

2-Component Reaction Resin Grout for Floors and Walls

codex Epo Tix

Epoxy resin grout for bonding and grouting of ceramic tiling

Description:

For chemical resistant and water impermeable grouting of large and small format ceramic tiles and mosaics, as well as glass tiles and mosaics on interior and exterior wall and floor tiling.

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 pigmented reaction resin grout mortar that sets without cracking or shrinking. It gives a uniform, decorative grout finish with good light resistance.

- ▶ 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:	12 months store in cool, dry conditions
Colours:	old grey, anthracite, sand, white
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 % air humidity.

Surface Preparation:

The tile surface to be grouted must be free from dust, mortar- and oil- residues. Scrape out any bedding mortar residues from the joint whilst still fresh and to a consistent depth. Then thoroughly clean the tiling. The bedding mortar must be set and the surface dry.

Application:

- Mixing:** Refer to the container label regarding handling of the combi-can. Put all of component B into the base component A and mix thoroughly for min. 2 minutes. Use a slow-speed drill with the UZIN Special Mixing Paddle. To avoid unmixed material around the walls and floor of the mixing container, decant into a second empty container and mix thoroughly once again. Do not dilute the grout mortar.
- Slurry application:** Apply the grout mortar with the codex Epo-Fugbrett or a suitable trowel so as to fill the joint and then remove excess material by scraping diagonally across the joint.
Injection application: Fill a manual or compressed-air cartridge-gun using the pressure-plate. For application, the codex Epo Box and the UZIN Mixing Set are available. Then inject the grout mortar to fill the joint and scrape off excess material with a trowel.
- Washing:** Start washing off approx. 30 minutes after grouting. Put clean, luke-warm water into a bucket and, according to the water quantity, add 0.5 – 1 % of the washing-aid, codex Epo Wash, for streak-free cleaning. Before washing off, wet the grouted surface with a sponge and a little of the wash-water.
For washing, use the codex Epo Cleaning Pads in a circular motion over the surface to be cleaned. Remove the resultant slurry using the codex Epo Schwamm, rinsing frequently. After cleaning, the grouted surface should have only a very thin film of water. To allow fast drying of the water residue, ensure good ventilation.

Important Notes:

- ▶ Shelf life 12 months in original packaging when stored in relatively cool conditions. Protect from frost.
- ▶ Do not use at temperatures below 10 °C/50 °F or above 25 °C/77 °F.
- ▶ Use mixed material within 50 minutes. Heat shortens, whilst cold lengthens the working- and setting- times. In winter, heat the job site and, in summer, store material in a cool location.
- ▶ On highly absorbent, open or heavily textured tile surfaces, first carry out a test for cleaning and setting.
- ▶ For chemical-resistant ceramic tile fixing, install on codex Epoxiflex Plus.
- ▶ Clean tools immediately after use with water mixed with washing-aid codex Epo Wash.
- ▶ Whilst grouting, protect fresh surfaces from draughts, contamination, direct sunlight and sources of heat.
- ▶ Grouted surfaces are resistant to mechanical wear after approx. 24 hours and are chemical-resistant after approx. 5 days.
- ▶ Applicable and especially recommended are the accident prevention regulations of the industrial liability insurers as well as the relevant regulations, including the following standards and publications: DIN 18 156 Part 4/DIN 18 157 Part 3/as well as the AGI work-sheet S10 "Protection of building structures with tiling against chemical attack" (acid protection), Parts 1 – 3. Separate list of resistances for codex Epo Tix. BEB publications KH-0/U, KH-1, KH-5, KH-6.

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Comp. A: Irritant. Contains epoxy resin. Comp. B: Irritant. Contains amine hardener. Both components: May cause irritations or burns 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. Observe safety information on product label as well as safety data sheet. Once cured, 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 containers are recyclable. 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.

Consumption:

Tile size / joint section	Approx. consumption	Approx. coverage per 5 kg can
Mosaic 50 x 50 mm Joint 2 x 4 mm	0.8 kg /m ²	6.3 m ²
Tiles 150 x 150 mm Joint 3 x 8 mm	0.8 kg /m ²	6.3 m ²
Split clinker 240 x 115 mm Joint 10 x 10 mm	1.0 kg /m ²	5.0 m ²
Stoneware tiles, glazed 244 x 119 mm, Joint 6 x 5 mm	0.5 kg /m ²	10.0 m ²