

# EPOFIX FX

## High Performance Two Part Epoxy Polyurethane Flowable Adhesive

### Description:

EPOFIX FX is a highly versatile two-part elastomeric epoxy polyurethane adhesive suitable for binding, coating, sealing and casting. It readily cures at room temperature. The product is 100% reactive and does not contain any solvents. EPOFIX FX exhibits outstanding mechanical properties.

### Uses:

EPOFIX FX is used for

- 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, concrete, asbestos.

### Advantages:

EPOFIX FX is an easy to apply adhesive & features high strength bond. It exhibits:

- High substrate wetting characteristics
- Low Shrinkage
- Superior impact/ vibration resistance
- Stress absorption when bonding materials with different coefficient of thermal expansion.
- High mechanical properties for heavy duty limited movement application
- Flowable with long term durability.

### Instructions for Use:

#### 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 FX. 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 on the porous supports before using EPOFIX FX.
- 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.

#### Mixing:

Mix contents of component a separately for 2 minutes to make a homogenous mix. Then add the content of Part B to the Part A container mix carefully with low-speed mixer (200-300 rpm) till homogeneous mix, free of lumps is attained.

The sides and base of container shall be periodically scrapped with a scraper to ensure thorough mixing of the product.

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

#### Application:

In order to achieve maximum adhesion between the surfaces, the mixed product should be applied to both surface as a thin even film with smooth spatula or trowel. After spreading the mix, join both elements and maintain tight up to complete hardening of EPOFIX FX. For larger sections, mixed material should be slowly poured in the gaps, ensuring no air entrapment. Position the surface correctly immediately before the adhesive in the joints starts to cure. Avoid excess pressure to the joints in order to prevent the adhesive from extrusion. Any excess adhesive should be removed, and area to be cleaned.

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TECHNICAL PROPERTIES	
Appearance	Flowable Liquid
Color	Light Beige
Density @20°C	1.25 ± 0.03 kg/lit
Mixing Ratio by Weight	7:10
Temperature of Application	+5°C to +35°C
Potlife time of mixture @25°C	Approx. 60 minutes
Dry Residual	100%
Elongation (ASTM D412)	>100%
Tensile Strength (ASTM D412)	>5.0 N / mm <sup>2</sup>
Pull of Strength (ASTM D4541)	2.2 N/mm <sup>2</sup>
Shore A Hardness (ASTM 2240)	80
VOC	1.3 g/lit

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

## Coverage:

EPOFIX FX achieves coverage of approx. 1 square meter per ltr. at 1.0 mm thickness

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

## Packaging:

EPOFIX FX 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 FX 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 FX Material Safety Data Sheet.

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MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.

