PRODUCT DATA SHEET

2-Component Reaction Resin Grouting Mortar for Wall and Floor Coverings

codex Epo Tix

Epoxy resin grouting mortar for fixing and grouting of ceramic coverings

Description:

2-component epoxy-resin grout and adhesive compound for chemical resistant and water-proof grouting of ceramic tiles, mosaics, glass tiles as well as natural stone on interior and exterior walls and floors.

Suitable 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
- warm water underfloor heating

Especially suitable for areas with highest demands on resistance to chemicals, corrosive liquids, fuels, oils, etc.

Product Properties / Benefits:

codex Epo Tix is a coloured synthetic resin joint mortar on epoxy resin base for the economical jointing and bonding of ceramic wall and floor coverings. Highly viscous and quickly setting, with excellent resistance against weather impacts, water and chemicals, salts and mechanical strain.

CE

UZIN UTZ AG
Dieselstraße 3
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EN 12004
Reaction resin adhesive for interior and exterior wall and floor tiling

Fire resistance E

R2

BioResist antimicrobial surface

RG

R2 T

- For joint widths from 3 – 15 mm
- Low slump
- Slurry or injection application
- High edge-adhesion
- Easy to emulsify and wash off
- Chemical resistant and waterproof
- Highly resistant to mechanical wear
- Solvent-free / water-free

Technical Data:

Packaging:	metal container
Packsize:	5 kg combi-can
Shelf life:	min. 12 months
Colours:	anthracite, dark grey, silver grey, brillant white, cement grey
Mixing ratio:	A : B = 4 : 1
Working temperature:	10 °C to 25 °C / 50 °F to 77 °F
Mixing time:	approx. 2 minutes
Pot life:	approx. 50 minutes*
Set to foot traffic:	after approx. 1 day*
Resistant to mechanical wear:	after approx. 1 day*
Resistant to chemicals:	after approx. 5 days*

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

codex | A Brand of Uzin Utz AG

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codex Epo Tix

Surface Preparation:

Jointing:

Test the substrate in accordance with applicable standards and notices and report any deficiencies prior to installing tiles. Mechanically prepare smooth concrete surfaces, adhesion-reducing or weak layers and clean dust-free, if necessary. Prepare substrate according to type and properties with suitable primers and levelling compounds from the codex range of products.

Prime mineral-based substrates with Epoxy Sealing Primer UZIN PE 460 and continue processing on it within 3 days using codex Epo Tix. Longer setting times require priming with Epoxy Sealing Primer UZIN PE 460. After application, this is to be sanded with plenty of UZIN Quartz Sand. Allow primers to always dry completely.

Installation:

The tile area to be jointed must be free from dust and mortar residues. Scrape mortar residues uniformly deep from the joints while fresh. Then clean the floor covering thoroughly. The adhesive must have set, the installation area be dry. Refer to the product data sheets for other codex products used.

Application:

1. Mixing: Allow material to reach room temperature before use. Add the hardener component B completely to the base component A and mix thoroughly for at least 2 minutes. Use a drill at slow speed with UZIN special stirrer.
   To prevent any unmixed material in the wall and bottom area of the mixing container, pour the material into an empty vessel and mix once more thoroughly.
2. Installation: Apply codex Epo Tix with the smoothing trowel in a sufficiently thick layer onto the substrate and then comb uniformly with the notched trowel.
3. Jointing with elutriation method: Apply the grout material fully into the joint with a codex Epo jointing board and then smooth well diagonal to the direction of the joint.
4. Washing: Begin washing immediately after jointing. Fill clean, lukewarm water into a bucket and add 0.1 – 1 % of codex Epo Wash washing aid according to the amount of water. Lightly wet the jointed area with a little bit of water prior to washing.
5. After cleaning, the jointed area may show only a thin film of water. Provide good ventilation to promote quick drying of the residual water.
6. Clean tools with codex Epo Wash washing aid immediately after use. Cured material can be removed only mechanically.

Consumption:

Grouting:

Tile size / joint section	Approx. consumption	Approx. coverage per 5 kg can
Tiles 15 x 15 cm Joint 4 x 4 mm	0.8 kg/m²	6.3 m²
Split clinker 24 x 11,5 cm x 8 mm Joint 8 x 8 mm	1.0 kg/m²	5.0 m²
Tiles 20 x 20 cm Joint 5 x 5 mm	0.8 kg/m²	6.3 m²

Gluing:

Notch size	Consumption
S2 notch size	1.3 kg/m²
3 mm notch size	2.0 kg/m²
4 mm notch size	2.1 kg/m²
6 mm notch size	2.7 kg/m²
8 mm notch size	3.3 kg/m²

Important Notes:

- Shelf life at least 12 months in original packaging when stored dry in moderately cool conditions. The material may thicken during cold.
- Best processed at 15 – 25 °C / 59 – 77 °F. Low temperatures worsen the processing consistency and delay curing. High temperatures shorten the pot time and curing time. Do no longer process below 10 °C / 50 °F.
- Please request our resistance lists to ensure suitability for special applications.
- Contact us for application advice when using at temperatures above 65 °C.
- Setting times between operations may be max. 24 hours. Do not apply epoxy resin adhesives any later than 3 days after sealing.
- With tile and plate work in areas above composite seals, a continuous bed must be ensured and the appropriate application technique used.
- Protect newly installed areas from soiling, direct sunlight and heat as well as cold and frost.
- The following apply as well, amongst others, or are recommended for special consideration:
  – DIN 18 352 "Tile and slab work"
  – DIN 18 157 "Ceramic work in thin bed processes"
  – ZDB Bulletins:
    • "Composite sealants"
    • "Coverings on cementitious screed – heated"
    • "Coverings on cementitious screed – unheated"
    • "Coverings on calcium sulphate heated screed"
    • "Exterior coverings"
    • "Interface coordination"
  – BEB Bulletin:
    • "Assessment and preparation of substrates"
  – BEB Worksheets KH-0/S, KH-1, KH-5, KH-6
  – AGI Worksheet S10 "Protection of building structures with plate covering against chemical attacks" (acid-proof structure), Part 1 – 3.

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Comp. A: Contains epoxy resin/Xi: Irritant. Comp. B: Contains amine hardener/Xi: Irritant. 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. 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.

Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free metal containers are recyclable. Liquid residues as well as containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.

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