

## PRODUCT TECHNICAL DATA SHEET

# EPOXY STONE

## Epoxy binder for stone carpets

### Product Description

Solvent-free, two-component epoxy binder for stone carpets, especially for river aggregates, granite, etc.

### Application Suitability

The product is suitable for:

- ✓ River aggregate binding
- ✓ Revitalizing coating of stone carpets
- ✓ Priming
- ✓ Grouting, plastic concrete

### Technical Specifications

<b>Pot life</b>	(20 °C)	40 min	
<b>Walk-on-dry</b>	(20 °C)	20 h	
<b>Cured for service</b>	(20 °C)	7 days	
<b>Density A+B</b>	(20 °C)	1.1 kg/l ± 5%	EN ISO 2811-1
<b>Reaction to fire</b>		E <sub>n</sub> – S1	
<b>Bond strength</b>		1.5 MPa	ISO 4624
<b>Mixture colour</b>		yellowish liquid	
<b>Hardness (Shore D)</b>	(23 °C)	approx. 65	DIN 53 505
<b>Mixing ratio</b>		A:B = 1.75:1 (by weight)	
<b>Coverage</b>		1.25 kg/25 kg of aggregate	

## Application

### Substrate Preparation

Remove incoherent parts and dirt from the substrate, for example by grinding, milling or blasting and then thoroughly vacuuming the surface. It is also important to remove grease or old paint, which can cause separation. Remove cement scum from new concrete. It is recommended to perform pull-off testing on old and damaged concrete.

**Temperature of the substrate, environment and material:** +5 °C min / +30 °C max (max relative humidity 80%)

The optimum temperature for application is about 20 °C; higher temperatures speed up the curing time, lower temperatures slow down the process. Pay attention to moisture condensation on the surface of the uncured material – the substrate must have a temperature 3 °C higher than the dew point.

## Application Instructions

- ✓ Tools – container, stirrer, scale, steel trowel
- ✓ Mix components A and B with a stirrer according to the ratio – it is recommended to mix at a lower speed to prevent bubbles – approx. 2 minutes, then pour in filler (pebbles) in a ratio of 1.25 kg (binder) : 25 kg (filler)
- ✓ Apply immediately with the appropriate tools to the prepared surface (primed with EPOXY Primer) within a maximum of 30 minutes at 20 °C
- ✓ Keep the trowel clean, for example with thinner S6006, and smooth the surface thoroughly to prevent stones from sticking out

### Application Types:

- ✓ To achieve anti-slip on stairs, it is recommended to apply Anti-slip compound immediately after application (uncured binder)
- ✓ Use dry aggregate
- ✓ Avoid application at high temperatures – risk of binder heating and colour variation

## Tool Cleaning and Environmental Protection

Clean tools immediately after application with acetone or thinner 6006. The cured material can only be removed mechanically. Avoid contamination of the environment.

## Packaging and Storage

**Packaging:** plastic bottles A+B – 1.25 kg  
plastic containers A+B – 30 kg

**Storage:** +5 °C to +30 °C

**Shelf life:** 24 months in original, unopened and undamaged packaging from date of manufacture

## Safety Regulations and Protective Measures

Safety instructions and applicable OSH regulations of the relevant authorities must be observed when handling. Use protective clothing, goggles and gloves during application. Detailed information on hygiene, occupational safety and environmental protection is provided in the Safety Data Sheet.

## Legal Notice

The information, especially the handling and application instructions for our products, is based on our knowledge of the development and application of chemical products and our many years of application experience under standardized conditions and proper storage and use. In view of the different preparation conditions, external influences of varying nature and the characteristics of the substrates, following the above information or other written or oral recommendations may not always guarantee a satisfactory work result. The client/contractor must test the products to ensure that they are suitable for the intended application.