

STRONG BOND EPOXY GROUT 3C

EG100 · Stain-Free, 3-Component Epoxy Tile Grout

Special purpose epoxy tile grout — a 3 component grout comprising resin, hardener and filler powder (the colour component). Very suitable for ceramic tiles, vitrified tiles, marble & granite stone and glass mosaic tiles in stain prone areas such as kitchens, bathrooms, hospitals, hotels, restaurants and water bodies.

ISO 13007-3 (RG) EN 13888	3 COMPONENT KIT RESIN + HARDENER + FILLER	1 / 5 / 10 KG UNITS	INTERIOR & COVERED EXTERIOR
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FEATURES & BENEFITS	SUBSTRATES
• Stain-free • Colour fast • Easy to clean • Chemical and temperature resistant • Non-cracking or powdering • Anti-bacterial and anti-fungal • Water and shock resistant	• Ceramic tile • Vitrified tile • Glass mosaic tiles • Granite • Marble • Metal tiles • Agglomerates (engineered stones) • Precast terrazzo tiles

Application — Stain-free epoxy grout for interior & covered exterior floor & wall. Designed especially for the 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.

WORKING PROPERTIES — at 70°F (21°C)

Pot Life	Foot Traffic	Heavy Traffic
45 minutes	24 hours	72 hours

50-56 N/MM ² COMPRESSIVE	36-40 N/MM ² FLEXURAL	0.015-0.040 g WATER ABSORPTION	45 min POT LIFE
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ISO 13007-3 (RG) / EN 13888 — PERFORMANCE DATA

Property / Test Method	Requirement	Typical Value
Compressive Strength – standard conditions (ISO 13007-4, Clause 4.1.4; EN 12808-4)	$\geq 45 \text{ N/mm}^2$	50 - 56 N/mm²
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
Abrasion Resistance (ISO 13007-4, Clause 4.4; EN 12808-2)	$\leq 250 \text{ mm}^3$	Pass
Flexural Strength – standard conditions (ISO 13007-4, Clause 4.1.3; EN 12808-3)	$\geq 30 \text{ N/mm}^2$	36 - 40 N/mm²
Chemical Resistance	See chemical resistance chart	—

The grout mortar conforms to ISO 13007-4 (RG) / EN 13888. The mix density of STRONG BOND EG100 grout is 1710 kg/m³.

PACKAGING, COLOUR & SHELF LIFE

Property	Details
Packaging	STRONG BOND EG100 is a factory proportioned kit with Hardener (Part A), Resin (Part B) and coloured filler powder (Part C).
Units (net weight)	1/5th unit: 1.0 kg 1 full unit: 5.0 kg double unit: 10.0 kg
Colour	Choose from the range of colours available in Part C filler powder. Refer to the grout colour chart.
Coverage	Refer to the coverage chart, as it depends on the tile size, joint width and depth.
Shelf Life	2 years from date of manufacture, factory-sealed, if stored at temperatures above 50°F (10°C) and below 95°F (35°C) under a shed, away from direct sunlight.

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. If acid cleaners were used to clean the tiles, wash the area with plenty of water before commencing grouting. Substrate temperature must be between 60°F (16°C) and 90°F (32°C).

MIXING

Empty the entire contents of STRONG BOND EG100 Part A and Part B containers into a clean mixing pail. Mix with a margin trowel or slow speed drill mixer until the liquids are completely blended. Add at least 3/4 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 the entire contents of the bucket onto the working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work the grout into the tile joints. STRONG BOND EG100 grout can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with a grout float. Do not leave excess grout on the face of tiles.

CLEANING

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 minutes of application, scrub the surface of the tile and joint with clean water and the scrubber

provided to remove any excess grout. Then take a clean thick white towel and drag it 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.

IMPORTANT SITE CHECKS — NOTES TO THE SPECIFIERS

- Check the colour of the grout to confirm it meets the desired colour of the client.
- Do a small area with the actual tile/stone at site and check for any colour ingress. Many tiles/stones have high absorption, which may lead to discolouration / colour marks.
- Plan to provide proper movement joints and 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. Movements that occur 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 sunlight while applying.

DISCLAIMER

The information in this data sheet is based on our present knowledge and experience and is offered in good faith. Specifications are subject to change without notice. Results shown are typical values from internal test procedures; actual field performance depends on installation methods and site conditions, and should be verified by the user for the intended application.