

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 physical strength 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 a propiete 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, unite both elements and maintain tight up to complete hardening of EPOFIX FX. For larger sections, the 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 curve. 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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Packaging:

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

Consumption:

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

Storage:

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. For further information or particular use, contact MATEX Technical Department.

Health and Safety:

The product must be handled with care. Use gloves, protective cream and goggles to avoid contact with eyes and skin. In case of contact with eyes rinse abundantly with water and consult a doctor. EPOFIX FX can provoke irritations of the skin.

TECHNICAL PROPERTIES:	
Apperance	: Flowable Liquid
Color	: Light Beige
Density: @20°C	: 1.25
Mixing Ratio by weight	: 7:10
Temperature of Application	: +5°C to +35°C
Pot lift time of mixture @ 25°C	: Approx. 60 minutes
Dry Residual	: 100%
Elongation (ASTM D412)	: >100%
Tensile Strength(ASTM D412)	: >5.0 N / mm ²
VOC	: 1.3 g/Ltr.
Pull of Strength (ASTM D 4541)	: 2.2 N/mm ²
Shore A Hardness ASTM 2240	: 80

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

