

TECHFIN POURABLE GP EPOXY

Pourable Epoxy Grout

Techfin Pourable GP Epoxy is a high strength, medium viscosity, solvent free, self-levelling 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 - 100 mm. The product is based on a long pot life, low exothermic epoxy resin system with graded silica filler. The product produces a fluid consistency high performance grout.

BENEFITS:



No priming required.



Good flow properties.



Long pot life.

Quick installation and development of strength.



Non-shrink.



Damp tolerant.



Good chemical resistance.



High tensile, flexural and compressive strength. High mechanical properties.



Excellent adhesion to steel and concrete.



Low exothermic reaction.

TECHNICAL DETAILS

Appearance	Amber liquid
Components	3
Mix Ratio	As supplied
VOC	0 g / L
Practical Cure	24 hours
Full Cure	7 days
Pot Life @ 25°C	60 minutes
Application Temperature	5 - 35 °C
Chemical Resistance	Acids & alkalis

Compressive Strength:

8 Hours	10 MPa
24 Hours	50 MPa
7 Days	65 MPa
14 Days	70 MPa

Flexural Strength	28 MPa
Tensile Strength	17 MPa
Bond Strength	> 1.5 MPa

PACKAGING

3 Part - 6.62 kg	3.4 L
3 Part - 13.34 kg	6.8 L

Larger kits available on request

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, bearing pads and anchoring

WATCH POINTS

- Do not split kits.
- Mix entire kit as supplied.
- Cure is retarded by low temperatures
- Wear protective clothing and gloves.
- Clean all equipment immediately after use with Solidkote 505 Epoxy thinners.

DIRECTIONS

As with all epoxy resin applications the quality of the surface preparation has direct effect on the product performance and durability. Concrete repairs must be square cut, minimum 10 mm depth and all damaged concrete removed. Surfaces should be sound, clean, free from laitance, paint, oil, grease, mold release agents and residual curing compound. A rough textured surface is mandatory. Metal surfaces or components to be bedded, should be free from any rust, scaling or paint best prepare mechanically by wire brushing power tool.

MIXING

Using a mechanical mortar mixer and suitable mixing vessel combine the base and activator for 1 minute. Then while mixing add the aggregate and mix for a further 2 minutes. Scrape the sides of the mixing vessel to ensure a homogenous mix results.

PLACING / POURING

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. Pour the contents into the area to be grouted and allow curing before subjecting to stresses.

THREADED RODS & DOWELING

For smaller voids, rods and dowels, mix the supplied resin and hardener together for 2 - 3 minutes without adding the aggregate portion. Pour the mix to fill $\frac{1}{3}$ of the drilled hole before inserting the rods. Additional product may be poured once dowels inserted to ensure the void is completely filled.

HEALTH AND SAFETY:

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.