

COLORTEC

Latex Modified Water Repellant Cement Based Tile Grout

Description:

COLORTEC is a latex modified single component, water resistant water repellant, dense, smooth finish cementitious colored grout, formulated from white cement quartz powder, synthetic resins, polymer, stable colors and water proofing additives. When mixed with water, the product becomes smooth, easily applied grouting mortar, with high mechanical resistance and shrinkage free once cured. COLORTEC is designed to accommodate joints between tiles, ceramics, porcelain and marble up to 6 mm.

Uses:

COLORTEC is suitable as a colored grout for joints between tiles in:

- Residential and commercial
- Floor and walls in areas such as facades, balconies, terraces and swimming pools.
- Bathrooms and kitchens.
- Dry application at corridors, walls and living area.
- Offices and show rooms.
- Wet and dry areas internally and externally.

Advantages:

- Provides a water repellant surface good compressive and flexural strength
- Shrinkage compensated, does not separate after drying.
- High abrasion resistance.
- Stable colors even at heavy cleaning environments.
- Water resistant can be applied at wet areas.
- Excellent resistance to moisture
- Designed for tropical climate.

Instructions for Use:

Surface Preparation:

All joints to receive COLORTEC should be clean, dry and free from loose material, dirt. Remove spacers and debris in grout joints. Clean dust and dirt using wet sponge. Do not leave standing water in joints. Tiles to be checked for full setting before applying grouting. Refer to the technical data sheet of the tile adhesive applied before commencing application with COLORTEC grouting.

Mixing:

Add the bag contents to a clean container with 2.3-2.5 liter of clean water per 10 kg bag. Mix until a uniform, lump free consistency mix is achieved. Leave the mix to rest for 5 minutes, and remix before grouting.

Application:

With a rubber sided or a plastic grout float, spread the mixed COLORTEC to the substrate evenly and in sufficient quantity. Fill the mix to the joints firmly and ensure full coverage. To remove excess grout, hold the float at 90° angle and pull it at a 45° angle diagonally across the joints to avoid pulling out the material. Once grout has filled all joints, leave the work area for a time interval of 15 minutes, then clean the face of tiles afterwards with a clean damp cloth. After full drying of the grout, apply proper cleaning to the face of the tiles.

Usually joints color grouting can be performed after 24 hours of tiling of walls and floors.

When it is required to enhance the water proofing and flexibility features of COLORTEC, the product can be mixed with substitution of ELASTOGRIP latex instead of water either fully or partially. For partial substitution apply a ratio of 1:1 water to latex.

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Standards:

- ISO 13007-3 as CG2 WA
- EN 13888-CG2 WA
- ANSI 118.6, 118.7

TECHNICAL PROPERTIES	
Color	Refer to MATEX color charts
Mixing Ratio	100 parts of Colortec with 23-25 parts of water by weight
Wet Density	1.8 ± 0.03 kg/lit
pH of Mix	Approx.: 13
Workability	45 minutes
Potlife	Approx. 30-40 minutes (depending on weather condition)
Application Temperature	+5°C to +100°C
Adhesion Strength	1.80 N/mm ²
Linear shrinkage (EN-12808-4)	<2.5 mm/m
Resistance to Abrasion (EN 12808-2)	≤ 500 mm ³
Compressive strength (EN 12808-3)	>25 N/mm ²
Flexural strength (EN 12808-3)	>5 N/mm ²
Water absorption (BS EN 12808)	
After 30 mins	≤ 1.2g
After 240 mins	≤ 2.3g
Resistance to mild chemicals	Excellent
Noxiousity CEE881379	None

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

Coverage:

Consumption depends on sizes of tiles and joints dimensions. Consumption can be calculated using one of the following two formulas:

W x D

$$\frac{\text{-----}}{1,000} \times L \times 1.8 = (\dots) \text{ Kg. /m}^2$$

OR

A + B

$$\frac{\text{-----}}{A \times B} \times W \times D \times 1.8 = (\dots) \text{ Kg. /m}^2$$

W: width of Joint (mm)

D: depth of tile (mm)

L: linear meter of joint in 1m² of tiles

A: length of tiles (mm)

B: width of tiles (mm)

Packaging:

COLORTEC is available in 10 kg clean, recyclable paper bags and 5 kg plastic bags.

Storage:

Store in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

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

Cleaning:

Clean with water before the product dries. Hardened materials can only be cleaned mechanically.

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Remarks:

- COLORTEC should not be applied onto surfaces likely to suffer from rising dampness or moisture content.
- During summer season, working area should be covered.
- In case of high absorbent tiles or high temperatures, dampen the joints with clean water.
- It is recommended to grout the joints after 24 hours.
- For external application, do not apply COLORTEC in rainy weather, high winds or sand storms.
- Always be sure that the tools and mixing water are clean in order not to affect the grout color.
- Do not use acid to clean colored grout joints.
- Job site condition will affect the final color of colored grouts. Try a small test area to determine results before grouting the entire installation.
- For floor tile fixing using site mix cement mortar, it is recommended to apply grout after 7-10 days.

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 Material Safety Data Sheet.

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