

POWER EPOXY TILE GROUT

Three Component, acid resistant epoxy jointing grout.
High Strength Flow-able Epoxy Grout.



PRODUCT DESCRIPTION

Power 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.

ADVANTAGES & BENEFITS

- 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 Oil
- With stands prolong elevated temperatures
- Abrasion resistance exceeds that of concrete

PACKGING

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

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.

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

DIRECTIONS OF USE

Surface Preparation: Proper surface preparation is the most critical step in successful Power 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 Power 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.

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.

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

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.

TYPICAL PROPERTIES

CATEGORY	PARAMETERS		
Color-mixed	Gray / White	Tensile Strength (ASTM C-109)	2300 Psi, 15.81 Mpa
Pot Life at 77°F (25°C)	30 —40 min	Water Absorption (ASTM C-276)	0.025%
Viscosity mixed grout	Fluid	Linear Shrinkage (ASTM D-531)	0.00051 in/in
Compressive Strength (ASTM C-109)	13000 Psi, 89.37 Mpa	Linear Thermal Expansion	72F°-210F° (22°-99°C) 3.5 x 10-5 in/in/°F
Shear Strength	3000 Psi, 20.62 Mpa	Bond to Concrete	Exceeds tensile & shear strengths of normal weight
Flexural Strength (ASTM D-790)	2900 Psi, 19.94 Mpa	Chemical Resistance	Excellent

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



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