

# MIXTEX FBR

Acrylic based micro fibre reinforced flexible elastomeric water-proof coating

## Introduction

**Mixtex FBR** is a single component; Acrylic polymer based micro fibre reinforced liquid waterproof coating. It is durable, flexible and has a high level of resistance to weathering agents like UV rays, sunlight, frost, rainfall etc.

Mixtex FBR consists of three layer system with one coat primer and two top coats right angle to each other to ensure proper buildup of thickness, making it a durable water tight coating

## Appropriation

Suitable for used on most RCC roofs for both slope and flat

Applicable on brick-bat-coba and all cementitious water proofing systems

Suitable for wet areas like, kitchen toilets where more flexibility is required

As a protective membrane for Polyurethane foam installation, concrete screeds and other acrylic coatings

Can be used to protect exposed reinforced concrete from carbonation & chloride attack

## Characteristics

Single component, suitable for internal and external application

Excellent adhesion to cementitious substrates

Very durable and flexible

Excellent resistance to weathering agents like UV, sunlight and rain

High tensile resistance and crack bridging property

Directly applicable on all plaster, concrete surfaces



## Technical Data and Properties

Standard conforms	BS: 476-3
Appearance	White/Grey Liquid
Density	1.2gm/cc
Solid Content	60% ± 2% by weight
Elongation at break	100%
Toxicity	Non Toxic
Adhesion Strength	0.9N/mm <sup>2</sup>
Application temp	10°C to 50°C
Service temp	50°C to 90°C
Resistance	Acid, Alcohol, Petrol, UV, Carbonation and Chloride ion

## Product Management

**Surface preparation:** All the substrates must be dry and free of dust, dirt, oil, grease and loose particles. Metal surfaces should be rust free. This can be achieved by wire brushing or grit blasting

**Priming:** A primer coat is required to seal the pores and stabilize the surface. Mixtex FBR with 20% dilution with clean water should be used as a primer coat. It will improve the bond strength of the coating. This can be applied by a brush, roller or spray

**Application procedure:** The primer coat should be allowed to dry completely before the application of Mixtex FBR. The drying time would be a minimum of 8 hours at 25 °C. Mixtex FBR can be applied by brush or roller, but is probably best applied using an air less spray. Apply a minimum of two coats with undiluted material @1 kg/ m<sup>2</sup> per coat. It is important to ensure that each coat has to be cured totally before applying the next coat. Prior to second coat, a close visual inspection of the surface should be made for any pin holes or surface irregularities.

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the construction chemist...

The second coat should be applied at 90° to the first, to ensure a full unbroken coating to the substrate. For improved results, a glass fibre mat (Mixmat) should be embedded into the first coat while it is wet on all corners and other critical areas. Clean all the tools with water after use.

Coverage: 1kg/m<sup>2</sup> per coat approximately (1200 microns DFT)

## Packing & Storage

Mixtex FBR is available in 20 litres packs. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixtex FBR should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

## Health & Safety

Mixtex FBR contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing PPE is recommended for maximum safety. Reseal all containers after use. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Mix product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



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