



HIND EP PRIME 800

PRODUCT DATA SHEET

TWO COMPONENT SOLVENT BASED HIGH STRENGTH PENETRATIVE EPOXY PRIMER

DESCRIPTION

Hind EP Prime 800 is a two component modified epoxy resin primer, when both parts are mixed together gets cured into a hard mass. It is suitable for primer application on various substrates.

USES

Hind EP Prime 800 is used as a primer for Epoxy and Polyurethane resin systems, bonding old to green (fresh) concrete, coating of water tanks, pipes and other metal, concrete structures, filling of horizontal and vertical joints in concrete and epoxy mortar/putty binder.

ADVANTAGES

- Good mechanical properties.
- Low exotherm & long pot life.
- Excellent adhesion under wet & dry condition.
- Ability to cure in moist condition.

APPLICATION

Surface Preparation

All surfaces where **Hind EP Prime 800** is applied must be sound, clean, dry, free from oil, grease, cement laitance and all loosely adhering particles.

Mixing

Product Application

Part A - Resin and Part B -Hardener of the primer is to be mixed together as per recommended proportion. After mixing both the parts, the primer should be immediately applied in a thin, continuous film using stiff brush/ roller or trowel. Porous floors may require two coats of primer. Primer should be allowed to cure sufficiently, normally 6 -18 hrs. prior to application of subsequent topping.

PROPERTIES

Type of Compounds	Part A -Resin & Part B - Hardener
Colour & Aspect	Part A - (Modified Epoxy Resin), Pale Brownish clear Liquid Part B - (Polyamide Hardener), Brownish yellow clear to slight hazy liquid
Viscosity at 25 ^o C mPa s	Part - A (Resin) - 250-450, Part B-Hardener -2500-300
Mixing Ratio	Part A- (Resin) 100 parts : Part- B (Hardener) 50 parts by weight.
Pot Life	Mixed Material, 60 minutes approx. at 30 °C
Drying Time	Touch Dry - 6-8 hours
Recoating Time	12 -16 hours
Bond Strength ASTM D 4541	35 Kg/cm ² (Concrete Failure)

Note: Curing schedule for specimens: 15 days at room temperature (25°C - 40°C)

PACKING

Hind EP Prime 800 is available in 1.5 Kg, 6 Kg & 18 Kg Kit (Pack A & Pack B)

CLEANING OF TOOLS

Tools and equipment after use to be cleaned with thinner or suitable solvent. Cleaning should be done before the material starts to gel or harden.

SHELF LIFE & STORAGE

The shelf life of **Part A (Resin)** is **12 months** and **Part B (Hardener)** is **6 month** from the date of manufacture in sealed unopened container **Hind EP Prime 800** should be stored in a well-ventilated area away from direct sunlight.

HANDLING PRECAUTION

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability to handle the equipment and to mix/stir and apply the coating correctly. Applicators and operators shall use appropriate protection when using this product. The guideline is based on the correct knowledge of the product.

HEALTH & SAFETY

Use gloves, goggles and barrier cream. Avoid contact with skin. Ensure adequate ventilation during application.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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