



# TILECARE CG-100

CEMENT-BASED TILE JOINT FILLER GROUT



## **DESCRIPTION**

**TILECARE CG-100** is a polymer-modified, cement-based tile joint filler grouting material, which is highly suitable for filling the joints/gap of all types of tiles. It exhibits water-resistant properties, making it an ideal choice for various applications. Additionally, this versatile grout can be used for joints of ceramic, glazed, porcelain, vitrified, glass, mosaic, as well as natural and engineered stones.

## **FEATURES & BENEFITS**

- Easy to use & clean - just mix with water, ready to use
- Polymer modified - crack-free, minimum shrinkage & water resistance
- Suitable for varied tile and stones - all ceramics, vitrified tiles, granites, etc.
- Low VOC - for healthy living
- For interior & exterior use

## **AREA OF APPLICATION**

- Floors and walls of internal and external areas, suitable for domestic and commercial applications, as well as wider tile joints.

## **METHOD OF APPLICATION**

### **1. Surface Preparation**

- Ensure 24 hours time interval for grouting after tile fixing
- The joints must be dry, clean, free of dust & adhesive.
- Emptied at least 2/3 of the tile thickness depth.
- Before grouting, make sure that the installation the adhesive has set and released most of its moisture. The joints should not be wet during work.
- Put masking tape by side of grouting space or sealer if necessary.

### **2. Mixing**

- Take water into a clean mixing pail. Add TILECARE CG-100 Powder and mix thoroughly by hand or with a slow speed mixer.
- Avoid entraining air by mixing at very high speed or by over-mixing.
- Make sure that uniform color & lumps-free consistency is achieved.
- Allow the mix to slake for 2-5 minutes and remix
- Use the paste within 60 minutes from mixing.

### **3. Application**

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° anglediagonally across the joints and tile to . avoid pulling out the material
- Work in small areas to have better control on removing the excess grout from joints and surface by moving the squeeze diagonally to the grout lines
- Ensure that joint is filled completely, and grout is not just sitting on top

#### **4. Cleaning**

- Clean the excess grout from tile joints & tiles after 20 minutes of application. Cleaning should be done before the product hardens.
- Use a rough textured sponge dampened with water to remove the grout residue.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ BYOCLEAN tile cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

#### **TECHNICAL INFORMATION**

PROPERTIES	RESULT
Colour Available	20
Mixing Ratio (gm)	1 kg CG-100 : 0.33 – 0.40 kg Water (2.5 - 3 : 1 by weight)
Compressive Strength after 28 days	≥ 15 N/mm <sup>2</sup>
Flexural Strength after 28 days	≥ 2.5 N/mm <sup>2</sup>
Water absorption	Nil
Sag Resistant	No-sag
Joint Width	Up to 5 mm
Pot life	3 hrs @ 30°C

#### **PRECAUTIONS & LIMITATIONS**

- Do not apply on wet/damp tile joints. Always apply on completely dry tile joints.
- Do not over-mix the material. Over-mixing can reduce the pot life
- Do not allow grout to harden on the face of the tile. Clean promptly.
- While cleaning change frequently the water. Change cleaning cloth/ sponge when they are impregnated with grout.
- Do not allow water to flow/run into un-grouted joints while application.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- In case of grouting natural stones, it is necessary to execute a preliminary test, in order to verify the absorption of color by the stone slabs. To avoid this problem, mask the tiles before grouting. A sealer or grout release may be required.

### **SHELF LIFE**

- › 24 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature

### **PACK SIZE**

- › 1, 5 ,20 Kg Pack

### **SAFETY PRECAUTIONS**

- › Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

Note: All technical data tested in this product data sheet are based on laboratory tests. Actual measured data may vary according to trails and quality of material availability