

ULTRA POXY

High Performance Water Cleanable Epoxy Tile Grout

Description

ULTRA POXY is a three-component, water cleanable epoxy grout. It is composed of epoxy resin, mineral filler with coloring pigments and hardener. Once the three components are mixed, it will give a thixotropic paste which is used to grout the joints between ceramic tiles, mosaic, natural stones, marble, etc.

ULTRA POXY has excellent chemicals and abrasion resistance in medium and heavy-duty corrosive and hygienic environments. It is available in a variety of colors.

Features & Benefits

- Waterproof and high mechanical properties.
- Shrinkage and cracks free
- High acid & chemical resistance and mechanical properties.
- Hygienic and Eco- friendly
- Impermeable and resistant to staining
- Can be cleaned with water
- Suitable for both vertical and horizontal surfaces
- Anti-bacterial growth, suitable for bathrooms, kitchens and swimming pools.

Uses

ULTRA POXY is used for internal and external tile grouting for ceramic tiles, mosaic, natural stones, marble, etc.

ULTRA POXY can be used as a tile grout wherever excellent mechanical properties, chemical resistance, and hygienic environment is required. This includes chemical factories, hospitals, food production and processing, catering facilities, swimming pools, heavy duty workshops, electrical and mechanical rooms, services facilities, laboratories, etc.

Technical Properties

Color	White, Grey, other colors upon request
Density	1,680 Kg/ m ³ approx.
Pot Life	60 min @ 25°C
Adhesion Strength	≥3.5 N/mm ²
Water Absorption	<0.1g (240min)
Compressive Strength	60 N/mm ² @ 7 days
Flexural Strength	28 N/mm ² @ 7 days
Tensile Strength	20 N/mm ² @ 7 days
Abrasion Resistance	<200 mm ³
Shrinkage	≤1.0 mm/m
Max. service Temperature	-5 to +80 °C
Chemical Resistance	Excellent

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 13888 - RG
- ISO 13007- RG
- ANSI A118.3& A118.8

Application Procedures

Surface preparation:

When the tile adhesive has hardened, scratch out the joints to a sufficient depth and clean surfaces. Set of adhesives must have come to an end to avoid discolorations.

Mixing Instructions:

Add component B (hardener) into component A (resin) and mix carefully with slow speed electrical drill attached with a suitable paddle, add part C component while mixing till obtaining a homogeneous color paste.

Application Instructions:

Apply the product with a hard rubber spatula. The excess mortar must be immediately cleaned with a slightly wet soft cloth. Final cleaning should be executed with slightly dampened sponge with water.

Don't apply the product if temperature less than +5°C. For external application, protect the grouted surface from rain for at least 24 hours. Cleaning excess material should take place within 15 minutes. Extra care. Allow the grout to cure before allowing any foot traffic. Curing time is approx. 24 hours at 25°C.

Yield/ Coverage

For different size of tiles and joint width up to 10 mm, consumption of **ULTRA POXY**, can be calculated using the following formula:

$$\text{Kg (per m}^2\text{)} = \frac{A + B}{A \times B} \times W \times D \times 1.68$$

Where:

- A = length of tile (mm)
- B = width of tile (mm)
- W = width of joint (mm)
- D = average joint depth (mm)

Packaging

ULTRA POXY is available in 6 kg kit.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves and goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.



SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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