

## 2K-Epoxy Beton-Beschichtung

4033

2C coating for cement-bound floors, for use in DIY and trade

### PRODUCT DESCRIPTION

#### General

Water-based, solvent-free, opaque protective coating for cement-bound floor and wall surfaces, formulated with epoxy resin polyamide, for indoor use. Stand-out features of this product include extremely good resistance to abrasion, very good cleanability, very good resistance to fuels, mineral oils, aqueous salt solutions (de-icing salts), heating oil and alkaline solutions. Tyre-resistant. Resistant to acids to a certain degree. System-related colour changes and chalking may occur in response to UV radiation and the effects of weathering.

#### Special properties and standards



- Resistant to heating oil



- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

#### Application area



Cement-bound floor and wall surfaces in interior areas, e.g. storage rooms, cellars, garages and laundry rooms in private settings.

### PROCESSING

#### Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 °C.
- The optimal conditions for use are between 15-25 °C with a relative atmospheric humidity between 40-80 %.
- The temperature of the substrate (surface temperature of the floor to be coated) must be at least 3 °C above the dew point temperature during both coating and drying. If these conditions are not complied with, it may result in floating-out effects (uneven pigment distribution) and variations in the degree of gloss in the coating.
- Do not close containers with hardened material.
- To create an anti-slip coating, sprinkle quartz sand with grit size of 0.3 – 0.8 mm into the wet primer. After allowing to dry for approx. 6 hours, any excess quartz sand that has not been fixed should be swept up or

vacuumed away. The 1 – 2 xsurface should then be sealed with 2K-Epoxy Beton-Beschichtung (4033).

- Use the right painting and rolling tools for water-based paints.
- Carefully cover and mask areas which are not to be coated.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.

### Blending ratio



2 Part(s) by weight 2K-Epoxy Beton-Beschichtung (4033)  
1 Part(s) by weight Betonbeschichtung Hardener8447 (8447000210)

2K-Epoxy Beton-Beschichtung (4033) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Betonbeschichtung Hardener8447 (8447000210) must be carefully worked into the product by stirring before processing. We then recommend waiting approx. 5 minutes for improved de-aerating.

### Pot life



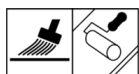
2 hour(s) (with a room temperature of 20 °C)

1 hour(s) (with a room temperature of 30 °C)

There is no recognizable end of the pot life.

The product should not be used at temperatures above 30 °C as this can result in severe shortening of the pot life and consequently to issues with flow and film formation.

### Application technique



	Brushing	Rolling
Applied quantity per application (g/m²)	250 - 300	

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

### Drying times

(at 23 °C and 50 % rel. humidity)



Recoatable	after approx. 6 h
Can be walked on	after approx. 12 hour(s)
Can be driven over Maximum film properties	after approx. 10 - 12 day(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Ensure adequate ventilation while the product is being applied and during drying, otherwise there may be reaction issues and variations in the degree of gloss.

It is also important to avoid a low level of air exchange, low temperatures and/or high humidity.

Avoid direct sunlight!

### Cleaning the working equipment



With soap-water immediately after use.

To remove dried product residues we recommend using Abbeizer Express (8313).

SUBSTRATE	
Type of substrate	Cement-bound substrates that are suitable for coating.
Substrate property	<p>The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, etc. and free from dust, as well as tested for suitability for coating.</p> <p>A sufficiently cured substrate is a prerequisite (surface tensile strength: mean value 1.5 N/mm<sup>2</sup>, lowest individual value 1.0 N/mm<sup>2</sup>).</p> <p>If this is not the case, the surface will need to be pre-treated by milling or shot blasting.</p> <p>It is important to reach the equilibrium moisture content of the substrate to be coated.</p> <p>Construction components that are at ground level must be securely protected against rear-side moisture penetration by taking the required construction measures (sealing).</p> <p>Please observe the additional documents:</p> <ul style="list-style-type: none"> <li>• ÖNORM B 3430-1</li> <li>• ÖNORM B 2230-1</li> </ul>
Substrate preparation	<p>Greasy or oily marks should be completely removed, especially smooth screed (sintered layer) should be roughened up so that sufficient adhesion can be ensured.</p> <p>Remove old coatings that cannot be recoated.</p> <p>Floors that are subject to vehicular use will in all cases need to be sanded down (single-disc machine with diamond sanding plate or sanding stone, grit size 16) in order to achieve sufficient adhesion).</p> <p>Recoating existing coatings is not recommended without mechanical removal of the old coating. The prepared surfaces should then be thoroughly cleaned to remove any dust.</p>
COATING SYSTEM	
Primer coat	<p>For substrates that are not very absorbent:</p> <p>1 x 2K-Epoxy Beton-Beschichtung (4033) thinned with 20% water</p> <p>For strongly absorbent substrates:</p> <p>1 x 2K-Beton-Primer (4041)</p>
Primer/intermediate coat	1 x 2K-Epoxy Beton-Beschichtung (4033)
Finishing coat	1 x 2K-Epoxy Beton-Beschichtung (4033)
ORDERING INFORMATION	
Size of trading unit	1 kg, 4,5 kg, 12 kg (only with 4033077882)
Colour shades / Glosslevels	<p><b>Standard colour(s):</b></p> <p>Kieselgrau (4033077882)</p> <p>Graubeige (4033077881)</p> <p>Betongrau (4033077880)</p>
Supplementary products	<p>2K-Beton-Primer (4041)</p> <p>Abbeizer Express (8313)</p> <p>Betonbeschichtung Hardener8447 (8447)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

## FURTHER DETAILS

### Durability / storage



Min. 3 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

### Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for 2K-Epoxy Beton-Beschichtung (Cat A/j): 140 g/l.  
2K-Epoxy Beton-Beschichtung contains a maximum of 10 g/l VOC.

### Giscode

RE10

### Declaration of ingredients according to VdL-RL 01

polyamine / inorganic white and coloured pigments / mineral agents / water

Contains 3,6,9,12 tetraazatetradecamethylenamine, 2,2'-iminodi(ethylamine), amines, polyethylene poly-, triethylene tetramine fraction. May cause allergic reactions.

**Information for allergy sufferers under telephone no. +43 5242 6922-713.**

### Safety information



The usual protective measures must also be observed when processing low-pollutant products.

Wear protective gloves and goggles.

During sanding use P2 / P3 dust filter.

If medical advice is needed, have the packaging or label ready.

If the product comes into contact with your eyes, rinse immediately with water.

It should be kept out of reach of children.

Ensure good ventilation during application and drying.

During work, do not eat, drink or smoke.

Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at [www.adler-lacke.com](http://www.adler-lacke.com).