

FIXGROUT EPO F (EPOGROUT F)



EPOXY BASED, FLUID GROUT

- Self-leveling
- No primer required
- High chemical resistance
- High compressive, tensile and bending strength

DESCRIPTION

FIXGROUT EPO F is a three component, epoxy based, solvent-free self-leveling and high strength grout formulated with special graded quartz aggregates.

TYPICAL APPLICATIONS

- Bedding heavy machinery,
- Grouting machinery subject to high mechanical loads,
- Repairs on portal and tower crane beams and bases,
- Bridge supports,
- Mounting steel columns on foundations,
- Repairing structural large cracks,
- Solvent-free,
- As adhesive for fixing various materials like concrete, stone and metal,
- As adhesive for anchoring connection rods on horizontal surfaces.

ADVANTAGES

- Self-leveling.
- No primer required.
- High chemical resistance.
- High compressive, tensile and bending strength.
- Creates a barrier effect and protects reinforcements against corrosion.
- Provides excellent bonding between existing and fresh concrete.

TECHNICAL PROPERTIES

Colour: Yellowish

Appearance: Three Component

Mortar Density: 1,70 ± 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)

: > 50,0 N/mm² (1st day)

: > 75,0 N/mm² (28th day)

Bending Strength (EN 12190)

: > 15,0 N/mm² (1st day)

: > 20,0 N/mm² (28th day)

Concrete Bonding Strength (EN 1542): > 3,0 N/mm

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

Reference Standarts

In accordance with TS EN 1504-6

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DIRECTIONS FOR USE

SURFACE PREPARATION

- Concrete surface should have a compressive strength of at least 225 kg/cm² after 28 days of curing period 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 corrosion 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

- After all the components are mixed, place the grout in the direction of the flow from a single application point.
- Grouting should start from the lowermost elevation and continue until all the area is covered.
- An air hole should be left on the uppermost elevation allowing air to escape.
- Application thickness should be minimum 4 mm, and maximum 50 mm in single layer. For applications where thickness exceeds 50 mm, the application must be done in 2 layers. Wait 6 hours before proceeding with the second layer application.

WATCHPOINTS

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

PACKAGING

Component A: 3 kg container

Component B: 1.7 kg container

Component C: 15.3 kg container

CONSUMPTION

1.7 kg/m² for 1 mm thickness.

STORAGE AND SHELF LIFE

Store in a dry and humidity-free locations. Shelf life is 12 months. Close the can 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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