



PolyFix 3K EM

Three Component Epoxy Mortar

DESCRIPTION

PolyFix 3K EM 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. PolyFix 3K EM may be applied at thickness of 5 – 10 mm.

It confirms ASTM C -811-90 Type II & IV, Grade 1, Class B & C.

TECHNICAL DATA

Compressive Strength, Mpa		Working Time, Min	30 – 40 at 30 °C
1 day	40 -50	Flexural Strength	25 – 27 Mpa
7 day	70 -80	Tensile Strength	14 – 16 Mpa

CHEMICAL RESISTANCE

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%		

APPLICATIONS

Typical applications are:

- 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 resistance surface
- Dries in eight hours to allow foot traffic
- High tensile and compressive strength
- Solvent free
- Resists various acids (see list above)

APPLICATION METHODOLOGY

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

CLEANING AND MAINTENCE

- Clean all tools immediately after use with xylene. Do not allow material to harden.

HEALTH AND SAFETY

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

PACKAGING

Available in 10 kgs packs.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

SHELF LIFE

If stored in original unopened sealed under the above conditions, it has a shelf life of 9 months.