

# COLORTEC POXY

## High Performance Epoxy Grout for Tiles

### Description:

COLORTEC POXY is a three component, epoxy based colored grout. It is composed of epoxy resin tinted to the required color (part A), hardener (part B) and mineral filler (part C). Once mixed the product gives a thixotropic workable paste which can be easily applied as grout for joints between all kinds of tiles.

### Applications:

COLORTEC POXY is an ideal grouting product for tiles where excellent mechanical, chemical resistance and hygienic properties are required. It can be applied internally and externally and for all types of tiles. Some applications include:

- Ceramic tiles, mosaic, natural stones, marble tiles.
- Laboratories and hospitals.
- Mechanical rooms and chemical facilities.
- Factories, workshops and service facilities.
- Showers, bathrooms and kitchens walls and floor.
- Swimming pools and water features.
- Catering facilities, food production and processing, central kitchens.

### Advantages:

- Non-toxic, hygienic and anti-bacterial. Suitable for tiles grouting in food facilities, hospitals, catering facilities and heavily utilized kitchens.
- Suitable in areas subjected to chemical aggressive attacks such as mechanical rooms, chemical factories and acid tanks.
- Can be applied for joints from 3 to 10 mm.
- Non- shrink, high adhesion.
- High abrasion resistance and chemical resistant.
- Stable colors even at heavy cleaning environments.
- Water resistant can be applied at wet areas.
- Can be applied on wall or floor and for internal and external joints.
- High mechanical properties.
- Impermeable with resistance to staining.

### Instructions for Use:

#### Surface Preparation:

All joints to receive COLORTEC POXY should be clean, dry and free from loose material, dirt. Ensure that the installed tiles had fully cured before starting the grout application. Refer to the technical data sheet of the tile adhesive applied before commencing application with COLORTEC POXY grouting.

#### Mixing:

Mix the contents of component A (Base) with a low speed mixer for one minute to homogenize the content of the container. Add the contents of component B (hardener) to the content of component A (Base) and mix until a uniform, lump free consistency mix is achieved. Slowly add the contents of part C (filler) while mixing to ensure proper cohesion and no lumps are forming. Ensure to avoid air entrapment due to over mixing which cause pinholes in the grout. Scrape the sides and bottom of the can to assure complete mixing. Leave the mix to rest for 5 minutes, then to apply the mix within the pot life.

#### Application:

With a rubber sided or a plastic trowel, spread the mixed product of COLORTEC POXY to the substrate evenly and in sufficient quantity. Work the mix to the joints firmly and ensure full coverage. Sweep excess from the face of tiles using same trowel. Once confident that grout went through and covered all joints, clean the face of tiles with a clean damp cloth with warm water before the drying of the epoxy grout. If the product dried it requires cleaning with SOLVENT. After 8 hours of application, apply proper cleaning to the face of the tile grouted area with a clean cloth and SOLVENT.

Usually Joints color grouting can be performed after 24 hours of tiling of walls and floor. Refer to technical data sheet of the used adhesive for more

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details. If TILEGRIP POXY tile adhesive is used, joint grouting with COLORTEC POXY can be performed after 8 hours of tiles application.

Do not apply COLORTEC POXY on expansion joints or on support with high dynamic movements. All used tools should be cleaned with SOLVENT.

## Standards:

COLORTEC POXY conforms to:

- ISO 13007-1 as RG
- ANSI A 118.3 -1992
- EN 13888 as RG

## TECHNICAL PROPERTIES

Color:	:	White and grey, other colors upon request
Open time	:	45 minutes
Bond Strength	:	1.80 N / mm <sup>2</sup>
Density (mixed)	:	1.65 Kg. / Lt.
Compressive Strength	:	60 N / mm <sup>2</sup>
Flexural Strength	:	30 N / mm <sup>2</sup>
Pull-out resistance	:	>3 N / mm <sup>2</sup>
Shrinkage (fully cured)	:	0.1 %
Water Absorption	:	<0.1 %
Full Curing	:	7 days
Chemical resistant		
Acid solutions	:	Very good
Alkali solution	:	Very good
Oil	:	Excellent
Detergents	:	Excellent
Water, sea water, brackish	:	Excellent
Service Temperature	:	-5°C to +80°C
Pot life time at 20°C	:	60 minutes
Temp. of application	:	+5°C to 35°C

## Packaging:

COLORTEC POXY is available in 8 kg kit of three parts, base (A), hardener (B) and bag of filler (C).

## Storage:

Store in original packing in dry conditions away from direct sunlight and in temperature controlled warehouse.

## Coverage:

Consumption expressed in kilograms in a unit of one square meter calculated as:

$$\frac{W \times D}{1,000} \times L \times 1.5 = (\dots) \text{ Kg. /m}^2$$

*W: width of Joint (mm)*

*D: depth of tile (mm)*

*L: linear meter of joint in 1m<sup>2</sup> of tiles*

## Shelf Life:

COLORTEC POXY can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

## Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas.
- Avoid contact with eyes or skin.
- Avoid direct contact with flames and fire.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

