

TOP Fix EP

High Strength Epoxy Bedding and repair mortar

PRODUCT DESCRIPTION

TOP Fix EP is a thixotropic, solvent free Epoxy bedding mortar ideal for bonding a wide range of building materials to one another e.g. concrete, brick, metal, stone and wood. Top Fix EP has a high level of mechanical integrity and exhibits excellent bonding characteristics even under damp conditions. Top Fix EP is easy to mix and apply and requires no primer.

USES

- Repairing surface defects in concrete in horizontal, vertical and overhead applications
- Bonding of dowels, bolts and anchors into concrete
- Bedding of bridge beams or steel bridge bearings
- Rapid structural repair of concrete

ADVANTAGES

- High Strength
- Excellent adhesion to most building materials
- Bonds to damp substrates
- Low odour
- Non-slump
- Thixotropic nature facilitates application in both vertical and overhead locations
- Very good chemical properties and cohesive strength
- Resistant to water, weathering and a wide range of chemicals
- No primer required
- Creep resistant
- Easy to trowel
- Hardness without Shrinkage

TECHNICAL PROPERTIES

Color & Appearance	Grey
Bond Strength	>2.MPa(concrete failure)
Compressive Strength @ 7 days	70 MPa @ 25°C
Flexural Strength @ 7 days	20 MPa @ 25°C
Tensile Strength @ 7 days	12 MPa @ 25°C
Pot Life	50 minutes @ 25°C 30 minutes @ 40°C
Application Temperature	15°C - 35°C
Density Mixed	1.85 kg/l
Setting Time	12 hours@25°C

PACKING

TOP Fix EP is supplied in 6Kg kit.

COVERAGE

TOP Fix EP will have coverage of 3.2 liters. The coverage can vary depending on the surface condition.

STORAGE

12 Months in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost, Empty packs completely and dispose off carefully to protect our Environment.

APPLICATION PROCEDURE

SURFACE PREPARATION: Concrete substrates shall be sound, clean and free from dust, dirt, grease, oils, laitance and other contaminants. A roughened or profiled surface will ensure optimum adhesion. Mild steel and other metallic substrates shall be degreased, power wire brushed, or grit blasted and vacuumed free from dust. Other substrates shall be sound, clean and free from dust, dirt, grease, oil and any oxidized surface layer.

MIXING:

TOP Fix EP is The Base and Curing Agent components shall be thoroughly mixed together using a stiff spatula or a slow speed drill with paddle attachment until a uniform grey mixture has been produced.

APPLICATION

The application of **TOP Fix EP** is best achieved using a spatula, trowel, serrated trowel or stiff bristled brush depending on the area to be treated.

BONDING SURFACES TOGETHER

TOP Fix EP should be applied to each of the two surfaces to be bonded. The surfaces are then pushed together to achieve the required bond thickness. Excess adhesive should be removed and the joint protected from movement until the resin has set.

PATCH REPAIRS

Scrape or 'knife in' the **TOP Fix EP** and finish with trowel, palette knife or spatula.

Note: For more inaccessible areas, **TOP Fix EP** may be placed into empty cartridges and injected/'gunned' into place using a standard sealant gun.

CURING

TOP Fix EP will be hard dry following 6-8 hours cure @ 25°C. At higher temperatures this period will be reduced and at lower temperatures this period will be increased.

Allow 7 days for optimum mechanical properties and full chemical resistance.

CLEANING

All tools and equipment have to be cleaned immediately with lot of water & Solvent. It should be applied with gloves. When comes in contact with eyes or skin, should be washed with clean water and medical advice taken.

SAFETY PRECAUTION

Contact with skin and eyes should be avoided. Gloves should be used when handling these products. If contact with the resin occurs, wash immediately with a strong detergent or a resin removing cream. Eye contamination must be immediately washed with plenty of water and medical treatment sought.

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