

Dr. EpoGrout 75

High Strength Flowable Epoxy Grout

Description

Dr. EpoGrout 75 is a solvent free, three-component free flowing superior epoxy grout. It is consisting of base (A), hardener (B) and selected aggregates (C). When mixed together, the product becomes self-leveling, free flow grout. It is designed for grouting of gap widths up to 150 mm. **Dr. EpoGrout 75** mainly used where high bearing, chemical resistance and mechanical strengths are required in areas with static and dynamic loads.

Applications

Dr. EpoGrout 75 is used for free-flowing grouting applications where mechanical properties and chemical resistance requirements of the mixed grout are of high priority and this includes:

- The product is used in heavy machinery, equipment or structural elements needing maximum bearing support.
- Large or wide plates requiring precision grouting.
- Pile cap waterproofing sealing.
- High vast lighting bases.
- Crane tracks.
- Bridge bearings
- Tie rods
- Starter bars
- Crash barrier posts
- Starter bars
- Fasteners
- Narrow clearance situations including anchor bolts.

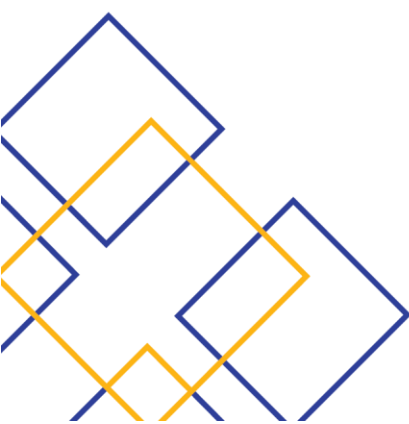
Characteristics

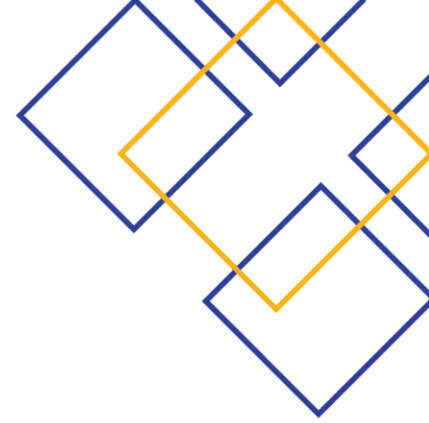
- Pre-packed, easy to mix and apply.
- Shrinkage compensated.
- High compressive strength and impact resistance
- Excellent bonding to concrete
- Excellent flow characteristics and self-compacting.
- Impermeable and durable.
- Resistance to water and chloride intrusion in aggressive environments.
- High vibration resistance
- Suitable for use in hot and tropical climatic conditions.

Technical Properties

Appearance	Grey flowable resin
Wet Density	2,000 Kg/m ³ approx.
Pot life	60 min
Co-efficient of thermal expansion	5.65X10 ⁻⁵ /°C
Effective bearing area	>85%
Compressive strength	≥75 N/mm ² @ 7 days
Flexural Strength	25 N/mm ²
Tensile Strength	10 N/mm ²
Chemical resistance	Very good
Abrasion resistance	Higher than concrete
Impact resistance	Higher than concrete

* All values are subject to 5-10% tolerance





Standard Compliance

- ASTM C579 & C531
- ASTM C580 & C1339
- ASTM C307
- BS 6319

Application Procedure

Surface Preparation

The concrete surface and base plates must be stable as well as free from dust, oil, and grease. Substances reducing the adhesion strength must be removed. Concrete must be cured for a minimum of 21 days. Steel bars should be free of rust. Sand blasting or grinding is recommended. Cleaned surface should be protected using. Use compact and inflexible formwork, avoid any dehydration by presoaking or by applying an appropriate release agent.

Mixing

Start mixing by pouring hardener B into base A, the two components must be well mixed to ensure proper chemical reaction. Use a slow speed drill fitted with suitable paddle to mix the product at low number of turns (200 – 300 rpm). Mix for few minutes till a homogeneous mixture is obtained, then add component C (filler/aggregate) and mix for 2 – 3 minutes until you get a uniform color mixture.

Dr.EpoGrout 75 is supplied in a pre-measured packing. Partial mixing should not be allowed under any condition.

Application

Place the grout immediately after mixing into the prepared area in such a manner that the grout has the shortest distance to flow. Pour **Dr.EpoGrout 75** continuously maintaining a constant hydrostatic head wherever possible. **Dr.EpoGrout 75** is suitable to use with most types of pumping equipment. Grout should be poured only from one side of the formwork to eliminate possible entrapment of air. Be careful to the formwork, if there is any leakage; close it by any type of sealant or any suitable way. Do not apply **Dr.EpoGrout 75** if the temperature is higher than 35°C or less than 5°C.

Yield / Consumption

15 Ltr/ 30 kg kit

Packaging

Dr.EpoGrout 75 is available in 30 Kg kit.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

