

Dr. Fixit Unigrout EP 707



FREE FLOWING EPOXY GROUT

Description

Dr. Fixit UniGrout EP 707 is a high performance epoxy grout for application between 10-100 mm. Dr. Fixit Unigrout EP 707 has high compressive and tensile strength, thermal stability, water & chemical resistance, very high bond strength and chemical resistance properties.

Typical Applications

- High load crane base plates.
- Machine base plates.
- Pile head waterproofing.
- Ground anchors.
- Applications subject to high dynamic forces and chemical attack.
- General repair to damaged concrete.

Features

- Self-priming.
- Strong adhesion.
- Non-shrink.
- Rapid strength gain.
- Good chemical resistance.

Packaging

15 kg set (three components).

Method of Application

1 SURFACE PREPARATION

- Concrete surfaces should be sound, stable, clean and free from laitance, paint, oil, grease and any residual mold release agents and curing compounds.
- An abraded or profiled substrate surface is preferable. Metal surfaces should be free from any rust, scaling or paint and abraded to reveal clean, bright metal.
- Any formwork (if used) should be wrapped in polythene to ensure a clean release after grouting.
- Seal the formwork joints using a suitable sealant to prevent leakage of Dr. Fixit Unigrout EP 707 through the joints.

2 MIXING

- Add the resin and hardener components to a suitable sized container and mix with a slow speed rotary mixer or drill with a paddle stirrer at 250-300 rpm for 3 minutes until homogenous.
- Add aggregates in a controlled manner and continue mixing until a free flowing pourable consistency is achieved.

3 APPLICATION - INJECTION PROCEDURE

- Immediately after mixing, pour the grout into the prepared area through a suitably sized funnel if necessary. Ensure the shortest possible distance for the material to flow by using several access points if possible. For longer distance grouting a suitable head pressure is required.
- Provide air vents so to allow air to be expelled to prevent voids.
- Allow the grout to set for approximately 6 hours before removing formwork.
- Where placement exceeds grouting height of 100 mm, it is recommended that application should be carried out in multiple layers. The second layer should be applied after approximately 6 hours but within 24 hours to ensure optimum inter-coat bonding.

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4 CLEANING

- Clean tools and equipment with Rok Thinners No.1 immediately after use and before the material hardens.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Specific Gravity, Kg/Ltr		1.9 +/- 0.05
Pot life@ 40°C, minutes		25 - 30
Pot life@ 25°C, minutes		50 - 60
Curing period @ 25°C, days		7
Curing period @ 40°C, days		3
Pull off Strength, N/mm ²	BS 1881, Part 207	2.5 - 2.8
Hardness, Shore D	ASTM D 2240	80 - 85
Compressive Strength, N/mm ²	BS 6319 Part II, 1983	80 - 90
Flexural Strength, N/mm ²	BS 6319 Part III, 1983	20 - 25
Tensile Strength, N/mm ²	BS 6319 Part VII, 1983	10 - 15
VOC Content		Nil

Theoretical Coverage

15 kg pack will yield 7.5 ltr (0.0075 m³) of grout.

Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

Health and Safety

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for Further information.



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