

GrecoFill

Low viscosity and long pot-life crack injection resin

Description

GrecoFill is solvent free system with low viscosity, long working time and water tolerance designed for tropical condition.

Uses

The intrinsic performance of **GrecoFill** is the low viscosity and fast setting that ease the application in tropical condition when grouting fine hairline cracks in concrete structure, sealing water leakages and anchoring.

Advantages

- Solvent free system
- Low viscosity
- Long pot-life
- Good adhesion to damp substrate

Typical properties

| | | | | |
|-------------------------|---|---------|---|----------|
| Properties | : | Base | : | Hardener |
| Colour | : | Pale | : | Amber |
| Mix ratio | : | 3 | : | 1 |
| Specific gravity of mix | : | 1100 | | |
| Viscosity of mix, cps | : | 250-350 | | |

Mix performance of base and hardener

@ 7 days

| | | |
|---------------------------|---|--|
| Pot-life | : | 90 mins @25°C |
| ASTM C881M | | |
| Compressive strength | : | 60 N/mm ² |
| ASTM C579 | | |
| Flexural strength | : | 30 N/mm ² |
| ASTM D790 | | |
| Tensile strength | : | 20 N/mm ² |
| ASTM C307 | | |
| Bond strength to concrete | : | >2.5 N/mm ² concrete failure |
| ASTM C882M | | |

Applications

Ensure the concrete structure to be treated is structurally sound and crack areas are free from laitance, dust, oil, grease, loose particles and other contaminations that will affect the final performance.

GrecoFill crack injection resin can be applied using injection packers or by mechanical pumps. Injection ports are placed at intervals dependent on the complexity of the design. It is recommended to use epoxy adhesive to bond the injection ports and mask the crack surface of the concrete substrate. Allow sufficient time for the epoxy adhesive to cure before crack injection application.

Mix the base and hardener in a container thoroughly. Recommend a minimum of 4 bar injection pump to monitor the resin into the cracks. This system is fast setting and critical to note the temperature and balance the amount to be mix and dispensed. For horizontal crack repair, start with the widest crack and for vertical crack repair is from the lowest point upward. Leave the ports to cure for 24 hours prior to removal.

Coverage

The amount is dependent on the width and depth of the crack areas inclusive of substrates porosity and surface area.

A general guide is approximately 1kg per 2.5-3.5m length.

Packaging

Available in 5 and 20kg pack. Others sizes are available upon request.

Cleaning

Clean immediately after use with thinner. Hardened material can be removed mechanically.

Storage

Material should be stored in original packaging away from heat and temperature not below 10°C

Precautions

Wear protective clothings, gloves and goggles. Epoxy Base is considered an irritant and the hardener is corrosive. Handle with care and in the event of eyes and skin contact, wash with plenty of water and seek medical attention if irritation persists. Refer to MSDS. Good ventilation is required and allow minimum of 24hours before removal of injection ports.



Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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