

TECHFIN POURABLE GP EPOXY

HIGH STRENGTH POURABLE EPOXY GROUT

DESCRIPTION

TECHFIN POURABLE GP EPOXY is a high strength, low viscosity, solvent free, self-leveling, three component, fluid epoxy resin grouting compound formulated to withstand static and dynamic loads in a wide variety of applications. TECHFIN POURABLE GP EPOXY is suitable for an application thickness range of 10-80mm. The product is easily mixed on site to a pourable consistency.

APPLICATIONS

- Crane and transporter rails
- New and old machine base plates
- Structural filling of holes and cavities in concrete, steel reinforcement
- Industrial equipment and machinery subjected to static and dynamic forces
- Equipment where chemical and acid spillage occurs
- For grouting floor bolts, bridge bearing pads and anchoring

ADVANTAGES

- No priming required
- Good flow properties
- Long pot life
- Non-shrink
- Damp tolerant
- Quick installation and development of strength
- High tensile, flexural and compressive strength
- Excellent adhesion to steel and concrete
- Low exothermic reaction
- Excellent mechanical properties
- Good chemical resistance

TECHNICAL DETAILS

VOC : Zero
 Practical Cure: 24 hours
 Full Cure: 7 days
 Colour: Natural (mixed)
 Mix Ratio: Mix as supplied
 Coverage: 1L/m² per mm thickness
 Thin Film Set Time: 12 hours
 Pot Life: 30 minutes (at 25°C)
 Temperature range: 5 - 35°C
 Chemical Resistance :
 Resists aggressive cleaning materials, dilute acids, alkalis.

Compressive Strength at 25°C:

Cure Time	8hrs	24hrs	7days	14days
MPa	10	50	65	70

Flexural Strength	25°C	28MPa	7 Day
Tensile Strength	25°C	17MPa	7 Day
Bond strength	25°C	>1.5MPa	7 Day

PACKAGING

TECHFIN POURABLE GP EPOXY is supplied in 3.5L kits consisting of 3 components

DIRECTIONS

As with all epoxy resin applications the quality of the surface preparation has direct effect on the product performance and durability. Concrete surfaces should be sound, clean, free from laitance, paint, oil, grease, mould release agents and residual curing compound. A rough surface is preferable. Metal surfaces or components to be bedded should be free from any rust, scaling or paint and preferably shot blasted.

MIXING

Mix entire contents of the kit together, taking care not to entrain air. Mix the hardener (Part B) into the resin (Part A) for a period of 3 minutes with a mechanical mixer or a slow speed electric drill (max. 600rpm) until a smooth uniform colour is obtained. Then add the aggregate (Part C) component and mix for an additional 2 minutes until a homogenous mixture is obtained. Avoid aeration while mixing. Pour the contents into the area to be grouted and allow curing before subjecting to stresses. Mix only the amount that can be placed in the product working time.

PLACING

Place immediately after mixing, into the prepared area in such a manner that it has the shortest distance to flow. For long pours a suitable head of pressure may be required. Ensure the area to be grouted is not completely sealed and any displaced air may be expelled. Pour continuously from one side only.

WATCH POINTS

- Avoid heat buildup and use as soon after mixing as possible.
- Cure is retarded by low temperature.
- Wear protective clothing and gloves.
- Clean all equipment immediately after use with Solidkote 505 Epoxy Thinners.

Gauteng

Kwa-Zulu Natal

Western Cape