Technical Data Sheet

COLORTEC PRIMA

High Performance, Quick Dry, Anti-bacterial Anti-fungus Water Repellant Tile Grout for Joints from 2 to 20 mm wide

Description:

COLORTEC PRIMA is a latex modified, high performance, single component, smooth finish colored grout. It is formulated to act as a waterproof, anti-bacterial, anti-fungus, water repellant tile grout. It is composed of a blend of special hydraulic binders, high quality stable color pigments, special polymers, silica powder, high latex content, water repellant agent and anti-fungus additive.

COLORTEC PRIMA has a perfect color uniformity with high resistance to water absorption which reduces the dirt accumulation in the grout. The anti-fungus/anti-bacterial additive in the mix prevents the generation of mold and bacteria in the joint.

Uses:

COLORTEC PRIMA is suitable as a grout for tile joints for all kinds of tiles in the following applications:

- Bathrooms and kitchens walls and floor.
- Showers, saunas, fountains, swimming pools, water features.
- Hygienic environment areas such as restaurants, hospitals, clinics, etc.
- High traffic areas such as airports, shopping malls, hotels, etc.
- Wet and dry areas internally and externally.
- Applicable for floors and walls.

Advantages:

- Formulated and based on hydraulic binders with special added additives to guarantee perfect color uniformity
- Hygienic products, prevents growth of fungus and inhibits bacteria growth.
- High UV and weather resistance.
- Waterproof for all kinds of water splash and heavy cleaning.
- Shrinkage compensated, does not separate after drying.
- High abrasion resistance.
- Stable colors even at heavy cleaning environments.
- Formulated for tropical climates.
- Quick setting with excellent water repellency effect.
- Very low water absorbance which reduce the chance of grout color change due to dirt absorbance.

Instructions for Use:

Surface Preparation:

All joints to receive COLORTEC PRIMA 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 PRIMA grouting.

Mixing:

Before combining the powder with the water, dry-blend the product to avoid color variations which may arise from pigment settling during transport. Add the bag contents to a clean container with 2.6-2.8 liter of clean water. 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 trowel, spread the mixed COLORTEC PRIMA to the substrate evenly and in sufficient quantity. Fill the mix to the joints firmly

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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 went through and filled all joints, leave the work area for a time interval of 15 minutes, and then clean the face of tiles with a clean damp sponge. After complete hardening, clean all surface of the tile with a dry cloth.

Usually joints color grouting can be performed after 24 hours of tiling of walls and floors. Refer to technical data sheet of adhesive for more details.

When it is required to enhance the water proofing and flexibility features of COLORTEC PRIMA, 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.

TECHNICAL PROPERTIES	
Color	Refer to MATEX color charts
Wet Density	1.63 ± 0.03 kg/lit
pH of mix	Approx. 11
Potlife of Mix	25-30 minutes
Application Temp. Range	From +5°C to +35°C
Waiting time for finishing	15-30 minutes
Set to light foot traffic	Approx. 3 hours
Ready for use	24 hours (48 hours for basins and swimming pools)
Adhesion Strength	1.80 N/mm²
Linear shrinkage	<2.5 mm/m
Resistance to Abrasion	≤ 500 mm^3
Compressive strength (EN 12808-3)	>30 N/mm²
Flexural strength (EN 12808-3)	10 N/mm²
Water absorption (BS EN 12808)	
After 30 mins	≤ 0.1g
After 240 mins	≤ 0.2g
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.

Standards:

- EN 13888 – CG2 WAF
- A118.7
- ISO 13007 as CG2 WAF

Coverage:

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

$$\frac{W \times D}{1{,}000} \times L \times 1.60 = (\ldots)\ \text{Kg. /m}^2$$

$$\frac{A + B}{A \times B} \times W \times D \times 1.60 = (\ldots)\ \text{Kg. /m}^2$$

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 PRIMA is available in 5kg and 10 kg recyclable paper bags.

Storage:

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

Shelf Life:

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

Cleaning:

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

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Remarks:

- COLORTEC PRIMA should not be applied onto surfaces likely to suffer from rising dampness or moisture content.
- During summer season, working area should be covered.
- Always be sure that the tools and mixing water are clean in order not to affect the grout color.
- Do not use strong acid to clean colored grout joints. If an acid-based cleaner is used, it is recommended to test the product first to check the resistance of the color. Always make sure that the joints are thoroughly rinsed down to avoid traces of acids in the joints.
- COLORTEC PRIMA doesn't have Portland cement and should not be combined with gypsum or other hydraulic binders. Once the mixture has already started to set, avoid adding water to it.
- Mix COLORTEC PRIMA with clean water in a clean mixing container.
- Use a suitable flexible sealant from MATEX range for expansion and movement joints on walls and floors. Joints should never be filled with COLORTEC PRIMA.
- For tiles or stone material that may have micro-porosity or rough surface, it is recommended to carry out a preliminary test to check the cleanability of the surface or if it is necessary to apply a protective coating to ensure that the grout does not penetrate into the porosity of the tiles.

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 vapor 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 PRIMA Material Safety Data Sheet.

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