 8 mm 15.7 kg/m ² for pebble 2-4 mm, layer thickness 10 mm
Processability	30 minutes at +20 °C
Full loadability	7 days at +20 °C
Adhesion to concrete	≥ 0,3 MPa
Walkability	20 hours at +20 °C
Application temperature	+10 °C to +25 °C

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PARTNER / DEALER:

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