

TECHFIN CRACK INJECTION

Epoxy Resin Based Crack Injection Compound

Techfin Crack Injection is a two component crack injection fluid for sealing cracks, filling cavities and voids in concrete and stopping water ingress. Techfin Crack Injection compound is a high strength, low viscosity, pourable epoxy compound capable of penetrating even the finest of cracks and forming a solid bond.

BENEFITS:



Low viscosity, will penetrate deeply into cracks and cavities.



Long pot life.



High compressive strength.



Non-shrink.



Tolerant of damp surfaces.



Excellent adhesion to concrete.



Will resist hydrostatic pressure and block penetration of deleterious substances.



Excellent chemical resistance to sewage, sea water, alkalis, dilute acids, ammonia, formaldehyde, mineral and vegetable oils, animal fats and corrosive gasses.



Solvent-free.

TECHNICAL DETAILS

Colour	Clear
Thin Film Set Time	12 hours
Mix Ratio	Mix as supplied
S.G.	1.05
Temperature Range	5 °C - 30 °C
Pot-Life	> 1 hour
Permeability	Impermeable
Practical Cure	24 hours
Full Cure	7 days

PACKAGING

Techfin Crack Injection is supplied in 2 L kits for ease of use.

APPLICATIONS

Repair and sealing of various types of concrete cracks including static, limited movement cracks (live) and where there is water ingress or leakage. Provides structural repairs to cracks and damaged concrete structures such as columns, beams, floors and bridge decks. May be used as a casting and encapsulation compound.

DIRECTIONS

All surfaces should be sound, oil free, clean and free of surface moisture. Concrete surfaces must be laitance free and smooth surfaces to be abraded. Mix the entire contents of the kit together, taking care not to entrain air. Pour or pump the contents into the area to be repaired and allow curing before subjecting to stresses. If the compound is to be pumped the following procedure may be used:

- Clean crack and bond on injection nipples using **Techfin GP Epoxy**.
- Seal crack with **Techfin GP Epoxy**, ready for injection, allow to cure overnight.
- Inject **Techfin Crack Injection**. After set (± 12 hours) remove nipples and close holes.

Please request more information from our technical sales representative if required.

WATCH POINTS

Cure is retarded by low temperature and accelerated by high temperatures. Clean all equipment immediately after use with lacquer thinners.

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 Act 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.

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