



**Green Build
Egypt**
Experience and Innovation

ULTRAGROUT EP

ألتر جراوت إي بي

High Performance, High Mechanical Properties, Flowable, Epoxy Grout

UltraGrout EP Technical Specifications

- Density : 1.95 gm/cc.
- Solid Content: 100 %.
- Pot Life: 35 min @ 30° C.
- Touch Dry Time: 6 Hours.
- Load Time: 36 hours.
- Compressive Strength: 75 N/mm².
- Flexural Strength: 32 N/mm².
- Tensile Strength: 16 N/mm².
- Bond Strength: 4 N/mm².
- Abrasion Resistance: 45 mg/1000 cycles.
- Initial Hardness: 24 hours.
- Full Cure: 7 days.
- Shore D Hardness: 80.

Application and Rates

- High flowability to ensure maximum filling ability and maximum load bearing.
- **UltraGrout EP** supplied in three-packs plastic packs Base, hardener, and filler weighing 24 Kg producing 12.5 litres.
- Applied easily by pouring into voids or under base plates.

Product Handling and Storage

- Store all material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an air- conditioned environment and protected from high humidity.
- The shelf life of the product is 24 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.



UltraGrout EP, the features:

- High performance epoxy structural grouting for various types of filling under base plates of machines, It provides high compressive strength, impact and chemical resistance.
- It is a durable. since it resists the various moderate chemicals and severe conditions.
- It is easy to mix, pour and fill all voids specially under machine base plates easily without complications .
- It is available in a convenient pack size to achieve high production rate.
- It is a solvent free material so it is 100% solids with maximum load bearing.

Application Procedure:

Surface preparation: Proper care should be taken while executing it. The surface should be dry, free of any cement laitance, oil and grease, curing compound and any other contaminants, which may affect the bonding. Light mechanical scabbling, grit/captive blasting or grinding is recommended for cleaning the surface of such contaminants. New concrete surfaces should be 28 days old and the moisture content on the



Applications

- **Filling structural voids to ensure maximum mechanical properties.**
- **Filling under machines base plates to get maximum load bearing.**
- **Anchoring of crane rails towers and dock sills.**
- **Pile head encapsulation to ensure water tightness.**
- **Where chemical resistance grouting application is needed.**
- **UltraGrout EP could be used to repair horizontal industrial floor areas.**
- **UltraGrout EP is used in Bridge bearing pads**

Health and Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

surface must be less than 5%. Refurbishment of existing or old floors must be done with a suitable repair mortar, in order to ensure that the bond between the old substrate and the new flooring system is very good.

Priming: on most new concrete surfaces priming may not be required. However for best adhesion, prime the prepared surface with **UltraPoxy Primer** @ 4-5m²/Kg. The Grout is applied when the primer is in a tacky to semi-tacky condition.

Mixing Pour part B (Hardener) into part A (resin) then mix for 1 minute using a slow speed drill fitted with a paddle. Then add Part C (Filler) into the mix thoroughly for 2 – 3 minutes to achieve uniform consistency pourable mortar. Apply immediately after mixing.



Application **UltraGrout EP** has to be poured to the base plate or voids , pour continuously until getting excess material from the top of the void or the other side of the base plate, a plastic or iron wire may be used to compact the material and release air voids from the mortar.

Cleaning Clean all tools & equipments with suitable solvent immediately after use. Hardened materials can be removed mechanically only.



www.greenbuildegypt.com

info@greenbuildegypt.com

<https://www.facebook.com/GreenBuildEgypt>

Customer Service: 01050240446/ 01114544492

LandLine: 02-28607233

51 First Industrial Area Badr City, Cairo, Egypt.

