

# ShaliFix EM

Three Component Epoxy Mortar



STP Limited

## Description

**ShaliFix EM** (formerly known as ShaliMortar E) is a three component system consisting of an epoxy resin, hardener and selected graded filler. This system is tough and resilient when compared to concrete. It has excellent characteristics for floor repairs or re-surfacing. It is a 100% solid system, which is solvent free. **ShaliFix EM** mortar may be applied at thickness of 5 – 10 mm. It confirms ASTM C-811-90 Type II & IV, Grade 1, Class B & C

## Characteristics

Compressive Strength, mpa		Working Time, Minimum, 30 °C	30 – 40
• 1 day	40 - 50	Flexural Strength, mpa	25 - 27
• 7 days	70 - 80	Tensile Strength, mpa	14 - 16

## Chemical Resistance

**ShaliFix EM** is resistant to a variety of chemicals as given below

Acetic Acid	10%	Nitric Acid	25%
Ammonium Hydroxide	25%	Sulphuric Acid	10%
Caustic Soda	50%	Sulphuric Acid	50%
Citric Acid	10%	Lactic Acid	10%
Phosphoric Acid	50%	Hydrochloric Acid	10%
Saturated Sugar	50%		

## Application

- Warehouses
- Dairies
- Service Stations
- Chemical Plants
- Metal treating plants
- Machinery service areas
- Food processing and rendering plants
- Concrete runways
- Joint arises in highways

## Advantages

- Provides non-absorbent, non-dusting and chemical resistant surface.
- Dries in eight hours to allow foot traffic
- High tensile and high compressive strength
- Solvent free and no VOC complaint.

## Application Methodology

- Ensure that concrete should be at least 28 days old.
- Ensure that surface is sound and free from dust, laitance and other contaminants
- Remove any oil, grease etc by acid etching or by burning.
- Allow the surface to dry.
- Prime the textured surface by ShaliPrime 2E by brush or roller.
- Mix Comp B (Hardener) into Comp A (Resin) (**not the reverse**) thoroughly by using a drill mixer fitted with suitable paddle till a homogenous mix is obtained. After thoroughly mixing, add Comp C (Filler) and mix for additional 2 minutes or until all aggregate pieces are completely covered by the epoxy.
- Apply immediately.

## Cleaning & Maintenance

Clean all tools immediately after use with Xylene. Do not allow the material to harden.

## Health & Safety

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

## Packing

Available in 10 kg pack & ShaliPrime Epoxy HB in 12 kg pack (3 kg unit x 4),

## Storage

Store in a cool dry place, under shed, away from heat.

## Shelf Life

9 months in original unopened sealed conditions.

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