

# ULTRA POXY

## High Performance Water Based Epoxy Tile Grout

### Description

**ULTRA POXY** is a two-component water based cleanable epoxy grout. It is composed of epoxy resin, mineral filler with coloring pigments and hardener. Once the two 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 variety range of colors.

### Features & Benefits

- Waterproof and high mechanical properties.
- Shrinkage and cracks free
- High 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	1,600 Kg/ m <sup>3</sup> approx.
Open time	60 min @ 25°C
Adhesion Strength	3.0 N/mm <sup>2</sup>
Water Absorption	<0.2%
Compressive Strength	80 N/mm <sup>2</sup> @ 7 days
Flexural Strength	26 N/mm <sup>2</sup> @ 7 days
Tensile Strength	20 N/mm <sup>2</sup> @ 7 days
Shrinkage	<0.25%
Max. service Temperature	-5 to +80 °C
Chemical Resistance	Excellent

All values are subject to 5-10% tolerance

### Standards Compliance:

- EN 13888 , BS 6319
- ANSI A118.3

### 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. Absorbent substrates/ tiles shall be pre-wetted with water thoroughly

#### Mixing Instructions:

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

## Application Instructions:

Apply the product with 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 at 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:

$$\text{Kg (per m}^2\text{)} = \frac{A + B}{A \times B} \times W \times D \times 1.6$$

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 4 Ltr 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, 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.