

## STRONG BOND-EPOXY GROUT-3C



STRONG BOND EPOXY GROUT Special Purpose Epoxy Tile Grout is a 3 component grout comprising of resin, hardener and filler powder which is the colour component. STRONG BOND EPOXY GROUT is very suitable for ceramic tiles, vitrified tiles, marble & granite stone & Glass Mosaic Tiles especially in stain prone areas such as kitchens, bathrooms, hospitals, hotels, restaurants & water bodies etc.

### Product Description

Designed especially for interior and covered exterior floor and wall joints of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, metal tiles, precast terrazzo, engineered stone floors and natural stones. Recommended for Institutional and commercial kitchens, Cafeterias, residential facilities, Rest rooms, Schools and wet areas like swimming pools, sauna, water bodies and washrooms.

### Applications

Stain-free epoxy grout for interior & covered exterior floor & wall

#### Features and benefits

- Stain-free
- Colour fast
- Easy to clean
- Chemical and Temperature resistant
  - Non-cracking or powdering
  - Anti-Bacterial and anti-fungal
  - Water and shock resistant.

#### Substrates

- Ceramic tile • Vitrified tile • Glass  
Mosaic Tiles • Granite • Marble • Metal  
tiles • Agglomerates (Engineered Stones)  
• Precast Terrazzo tiles

**Packaging:**

STRONG BOND EG100 is a factory proportioned kit with Hardener (Part A), Resin (Part B), and colored filler powder (Part C).

Unit	Net weight 1/5th
unit	1.0 kg 1 full unit
5.0 kg Double unit	10.0 kg

**Colour:** Choose from range of colours available in Part C filler powder. Please refer the grout colour chart for choosing the colour required.

**Coverage:**

Please refer the coverage chart as it depends on the tile size, joint width and depth.

Working Properties at 70° F (21° C)

**Working properties:**

Pot life	-45 minutes
Foot traffic	-24 hours
Heavy traffic	-72 hours

**Technical table**

Applicable Standards: ISO 13007 – 3 (RG) / EN 13888		
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	$\geq 45 \text{ N / mm}^2$	50 – 56 N / mm <sup>2</sup>
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	$< 1.5 \text{ mm / m}$	0.5 – 0.7 mm / m
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	$\leq 0.1 \text{ g}$	0.015 – 0.040 g
Chemical Resistance	See Chemical resistance chart	

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 – 2	$\leq 250 \text{ mm}^3$	Pass
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 – 3	$\geq 30 \text{ N / mm}^2$	36 – 40 N / mm <sup>2</sup>

The grout mortar conforms to ISO 13007 – 4 (RG) / EN 13888. The mix density of STRONG BOND EG100 grout is 1710 kg /m<sup>3</sup>.

#### **Important site Checks:**

**Notes to the specifiers:** • It is recommended to check the colour of the grout, if it is meeting the desired colour of the client • It is recommended to do a small area with actual tile/stone at site and check for any colour ingress into the tile/stone. Many tiles / stones have high absorption which may lead to discoloration / colour marks. • Plan to provide proper movement joints, peripheral joints as per EJ 171 to accommodate movements in tile/stone and use flexible grout / sealant to fill these movement joints. • STRONG BOND EG100 is a solid epoxy grout and does not accommodate movements in tile/stone that can occur due to various reasons. Movements which occur in the tile/stone area due to non provision of movement joints will lead to cracks / breakage of grout joints / tile/ stone. • Keep the working area covered and protected from Sun light while application

Surface Preparation: Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting. Substrate temperature must between 60°F (16°C) and 90°F (32°C).

**Mixing:** Empty entire contents of STRONG BOND EG100 Stain free Grout Part “A” and Part “B” container into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Add at least ¾ of STRONG BOND EG100 Part “C” Filler Powder and mix to a uniform consistency. Add the remaining filler powder and mix to achieve a stiff mix to work into the joints. Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with STRONG BOND EG100 Grout into tile joints. STRONG BOND EG100 Grout can also be applied with a caulking gun. Be sure all grout joints are packed full with STRONG BOND EG100. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

#### **Cleaning:**

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

#### **Initial Cleaning:**

After 30-45 min of the application of the grout scrub the surface of the tile & joint with clean water and scrubber provided to remove any excess grout. Then take a clean thick white towel and drag across the tile to remove any residue.

#### **Final Cleaning:**

within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile

#### **Shelf Life:**

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <95°F (35°C) under shed, away from direct sunlight.

#### **CUSTOMER CARE**

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