

EPOFIX T

High Performance Epoxy Adhesive and Anchoring Material

Description:

EPOFIX T is a solvent free two component high strength epoxy adhesive. Once the two components are mixed, the product becomes easily applicable on both horizontal and vertical surfaces. It adheres perfectly to a variety of supports with excellent mechanical resistance. EPOFIX T hardens in a short time without shrinkage and emission of volatile substances.

Uses:

EPOFIX T is used for:

- Structural anchoring of steel rebar both horizontal and vertical application, with bearing loads.
- Gluing for natural or artificial stones, marble, granite.
- Gluing for most building material such as aluminum elements, artificial humps, corner guards, cat eyes, steel, directional signs, glass, timber, PVC
- Structural elements repair, if fast curing, high compressive strength is required
- Structural gluing of prefabricated concrete elements.
- Can be used for gluing of steel plates and to fill large cracks in industrial concrete floorings.

Advantages:

- Can be used to bond most common building material
- Applicable for rebar anchoring both vertical (EPOFIX-T) and horizontal (EPOFIX-F)
- Highly resistant to a wide range of chemicals
- Durable and water proof
- Easy to apply in both versions.
- Can be used for immersed applications
- High adhesion strength. Stronger than concrete cohesion strength.

Instructions for Use:

Mixing

Add the contents of Part B to the Part A container, mix carefully with low-speed mixer (200– 300 RPM) till homogeneous consistency mixture, free from lumps is reached.

Avoid partial mixing as any error in adding the right proportion may cause incomplete curing of the product.

Surface Preparation:

All surfaces must be sound, dry and perfectly clean. Loose particles, varnishes, traces of grease must be eliminated through sand blasting or brushing before the application of EPOFIX T. The following general remarks should be noted for surface preparation in different types of material:

- Concrete: supports must be cured for at least 21 days to avoid tension due to hydrometric shrinkage. It is advisable to apply a coat of ARMOPRIME EP100 – solvent free high performance epoxy primer on the porous supports before using EPOFIX T.
- Metals: Remove all signs of oil, grease. Abrade the surface and/or clean with acid etching.
- PVC: wipe with rag or cloth soaked with trichloroethylene.
- Timber: surface should be dry. Sand slightly and clean.
- Glass, Ceramic, Plastic: remove all signs of oil and grease using appropriate degreaser. Abrade the surface using emery paper or sand blasting.

Application:

Application as an Adhesive:

In order to achieve maximum adhesion between both surfaces, the mixed product should be applied to both surfaces in a thin even film with smooth spatula or trowel. After spreading the mix, join both elements and maintain them tight up to complete hardening of EPOFIX T.

Position the surfaces correctly immediately before adhesive in the joints starts to cure. Avoid excess

EPOFIX T

pressure to the joints in order to prevent the adhesive from extrusion. Any excess adhesive should be removed with a sharp knife.

Application as anchoring paste:

For vertical application:

Apply a sufficient amount of the mix to the rebar and insert to the vertical opening, allow the material to ooze, refill the opening with a smooth spatula to level with the surface in needed

For horizontal application, apply 1/3 of the EPOFIX T into the hole, insert the rebar and supplement to the edge if required.

Standards:

- EN 1504-6

TECHNICAL PROPERTIES	
Appearance	Dense paste
Color	Grey
Density@20°C	1.52 ± 0.03 kg/lit
Mixing Ratio by Weighing	1:1
Temperature of Application	+5°C to +35°C
Potlife Time of Mixture	>60 minutes
Water Absorption (ASTM C570)	<0.05%
Dry Residual	100%
Compressive Strength (ASTM C579)	77 N/mm ²
Tensile Strength (ASTM D412)	29 N/mm ²
Slant Shear Strength (ASTM C882)	35 N/mm ²
Compressive Modulus (ASTM D695)	20,000 N/mm ²

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

EPOFIX T achieves a coverage of approx. 1 square meter per liter at 1.0 mm thickness.

*Coverage rate indicated is an approximate value, and subject to actual site conditions.

Packaging:

EPOFIX T is supplied as a kit of two components in metal container of 1 & 4 Lt.

Storage and Shelf Life:

The product must be stored in dry covered shed at a temperature between 10°C and 30°C in original packing. If stored as above, the product will have a shelf life of 12 months.

Cleaning:

All the tools employed for the preparation and application of EPOFIX T must be cleaned with ARMOSOLVENT before hardening. Hardened material can only be removed mechanically.

Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
Skin: Wash skin thoroughly with soap and water
Inhalation: Remove to fresh air, keep patient rested
Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to EPOFIX T Material Safety Data Sheet.

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