

TOPGROUT - E70

Multi-component epoxy tile grout

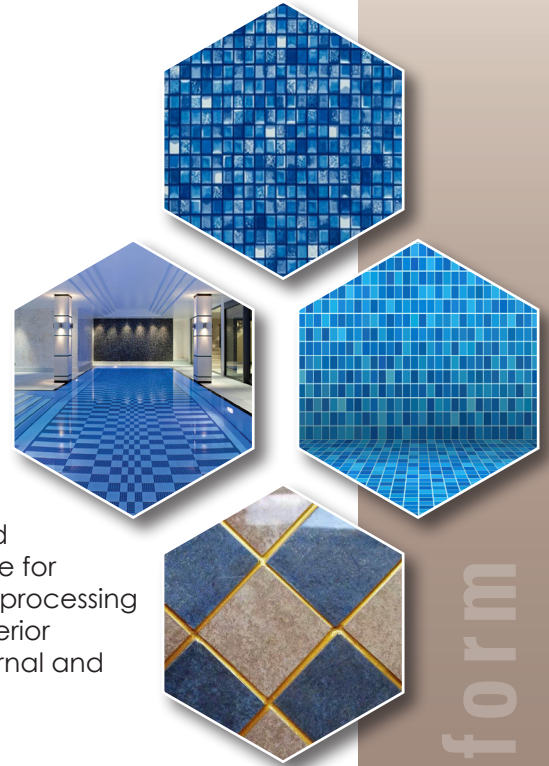
TOPGROUT E70 is a multi component epoxy tile grout based on a high grade epoxy resin system with superior chemical and abrasion resistance. TOPGROUT E70 is having high bond strength to concrete , steel , wood and other available substrates.

Advantages

- Meets SCAQMD Rule 1168 & LEED VOC Limits
- Solvent and Formaldehyde free
- Chemical resistance.
- Shrinkage free and high grab.
- Damp proof resistance and waterproof .
- Impact and vibration resistant.
- Excellent adhesion, Suitable for horizontal and vertical applications
- Resistant to staining and Cleans with water
- Meets LEED VOC requirements

Field Of Application

TOPGROUT E70 is a high strength material with no shrinkage, and suitable for grouting tiles in high abrasion, chemical resistance and immersed situations. TOPGROUT E70 suitable to use to grout the tile for residential and industrial floor and wall such as laboratories, food processing plants, hospitals, abattoirs, kitchen and swimming pool where superior resistance properties are required. TOPGROUT E70 suitable for internal and external applications and is impervious to water and other liquids.



Product Properties - Compliance : SCAQMD Rule 1168 , LEED NC2009 IEQ 4.1, ANSI A118.8

Solid content	100 %
VOC	Less than 25 g/L (Comply with LEED requirements)
Consistency	Gel paste
Mixture Density	1.7
Mixture Pot life	50- 60 minutes upon temp
Application temperature	5 to 45 °C
Open time	30 to 40 minutes upon temp
Correction time	60 to 70 minutes upon temp
Setting time	12 hours
Ready to use	24 to 72 hours

Performance – Min 7 Days Cure

Properties	Value	Standard
Bond strength	5 N/mm ²	EN 12003
Tensile Strength	18 N/mm ²	ASTM D 412
Flexural strength	60 N/mm ²	EN 12808-3
Compressive strength	70 N/mm ²	ASTM C579-75
Resistance to chemicals	Excellent	
Resistance to solvents, Fuels and oils	Excellent	
Water Absorption	Nil	
Service temperature	-20 °C	100 °C

engineered to perform

Chemical Resistant –Acids

Excellent to Citric Acid, Tartaric Acid, Nitric Acid, Formic Acid, Lactic Hydrochloric Acid, Sulphuric Acid etc.

Chemical Resistant –Alkalis

Excellent to Ammonia in solution, Caustic soda, Chlorine, Sodium bisulphite, Potassium hydroxide, Potassium permanganate

Coverage. Kg/sq.m

Tile Size (mm)	2mm Joint	3mm Joint	4mm Joint
25X25X6	1.9	2.8	5.6
50X50X6	0.8	1.2	2.4
100X100X10	0.8	1.1	2.2
200X200X10	0.4	0.6	1.2

Colour: Available in different RAL colours

Packaging : 3, 5 & 10 Kg Set. Larger packs available upon request.

Shelf Life

Store in dry conditions between 5°C to 40°C. The shelf life is 12 months when unopened and stored correctly.

Installation Guidelines

TOPGROUT E70 provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Substrate Preparation

The tile joints must be clean, free of any contamination.

Mixing

Mix components together thoroughly with a slow speed drill for 2 to 3 minutes (max 400 R.P.M.) and continue mixing until homogeneous. Packs can be split if suitable weighing and measuring equipment is available at the job site. Where multiple small areas are to be grouted, transfer the mixed grout to clean buckets and distribute to the grouting teams to allow them to use the product within 45 minutes.

Grouting

TOPGROUT E70 should be applied after 12 hours but within 24 hours after application of the tile adhesive. This will help ensure uniform stress distribution at the bond line and maximum bond. Apply using a rubber grouting spatula or trowel, taking care to ensure that is well compacted into the joints. Excess material should be removed immediately from the tile surface using a damp cloth or sponge.

Joints

Ensure that movement and perimeter joints are incorporated as per the relevant Code of Practice.

Cleaning

Clean all tools and equipment immediately with OrgaCLEAN or any suggested cleaning agent

Health and Safety This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained from support@organixbs.com



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