

# COLORTEC POXY WB

## Water Cleanable Epoxy Tile Grout

### Description:

COLORTEC POXY WB is a two component, water, cleanable chemical resistant epoxy tile 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 tile grout for all types of tiles, like ceramics, porcelain, natural stone and marble for joints from 2 to 10 mm wide.

COLORTEC POXY WB offers hygienic, low odor, easy to clean epoxy grouting material.

### Uses:

COLORTEC POXY WB is an ideal grouting product for tiles where high 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 and porcelain.
- 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:

- Can be applied on floors and walls for external and internal application.
- High abrasion and chemical resistant.
- Stable colors even at heavy cleaning environments.
- Water resistant can be applied at wet areas.
- Excellent adhesion to damp and dry surfaces.
- Water proof, hygienic, hard wearing and impact resistant.
- Good resistance to chemical attack.
- Easy to apply and can be cleaned by water.

- Non-toxic, hygienic and anti-bacterial. Suitable for tiles grouting in food facilities, hospitals, catering facilities and heavily utilized kitchens.
- Can be applied for joints from 2 to 10 mm.

### Instructions for Use:

#### Surface Preparation:

All joints to receive COLORTEC POXY WB 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 WB 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 contents of the container. Add the contents of component B (hardener) to the contents of component A (Base) and mix until a uniform, lump free color consistent 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. Once mixed, the material must be used within its pot life.

#### Application:

With a hard rubber float, spread the mixed product of COLORTEC POXY WB to the substrate evenly and in

# COLORTEC POXY WB

sufficient quantity. Work the mix to the joints firmly and ensure full compaction and coverage. Sweep excess from the face of tiles using the same rubber float in diagonal direction to the tile joint. Clean the face of tiles area by making circular movements with a coarse sponge pad and a little water. Wipe off the resulting slurry with a soft sponge. Frequently rinse the sponge in clean water while cleaning the tile surface. After 5 hours of application, apply proper cleaning to the face of the tile floor with a soft sponge. 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 WB tile adhesive is used, joint grouting with COLORTEC POXY WB can be performed after 8 hours of tiles application.

Do not apply COLORTEC POXY WB on expansion joints or on support with high dynamic movements. All used tools should be cleaned with water before material dries.

## Standards:

- ANSI A 118.3
- ANSI A 118.8
- EN 13888 as RG
- ISO 13007-1 as RG

TECHNICAL PROPERTIES	
Color	White, grey. Other colors upon request
Density (mixed)	1.65 ± 0.03 kg/lit
Pot life @ 25°C	60 minutes
Full Curing	7 days
Shear Bond Strength (ANSI 118.3)	>7.0 N / mm <sup>2</sup>
Compressive Strength (EN 12808-3)	50 N / mm <sup>2</sup>
Flexural Strength @ 7days (EN 12808-3)	30 N / mm <sup>2</sup>
Resistance to Abrasion (EN 12808-2)	<200 mm <sup>3</sup>
Shrinkage (fully cured)	0.1 %

Water Absorption (EN 12808)	<0.05 %
Chemical resistant	Very good
Acid solutions	Very good
Alkali solution	Excellent
Oil	Excellent
Detergents	Excellent
Water, sea water, brackish	Excellent
Service Temperature	-5°C to +80° C

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

## Coverage:

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

$$\frac{W \times D}{1,000} \times L \times 1.65 = (\dots) \text{ Kg. /m}^2$$

Or

$$\frac{A + B}{A \times B} \times W \times D \times 1.65 = (\dots) \text{ kg. /m}^2$$

*W: width of Joint (mm)*

*D: depth of tile (mm)*

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

*A: length of tiles (mm)*

*B: width of tiles (mm)*

## Packaging:

COLORTEC POXY WB is available in 6 kg. kits of two containers hardener and base.

## Storage:

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

# COLORTEC POXY WB

## Shelf Life:

COLORTEC POXY WB 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.

## 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 WB Material Safety Data Sheet.

MATFX Rev. 13-0724

*MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectively and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.*

