

Tile Grouts / Epoxy Based Tile Grouts**REPOX[®] 200**

Epoxy Based Tile Grout

DESCRIPTION

Epoxy resin based, double component, easy-to-apply, ready-to-use, **hygienic epoxy** tile grout which is **resistant to chemicals** and **bacteria**. Has high bonding strength and **can be wiped with water**.

APPLICATION AREAS

- Indoor and outdoor,
- Horizontal and vertical applications,
- Hospitals and all kinds of hygienic environments,
- Swimming pools, thermal pools and wet areas,
- Cheese, milk, wine, beverage, meat, fish and similar food industries,
- Medicine, dyestuff, paper, accumulator and fertilizer industries,
- Printing houses, laundries, industrial kitchens and dining halls,
- Places exposed to heavy pedestrian traffic, such as shopping malls, terminals,
- Waste water and purification facilities,
- Grouting joints of materials such as ceramic, tile, marble, granite, ceramic resistant to acids, porcelain ceramic, glass mosaic and glass brick to be used in places listed above.

ADVANTAGES

- Does not cause mould and fungus formation.
- Has high mechanical strength.
- Does not allow dirt accumulation and is easily cleaned.
- Resistant to oil, chemicals, acids, alkalines, chemicals and residential waste water.
- Not affected by sudden temperature changes. Resistant to freeze-thaw cycle.
- Does not have harmful effect on potable water.
- Suitable for joint widths from 2 - 10 mm.
- Resistant to abrasion.

CONSUMPTION

Refer to the tile grout consumption table.

PACKAGING

Sets of 5.20 kg (A+B) tin cans

TECHNICAL PROPERTIES

Components	A: Epoxy resin, B: Hardener
Color	White, grey, bahama beige, black
Mixture Ratio	A: 5 kg, B: 0.20 kg
Mixture Density	~ 1.70 kg/L
Pot Life	~ 45 minutes
Application Temperature	Between +10°C and +20°C
Flexural Strength	≥ 30 N/mm ² (EN 12808-3)
Compressive Strength	≥ 45 N/mm ² (EN 12808-3)
Abrasion Resistance	≤ 250 mm ³ (EN 12808-2)
Shrinkage	≤ 1.5 mm/m (EN 12808-4)
Water Absorption	After 240 minutes ≤ 0.10 g (EN 12808-5)
Service Temperature	Dry: -20°C / +80°C, Wet: -20°C / +50°C

APPLICATION

PREPARATION OF THE SURFACE

- Confirm that the adhesive is completely dry and that the ceramics are well adhered so that they do not move during the application.
- Clean with a thin stick or brush all kinds of dust, dirt, sawdust, construction and cement residues remaining in the joint gaps on the surfaces where the flooring process is complete. The joint gaps should be dry.

MIXTURE

- REPOX 200 is packaged as two components in appropriate quantities. Add 0.20 kg of component B (hardener) to 5 kg of component A (epoxy resin) and mix for at least 3 minutes with a 400 - 600 rpm mixer tip drill. Component B (hardener) is in the packaging of component A (epoxy resin).
- Components are packed in correct mixing ratios. If a part of the product is to be used, the mixture ratio should be maintained.

APPLICATION

Fill REPOX 200 into the joints with a plastic or hard rubber trowel or a mouth-loaded gun. Wait until the material applied in deep joints to settle to the bottom and repeat the process. Clean the surface with a sponge and warm water with detergent after 15 – 30 minutes depending on the ambient and surface temperature to give the joints their final shape. Change the dirty sponge during cleaning.

CLEANING OF CERAMICS

Tape both sides of the joint gaps to prevent epoxy based grouting materials form a film layer on ceramics. In case there is any overflowing material despite the tapes, clean it thoroughly. Cleaning becomes very difficult if it is delayed. Clean the the final film layer on the ceramics with the help of warm water with detergent in 4 - 10 hours after the application, add 10% alcohol to the final cleaning water and wipe the surface.

CAUTION

- Avoid application at temperatures below +10°C and above +20°C.
- Mix REPOX 200 with a drill. Do not mix manually or with trowel.
- Mix REPOX 200 in correct ratios. Do not add water, solvent etc.
- Working and curing times of epoxy resin based products depend on ambient and floor temperature. As the viscosity increases at low temperatures, the amount of consumption also increases. The chemical reaction slows down, thus extending the pot life and working time. At high temperatures, the opposite happens.
- Avoid application in frozen areas, where there is a risk of freezing within 24 hours or in areas open to direct sun and wind.
- Do not touch for at least 24 hours after the application and avoid water contact for 48 hours.

SHELF LIFE

Expires in 12 months. Store unopened packages in a cool and dry area between +10°C and +30°C.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food, skin, eyes and mouth during use and storage. In case of contact immediately wash with plenty of water. Consult a doctor if accidentally swallowed. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Do not bring food and beverages to the application areas. Do not approach storage and application areas with fire. Application areas should be ventilated. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data



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Page
3 / 3

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