

FIXGROUT EPO T (EPOGROUT T)



EPOXY BASED THIXOTROPIC GROUT

- Thixotropic (no sagging or leakage on vertical surfaces)
- No primer required
- High chemical resistance
- High compressive, tensile and bending strength

DESCRIPTION

FIXGROUT EPO T is a three component, epoxy based, solvent free, high strength thixotropic grout with special graded quartz-aggregate.

TYPICAL APPLICATIONS

- Bedding heavy machinery,
- Grouting machinery subject to high mechanical loads,
- Repairs on portal and tower crane beams and bases,
- Bridge bearings,
- Fixing steel columns on foundations,
- Fixing big cracks on construction elements and flooring,
- Solvent-free,
- Fixing various materials like concrete, stone and metal,
- As adhesive when placing connection rods on horizontal surfaces or during reinforcement anchorage and mounting,
- Creates a barrier effect and protects reinforcements against corrosion.

ADVANTAGES

- Non-sagging.
- No primer needed.
- High chemical resistance.
- High compressive and tensile strength.
- Creates a barrier effect and protects reinforcements against corrosion.
- Excellent adhesion between existing and fresh concrete.

TECHNICAL PROPERTIES

Colour: Grey

Appearance: Three component

Mortar Density: 1,90 ± 0,05 g/cm³

Application Temperature: +5 °C - +35 °C

Application Thickness: max. 30 mm

Pot Life: 30 min

Time Required To Be Operational: 24 hours

Service Temperature: +15 °C ile +80 °C arası

Compression Strength (EN 12190)

: > 40,0 N/mm² (1st day)

: > 65,0 N/mm² (28th day)

Bending Strength (EN 12190)

: > 10,0 N/mm² (1st day)

: > 15,0 N/mm² (28th day)

Concrete Bonding Strength (EN 1542): > 4,0 N/mm

Above given values are valid for 23 °C ve 50% relative humidity.

Reference Standarts

In accordance with TS EN 1504-6

Public Works Pos. No: 04.623/8-a

DIRECTIONS FOR USE

SURFACE PREPARATION

- Concrete surface should have a compressive strength of at least 225 kg/cm², cured for 28 days and contain a maximum humidity of 5%.
- As with all epoxy applications, the quality of surface preparation shall have a direct impact on durability and performance of the system.

- Surface should be clean and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- Metal surfaces should be rust free.

MIXING

- Components should be used in full packs and without changing applicable mix ratios.
- Add Component B into Component A, and mix for 3 to 5 minutes using a low speed mixer until a homogenous mixture is achieved.
- Add component C into the mixture and mix again for 3 to 5 minutes until the mixture is homogenous and ready for application.

APPLICATION

- Apply the grout by spatula or trowel. The minimum application thickness is 7 mm, and the maximum application thickness in a single layer should not exceed 30 mm.

WATCHPOINTS

- Do not apply below +5 °C and over +30 °C.
- Do not mix by trowel or hand.
- Working time gets longer at low temperatures and shorter at high temperatures.
- Protect from water for 24 hours.

PACKAGING

Component A: 3,2 kg container

Component B: 1,7 kg container

Component C: 15,1 kg container

CONSUMPTION

1.9 kg/m² for 1 mm. thickness

STORAGE AND SHELF LIFE

Store in a dry and humidity-free location. Shelf life is 12 months. Close after use.

HEALTH AND SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Wear protective clothing such as gloves and goggles during application. Please consult Material Safety Data Sheet (MSDS) for further information.

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