



PACTOGrout 710 PCT

Epoxy Pile Treatment and Waterproofing System

DESCRIPTION

PACTOGrout 710 PCT is a three component, solvent free epoxy resin system for pile encapsulation, treatment and waterproofing. It is supplied in a pre-weighed ready to use kit with high fluidity for ease of application.

TYPICAL USES

PACTOGrout 710 PCT is a high strength epoxy resin system designed for the encapsulation of pile tops and to provide water tightness. The product bonds to the pile surface and stops water seepage through both capillaries and along reinforcement. The product is compatible with most of torch on, self adhesive and liquid applied waterproofing membranes. It can also be used as pourable epoxy patch repair material.

ADVANTAGES

- Solvent free and shrinkage free
- Rapid hardening
- Ready to use
- High mechanical strength
- Curing is not affected by high humidity
- Impact and vibration resistant
- Long service life
- Pile top integrity maintained
- Excellent adhesion
- Unaffected by a wide range of chemicals, acids, alkalis and ground water

PACKAGING

12 ltr and 20 ltr set

TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Component		Three : Part A - Base Part B - Hardener Part C - Filler
Form		Flowable Mortar
Colour		Black
Mixed Density	ASTM D1475	2.10 kg/ltr +/- 0.10
Potlife		45 +/- 10 mins
Compressive Strength	BS 6319-2	> 75 N/mm ² at 7 days

PROPERTY	TEST METHOD	VALUE
Flexural Strength	BS 6319-3	25 N/mm ₂ at 7 days
Tensile Strength	BS 6319-7	15 N/mm ₂ at 7 days
Bond Strength	ASTM D4541	> 2.5 N/mm ₂ at 7 days
Solid Content	ASTM D1475	100% (Solvent free)
Application Temperature		- +5°C to +40°
Water Penetration	BS EN 12390-8	Nil

APPLICATION INSTRUCTION

SURFACE PREPARATION

Surfaces should be dry, clean, and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Key surfaces by hacking to ensure good bonding. Concrete surface should be repaired and made fair faced using PACTORep FC/FCF/HB before laying of PACTOGrout 710 PCT. Steel surfaces should be grit blasted or wire brushed. Exposed rebar should be cleaned by suitable means and protected with PAC Zinc rich epoxy primer.

MIXING

Empty the entire contents of hardener into the base container and mix thoroughly with a slow speed heavy duty drill for 1 minute. Slowly add the filler into the mixed epoxy resin and continue mixing until a uniform mix is achieved.

APPLICATION

Formwork should be leak proof. Place the material within the pot life of the product and spread evenly over the entire surface by mechanical means. Ensure continuous placement of material.

APPLICATION THICKNESS

10 - 75 mm in single layer



COVERAGE

0.2 m²/ltr at 5 mm thickness

LIMITATIONS

At high temperatures **PACTOGrout 710 PCT** will have a very low pot life. It should not be used if there is running water during application or before setting of material. Part mixing of material should be avoided.

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

EQUIPMENT CLEANING

Clean all equipments and tools with PAC Cleaner immediately after use. Hardened material can be removed mechanically.

HEALTH AND SAFETY

PPE's: Gloves, goggles and suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

Hazard : It is not readily flammable, but combustible. It is regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. To be disposed off as per local rules and regulations.

For additional information pls. refer to MSDS, available on request.



P.O. Box no 282 676 Dubai-UAE
Tel: +971 4 885 0 886
Fax: +971 4 885 0 887
Visit us: www.pactechnologies.ae

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