

Floor and Wall Finish 2K

Product description:

Satin-gloss, two-component, colour sealant for indoors. Tested according to AgBB (Committee for Health-related Evaluation of Building Products) test criteria for VOC emissions from indoor relevant building products. Permitted for use in common rooms.

Application:

For floors and walls with minor to moderate wear as well as indoor walls contaminated with chemicals and moisture. Can be used on concrete, mineral plastering (PII - PIV), cement, anhydrite and magnesite screed, hard asphalt (hardness class: IC10 or IC15) as well as hard old 2K coatings. Particularly suitable for private garages, workshops, basements with bike racks, recreation rooms, exhibition rooms and showrooms as well as lavatories, sanitary and storage rooms and basements. Also suitable on walls as an intermediate or top coat on fibre glass.

Properties:

- two-component
- water thinnable
- diffusible
- satin-gloss
- very good adhesion
- abrasion-resistant
- odourless
- tested for application in the food industry
- good resistance to chemicals and disinfectants
- decontaminable
- anti slip rating R 9 or R10 (refer to system structure)

Binding agent basis:

Water thinnable 2K epoxy resin.

Spec. weight:

approx. 1.4 kg/l

Gloss level:

Satin-gloss

Colours:

Pebble grey (approx. RAL 7032), concrete grey (not according to RAL) and white (not according to RAL) Wide range of colours using the Mega Mix paint mix service.

Packaging size:

10 kg plastic combination container

Airless spraying:

Application using brush, paint roller and airless sprayer

Application:

Nozzle: 0.015 - 0.017 inch, spraying angle 45°, at least 50 bars; do not use a filter.

Pot life time:

Approx. 90 minutes at 20 °C

Mixing ratio:

3:2 parts by weight (base:hardener)

Material preparation:

Stir the base well. Add the hardener to the base at the indicated mixing ratio. Stir intensively using a slow running mixer (max. 400 rpm) until there is a streak-free and even colour. Fill into another container (repot) and stir again thoroughly. Use undiluted for intermediate and top coat.

Surface:

The surface must be clean, load-bearing, dry, firm, free of dust and oil as well as separating substances (cement slurry, separating agents, etc.). The adhesive tensile strength must be at least > 1 N/mm² (average value 1.5 N/mm²).

The surfaces must have achieved their equilibrium moisture content:

Concrete and
 cement screed: max. 5 weight %
 Anhydrite screed: max. 1 weight %
 Magnesite screed: 2 - 4 weight %
 Xylolite screed: 4 - 8 weight %

1. Remove any soiling (dust, dirt, etc.) from the load-bearing surfaces.

2 Prepare non-load-bearing, severely soiled surfaces, which are soiled with oils, greases, rubber abrasion, etc. or show mealy or glassy cement stone by shot-blasting or the like.

3. Remove loose coats or non-adhesive coats of paint from coated surfaces. Sandpaper tightly adhering, fixed 2K coatings or prime with MEGA 052 Aquallack Epoxi Grund 2K.

Slip resistant version R9

Primer coat diluted with 10 % water, consumption 200 g/m². Intermediate and top coat undiluted, consumption 250 g/m².

Slip resistant version R10

Primer coat diluted with 10 % water, consumption 200 g/m². Intermediate coat undiluted, consumption approx. 250 g/m². Top coat undiluted, consumption approx. 250 g/m² + 4 weight % DisboADD 947 glass beads.

Technical specifications

Dilution:

As a primer with water up to a max. of 10 %.

Cleaning the tools:

Clean immediately after use and in the case of longer work breaks using water and soap.

Drying process:

Can be treated after approx. 16 - 48 hours. Mechanical load-bearing capacity is given after approx. 3 days, fully cured after ca. 7 days (at +20 °C and 60 % rel. humidity).

Consumption:

Floor:
 Primer coat (5 - 10 % diluted):
 approx. 200 g/m²
 Intermediate and top coat:
 each approx. 200 - 250 g/m²
Wall:
 per coat approx. 120 - 200 g/m²

Airless spraying:

Nozzle: 0.015 - 0.017 inch = 0.38 - 0.43 mm

General information

Application conditions:

Do not apply under 10 °C and above 30 °C object and ambient temperature. Relative humidity max. of 80 %. The temperature of the surface should always be 3 °C above the dew-point temperature.

Please observe:

No recognisable end of the pot life. Exceeding the pot life leads to changes in gloss and colour as well as loss of adhesion. Changes in temperature shorten or prolong the pot life.

Storage:

Can be stored stably in the closed original container in cool and frost-free conditions for at least 24 months.

Declaration of the substances of content:

Epoxy solid resin dispersion, water thinnable amines, titanium dioxide, barium sulphate, water, additives

Safety precautions:

Observe the safety data sheet and the bulletin (Processing resins) from the German Social Accident Insurance Institution for the Chemical Industry!

Information on disposal:

Only give fully empty containers to recycling. Liquid material residues can be disposed of as wastes resulting from water-based paints, dried up material residue in the form of hardened paints or as household waste.

EU threshold value for this product:

Product category: A/j
 140 g/l (2010).
 This product contains a max. of <15 g/l VOC.

GISCODE:

RE 10

Hazard warnings and safety instructions:

Base: Can cause allergic skin reactions. If a physician needs to be consulted, have packaging or identification label at hand. Keep out of the reach of children. Do not allow to get into your eyes, on your skin or clothing. Wear safety gloves/protective goggles. IN CASE OF SKIN CONTACT: Wash off using a great amount of water and soap. Contains: m-phenylenebis(methylamine), 3-aminomethyl-3,5, 5-trimethylcyclohexylamine.
Hardener: Has compounds containing epoxy. Can cause allergic reactions.

WHC1:

Self-classification

Observe the safety data sheet!

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Chemical resistance according to EN ISO 2812 at 20 °C	
	after 7 days
25 % ammonia (ammonia solution)	+
calcium hydroxide	+
Coca-Cola	+ (d)
distilled water	+
iron III chloride solution, saturated	+ (d)
5 % acetic acid	+ (d)
heating and diesel fuel	+
coffee	+ (d)
saline solution, saturated	+
2 % Lysoform solution	+
35 % magnesium chloride solution	+
red wine	+ (d)
10 % hydrochloric acid	+ (d)
< 10 % sulphuric acid	+ (d)
white spirit (substitute for turpentine)	+
transformer coolants	+
benzine	+
10 % citric acid	+
Legend: + = resistant, (d) = discolouration possible	

CE
MEGA e.G. Fangdieckstraße 45 22547 Hamburg
10 ¹
EN 13813 SR-AR1-B1,5-IR4
Synthetic resin screed/coating for indoor use in buildings (constructional systems according to technical information)
Fire classification: Efl ²
Release of corrosive substances (Synthetic Resin Screed): SR
Water permeability NPD ³
Abrasion resistance : AR1
Bond: B1,5
Impact resistance : IR4
Footfall sound insulation: NPD ³
Acoustic absorption NPD ³
Heat insulation: NPD ³
Chemical resistance: NPD ³

1) the last two digits of the year the CE label was attached.

2) in Germany, DIN 4102 continues to apply; fire classification B2 is met.

3) NPD = No Performance Determined

CE label DIN EN 13813

DIN EN 13813 "Screed material and floor screeds – Screed materials – Properties and requirements" (January 2003) defines requirements for floor screeds, which are used indoors for floor constructions. Synthetic resin coatings and sealants are also included in this standard. Products that comply with the aforementioned standard have a CE label.

