

## 2K-Epoxi-Beschichtung

4005

Wasserbasierte, **2K-Beschichtung** für zementgebundene Böden für DIY und Gewerbe

### PRODUCT DESCRIPTION

#### General

Water-based, solvent-free, opaque protective coating for cementitious floor and wall surfaces based on epoxy resin polyamide. The product is characterised by very high abrasion resistance, very good cleanability, very good resistance to fuels, mineral oils, heating oil and alkalis. Tyreproof. Limited resistance to acids.

#### Special properties and standards

Fuel oil resistant according to DIN 53168  
Protection against frost and de-icing salt attacks according to RVS 11064

#### Application areas



Cementitious floor and wall surfaces indoors, such as storage rooms, cellars, garages and laundry rooms in private areas.

### PROCESSING

#### Instructions for use



- 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 substrate temperature (surface temperature of the floor to be coated) must be at least 3 °C above the dew point temperature during coating and during the drying time. If these conditions are not complied with, flooding and differences in the gloss level of the coating may occur.
- Do not close containers with hardened material.
- To create a slip-resistant coating, sprinkle quartz sand grain size 0.3 - 0.8 mm into the wet base coat. After drying for approx. 6 hours, the non-fixed excess of quartz sand is swept or vacuumed off. Then seal the surface 1 - 2 x with 2C Epoxy Coating 4005.

**Blending ratio**

2 parts by weight 2C epoxy coating, component 1 4005  
1 parts by weight 2C epoxy coating, component 2 82250

2C epoxy coating, component 1 4005 can only be used with 2C epoxy coating, component 2 82250 and in the mixing ratio stated. Deviations lead to film and adhesion problems.

2C Epoxy Coating Component 2 82250 must be carefully mixed into Component 1 while stirring before application. After addition of hardener, a waiting time of approx. approx. 5 minutes is recommended for improved degassing.

**Pot life**

approx. 2 hours at approx. 20 °C  
approx. 1 hours at approx. 30 °C

There is no recognizable end of the pot life.

Processing at temperatures above 30 °C is not permissible, as this may result in a severe reduction of the pot life and thus in levelling and filming problems.

**Application technique**

Application method	Rolling or brushing
Yield pro Application (m <sup>2</sup> /kg)	4 – 5
Application quantity (kg/m <sup>2</sup> )	0.25 – 0.3

The product is ready to brush.

The shape and properties of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

(at room temperature 20 °C)



Recoatable	after approx. 6 hours
Accessible	after approx. 12 hours
drivable	after approx. 10–12 days
Maximum film properties	

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 good ventilation during processing and drying, otherwise reaction disturbances and differences in gloss will occur.

Avoid low air exchange, low temperatures and/or high humidity.

Avoid direct sunlight (very quick drying).

**Cleaning the working equipment**

With water immediately after use.

To remove dried paint residues, we recommend using Abbeizer Express 8313.

**SUBSTRATE****Type of substrate**

Sound cementitious substrates.

<b>Substrate property</b>	<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 set soil is a prerequisite (surface tensile strength: mean value 1.5 N/mm<sup>2</sup>, smallest individual value 1.0 N/mm<sup>2</sup>). If this is not the case, the surface must be pre-treated accordingly by milling or shot-blasting.</p> <p>It must be ensured that the floor to be coated reaches the equilibrium moisture content. For concrete and cement screed max. 4 wt.% (CM method).</p> <p>Structural components on the ground must be reliably protected against moisture penetration from the rear by appropriate design measures (seals).</p>
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<b>Preparation of the substrate</b>	<p>Thoroughly remove greasy or oily impurities, roughen or sand particularly smooth screeds (sintered layers) to obtain sufficient adhesion.</p> <p>Any coatings that cannot be recoated must be removed thoroughly.</p> <p>Floors that are to be driven over must always be sanded (single-disc machine with diamond sanding disc or 16-grit sanding stone) to achieve sufficient adhesion)</p> <p>Recoating of existing coatings is not recommended without mechanical removal of the old coating. The pre-treated surfaces must be thoroughly dusted.</p>
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## COATING SYSTEM

<b>Primer</b>	<p>For slightly absorbent substrates: 1 x 2K-Epoxi-Beschichtung 4005 + diluted with approx. 20 % water</p> <p>For highly absorbent substrates: 1x 2K-Beton-Primer 4041</p>
<b>Primer/ Intermediate coat</b>	1 x 2K-Epoxi-Beschichtung 4005
<b>Finishing coat</b>	1 x 2K-Epoxi-Beschichtung 4005

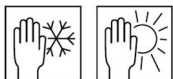
## ORDERING INFORMATION

<b>Size of trading unit</b>	660 g, 3 kg, 12 kg (only with 55500)						
<b>Colour shades / degrees of gloss</b>	<table border="0"> <tr> <td>Kieselgrau, Komponente 1</td> <td>55500</td> </tr> <tr> <td>Graubeige, Komponente 1</td> <td>55501</td> </tr> <tr> <td>Betongrau, Komponente 1</td> <td>55502</td> </tr> </table>	Kieselgrau, Komponente 1	55500	Graubeige, Komponente 1	55501	Betongrau, Komponente 1	55502
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<b>Supplementary products</b>	<p>2K-Epoxi-Beschichtung, Komponente 2 82250 Abbeizer Express 8313 1x 2K-Beton-Primer 4041</p>
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## OTHER INSTRUCTIONS

<b>Durability / storage</b>	<p>At least 3 months in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p>
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<b>Technical specifications</b>	VOC content	EU threshold for 2K-Epoxi-Beschichtung (cat. A/j): 140 g/l (2010). 2K-Epoxi-Beschichtung enthält <10 g/l VOC.
<b>GISCODE</b>	RE10	
<b>Safety-related information</b>		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 <b><a href="http://www.adler-lacke.com">www.adler-lacke.com</a></b> .

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