

COLORTEC POXY

High Performance Epoxy Grout for Tiles

Description:

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

Uses:

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 have 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.

- Before grouting, make sure that the tiles or stones are firmly set and that the adhesive or mortar is completely dry.
- Remove all spacers, pegs, ropes and strings.
- Grout joints must be clean and free of standing water, dust, dirt and foreign matter. Remove excess adhesive or mortar from the joint area so that 2/3 of the tile depth is left available for grouting.
- Clean the tile or stone surface to remove dust, dirt, mortar, adhesive and other contaminants that may cause grout discoloration.

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 component A (Base) and mix until a uniform, lump free consistency mix is achieved. 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. Apply the mix within the pot life.

Application:

With a hard rubber float, spread the mixed product of COLORTEC POXY to the substrate evenly and in sufficient quantity. Work the mix to the joints firmly

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and ensure full coverage. Sweep excess from the face of the tiles using the same rubber float in diagonal direction to the tile joint. Final cleaning should be done using a sponge dampened with ARMOSOLVENT. Cleaning excess mortar should take place within 15 minutes of application

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 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 ARMOSOLVENT.

Standards:

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

Packaging:

COLORTEC POXY is available in 6 kg kit of two parts, base (A) and hardener (B).

Consumption:

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

$$\frac{W \times D}{1,000} \times L \times 1.77 = (\dots) \text{ Kg. /m}^2$$

W: width of Joint (mm)

D: depth of tile (mm)

L: linear meter of joint in 1m² of tiles

Storage:

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

TECHNICAL PROPERTIES	
Color	White and grey, other colors upon request
Mix Density	1.77 ± 0.03 k/lit
Pot life at 25°C	>45 minutes
Temp. of Application	+5°C to 35°C
Full Curing	7 days
Shear Bond Strength ANSI A118.3	7 N/mm ²
Compressive Strength (EN 12808-3)	65 N/mm ²
Flexural Strength (EN 12808-3)	>30 N/mm ²
Shrinkage (fully cured) (EN 12808-4))	0.1%
Water Absorption (EN 12808)	<0.05%
Chemical resistant	
Acid solutions	Very good
Alkali solution	Very good
Oil	Excellent
Detergents	Excellent
Water, sea water, brackish	Excellent

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Shelf Life:

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

Cleaning:

Clean used tools with water before product dries. Dry material should be removed mechanically.

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Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to COLORTEC POXY Material Safety Data Sheet.

MATEX Rev.05-0223

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