

Reaction-Sealer

codex Epoxidicht

Flexible, 2-component epoxy-resin bonded seal-coat under ceramic tiling

Description:

Highly flexible, 2-component epoxy-resin for applying bonded seal-coats onto surfaces heavily exposed to water and chemicals prior to fixing large and small format ceramic tiles, on interior and exterior flooring.

For wear classification C, with the general construction industry test certificate (abP) in respect of the test criteria for liquid-applied damp-proofing materials used in conjunction with large and small format tiles.

Suitable amongst others for/on:

- ▶ swimming-pools, spa- and thermal-baths
- ▶ laboratories and laboratory tables
- ▶ catering kitchens and kitchen worktops
- ▶ butchers shops and slaughter-houses
- ▶ food industry
- ▶ textile and paper industries
- ▶ battery rooms
- ▶ sewage plants
- ▶ chemicals industry
- ▶ cement screeds
- ▶ concrete
- ▶ mastic asphalt
- ▶ dense surfaces such as metal, glass and plastics
- ▶ warm water underfloor heating

Especially suitable in areas with a highest demand on resistance against chemicals, aggressive liquids, fuels, oils, etc.



Product Properties / Benefits:

Highly flexible, 2-component epoxy-resin produced by mixing Resin A and Hardener B. Easy to apply and rapid setting with excellent resistance to the effects of weather, water, chemicals, acids and mechanical wear.

Composition: Polyamine cross-linking epoxy-resin.

- ▶ Free-flowing consistency
- ▶ Easy to apply
- ▶ Chemical resistant
- ▶ Water impermeable
- ▶ Official test certification (abP)
- ▶ Interior and exterior use

Technical Data:

Packaging:	metal combi-can
Packsize:	10 kg
Shelf life:	min. 12 months
Colour:	off white
Mixing ratio:	A : B = 3 : 1
Consumption:	2.5 kg / m ²
Working temperature:	10 °C to 25 °C / 50 – 77 °F
Working time:	30 – 40 minutes*
Set to traffic / covering:	after approx. 1 day*
Water resistant:	after approx. 7 days*

* At 23 °C / 73 °F and 50 % relative humidity.

Substrate Preparation:

The substrate must be sound, dry, level, free from cracks, clean, sustainable and free from materials that would impair adhesion.

Test the substrate in accordance with applicable standards and notices and report any deficiencies. Mechanically prepare smooth concrete surfaces and weakly bonded or soft layers and clean until dust-free. According to type and condition, prepare the substrate with suitable primers and smoothing compounds from the codex product range. Always allow primers to dry thoroughly.

Refer to the Product Data Sheets for the codex products used.

Application:

1. Before use, allow the combi-can to come to room temperature. Punch several times through the plastic plug and the floor of the upper container (Hardener B), e.g. with a long, pointed chisel. Allow the hardener to drain completely into the lower container (Resin A). Remove the empty upper container and thoroughly mix the combined components with suitable mixing equipment (spiral, propeller or similar). Decant the mixed material into a second, clean container and mix thoroughly once again.
2. **1st. seal-coat:** Before surface sealing, bond codex Seal-Tape/Collars with codex Epoxidicht to corners and joints, edges, ducts and connections, floor drains, etc. Evenly apply mixed material onto the primed surface using a new S2 notched blade held at a below 90° angle. The material will normally flow on its own to provide a sealed surface. Otherwise, obliterate the ridge-marks with a foam roller.
3. **2nd. seal-coat:** Within 24 hours, apply second seal-coat (as described above). For colour differentiation, mix the codex Epoxidicht with 0.1% UZIN Epoxy-Colourant. Ensure a minimum 1 mm dry coat thickness at any point. Roller and brush application: For these application methods, the minimum dry coat thickness must be ensured by applying the appropriate quantity of coats.
4. **Cleaning:** Clean tools immediately after use with UZIN VE 124. Hardened material can only be cleaned by mechanical means.
5. After complete drying of the final seal-coat, large and small format tiles can be installed with codex Epoxiflex Plus.

Consumption:

1 st seal-coat	approx. 1.25 kg/m ²
2 nd seal-coat	approx. 1.25 kg/m ²
Total approx.	approx. 2.50 kg/m ²

Important Notes:

- ▶ Shelf life minimum 12 months in original packaging when stored in relatively cool, dry conditions. In cold conditions, the material develops a higher viscosity.
- ▶ Optimum working conditions are 20 – 25 °C/68 – 77 °F. Low temperatures deteriorate the working consistency and delay setting. High temperatures shorten the pot-life and setting time. Cannot be used at below 10 °C/50 °F.
- ▶ To ensure suitability in special applications, please request our list of Resistant Materials.
- ▶ For usage temperatures above 65 °C/149 °F, obtain technical advice.
- ▶ For surfaces made of diverse plastics, alloys and surfaces that are difficult to assess, it is recommended to conduct a test.
- ▶ Waiting time between coats must be a maximum of 24 hours. Apply epoxy-resin adhesive not later than 72 hours after applying the seal-coat.
- ▶ Leave tiling until the final seal-coat is fully cured. On reaction resin seal-coats, use only reaction resin systems, otherwise obtain technical advice.
- ▶ For large and small format tiling work onto bonded seal-coats, ensure a solid bed installation and use the appropriate application method.
- ▶ A fully functional seal system is only achieved with a minimum of 2 coats with a total dry coat thickness of at least 1 mm at any point.
- ▶ codex Epoxidicht is not a substitute for a structural seal in accordance with DIN 18 195. When sealing structures against moisture, refer to the installation guidelines in DIN 18 195 Part 4.
- ▶ Applicable and especially recommended are:
 - DIN 18 352 "Large and small format tiling work"
 - DIN 18 195 Construction Damp-proofing
 - ZDB publication "Notes for the installation of seal-coats in conjunction with interior and exterior, large and small format tile coverings"
 - AGI guideline "Requirements for sealed surfaces / tile coverings against chemical attack"
 - BEB work-sheet KH-6

Protection of the Workplace and the Environment:

Solvent free. Non flammable. Comp. A: Irritant. Contains epoxy resin. Comp. B: Corrosive. Contains amine hardener. Both components: May cause irritations to eyes, skin or respiratory system. May cause sensitisation by skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In liquid form, "hazardous to the environment", therefore do not allow into drains, water courses or landfill. Observe safety information on product label as well as safety data sheet. Once cured, has neutral odour and presents no physiological or ecological risk.

Disposal:

Do not allow into drains, water courses or land-fill. Empty, scraped-out and drip-free metal containers are recyclable. Containers with unhardened residues and collected, unhardened product residues are Special Waste. Mixed and hardened product residues, as well as containers with mixed and hardened residues are Construction Waste.