



6.05 FAST EPOXY TILE GROUT

High Strength Flow-able Epoxy Grout

PRODUCT DESCRIPTION

FAST Epoxy Tile Grout is a three component epoxy tile grout comprised of a 100% solids epoxy resin blend and a proprietary aggregate blend designed to produce exceptional flow, high strength and chemical resistance. It is formulated to withstand dynamic loading, high bearing and is easier to place in narrow configurations and between the ceramic tiles.

USES

- Placements requiring high vibration and temperature Resistance, extreme thermal variations or maximum bearing support.
- Under large or wide base plates, in narrow tolerance
- Dynamic loading conditions.

ADVANTAGES

- Excellent flow
- Maximum bearing support
- High strength yet fast curing for minimum downtime
- Exceptional resistance to temperature fluctuations
- Excellent flexural, tensile and shear strengths
- Resistant to many corrosive chemicals and oils
- Withstands prolonged elevated temperatures
- Abrasion resistance exceeds that of concrete

MIXING

Mix the base & hardener using a slow speed paddle for a minimum of 5 minutes, then add clean filler or aggregate. After all the aggregate is added, scrap down the sides if the mixer. Mixed product should be used within 25 minutes.

TECHNICAL DATA

The following data was acquired under laboratory conditions and was performed on seven day old samples.

Color-mixed	Gray/White
Pot Life at 77F° (25°C)	30 -40 min
Viscosity of mixed grout	Fluid
Compressive Strength (ASTM C-109)	psi MPa
Shear Strength	3000 20.62
Flexural Strength (ASTM D-790)	2900 19.94
Tensile Strength (ASTM C-109)	2300 15.81 N/mm ²
Water Absorption (ASTM C-276)	0.025%
Linear Shrinkage (ASTM D-531)	0.000510 in/in
Coefficient of Linear Thermal Expansion	72F°-210F° (22°-99°C) 3.5 x 10-5 in/in/°F
Bond to Concrete	Excellent
Chemical Resistance	Excellent
Special requirements evaluated upon request	

DIRECTIONS

SURFACE PREPARATION: Proper surface preparation is the most critical step in successful epoxy tile grout placements. All concrete and tile surfaces must be clean and free of all dust, dirt, oils, grease, form release agents, curing or sealing compounds and any other contaminants that could adversely affect bond. Tile/block spaces should be roughened with a wire brush or rotary brush hammer. Surface must be cleaned to bright, shiny surface. All machine oils, mill scale, grease, paints or other contaminants must be removed. Protective epoxy coatings do not necessarily have to be removed. Consult FastChem technical services department for specific requirements. Immediately prior to grout placement, vacuum or use oil free compressed air to remove any remaining dust or dirt.



FastChem Technologies

The Fast Chemistry for Construction

CURING

FAST Epoxy Tile Grout is self-curing.
Coverage/yield: 8.75 liters/17.5 kg pack

PACKGING

Per unit 1 caton containing resin & hardner-
1X17.5 kg bag containing aggregate.

CLEANING

Clean tools and equipment with FAST 103
Solvent, xylene or MEK.

STORAGE

Store unmixed components in tightly closed
containers, away from direct sunlight or
sources of heat. Shelf life of properly stored,
unmixed material is one year from date of
manufacture.

LIMITATIONS

- Do not add water to any of the components.
- Do not use over frost or frozen concrete
- Do not use over concrete less than 28 days old
- Do not place grout if ambient or substrate temperature is below 60°F (15.6°C).
- Excessively hot temperatures increase initial flow but reduce pot life significantly

CAUTIONS

Corrosive Liquid: Corrosive to eyes. Causes skin irritation, sensitization or chemical burns. Respiratory tract irritant. Use with adequate ventilation. Do not take internally. Keep out of reach of children. Wear protective gloves and safety glasses or goggles. All label precautions and MSDS must be fully understood before using this product

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

FastChem Technologies (Pvt) Ltd. Pakistan
Head Office Lahore:
20-A. Commercial Area Pak Arab Housing
Society Lahore.
Tel: 92(42)35803536 Mob: +92-322-4321261



المكتب للشرق الاوسط
٤٠٤، سوق، البحر، برج الخليفة،
دبي، متحده عرب الامارت،
رقم البريد: ٤٨٧١٧٧

Website: www.fastchemtechnologies.com, Email: info@fastchemtechnologies.com