

ECAPRIME EI

Epoxy Resin based Primer/ Impregnator

Description

ECMAPRIME EI is two component, low viscous, solvent-based epoxy-impregnating primer having good penetration properties in concrete & cementitious substrates. It is designed with superior Epoxy Polymers to give impregnating priming on concrete surfaces with Polyurethane and Polyurea coatings.

Areas of Application

ECMAPRIME EI having good penetrating and adhesion properties is suitable for priming concrete surfaces & steel substrates prior to application ECMACOAT FLEX PU 40, ECMACOAT FLEX PU 60 2K, ECMACOAT FLEX PUR 10 and ECMACOAT FLEX PUR 20.

Advantages

- Easy application by Brush, Roller, or Spray
- Improves the adhesion of epoxy floors with PU toppings/Coatings
- Excellent surface penetration
- Economical

Surface Preparation

Before the Application of ECMAPRIME EI surfaces should be ground and cleaned properly to remove all dust and deposit particles. The surface should be free from oil, grease, paint residues, etc. ECMAPRIME EI can be applied by brush or roller and get a smooth surface for better bonding with PU toppings/Coatings.

Technical Specification

Physical State	Liquid (Pack A-Clear & Pack B-Light Amber)
Mixing Ratio, Pack A: Pack B	70: 30
Mixed Density at 27 °C	1.00 ± 0.05
Pot life at 27 °C, Minutes	>120
Application Temperature, °C	5 - 40
Overcoating Time	12-24 hours
Coverage Area	5-6 m ² /Kg/Coat Depending upon Surface
Appearance of Cured Film	Transparent
Bond Strength	≥1.5 MPa (concrete failure)

Mixing

Add the entire contents of the Hardener (Pack-B) to the Base (Pack-A) and mix thoroughly for 3-4 minutes until a homogeneous consistency is achieved, using a slow-speed drill (300-400 rpm) fitted with a suitable mixing paddle.

Application

Once mixed, the primer should be applied immediately in a thin continuous film on a clean and well-prepared surface. Apply the primer to the surface using a stiff brush or roller. It can also be applied using a Spray Gun.

Precautions

- Do not dilute with water or any solvent and do not apply on wet surfaces.
- Unused material should not be left open.
- Do not apply if rain is expected within 24 hours

Cleaning

Clean the equipment with a solvent like Xylene or use any other oil-based cleaning agent.

Packaging

5 Kg Kit

Shelf Life

12 months in original unopened sealed condition.

Storage & Handling

The material should be stored in a Cool and Dry shade at temperatures between 5-30°C and protected from Direct sunlight. Avoid stacking corrugated boxes and handle them carefully during transport.

Safety Precautions

Wear all PPEs at the time of application like Safety boots Safety goggles, Hand Gloves, Masks, etc., and avoid direct contact with Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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