

HIND ERS PRIME

TWO COMPONENT SOLVENT FREE PRIMER



DESCRIPTION

Hind ERS Prime is a two component epoxy resin based primer suitable for priming on concrete / steel surfaces.

ADVANTAGES

Hind Ers Prime is very useful in concrete / steel such as

- Excellent adhesion.
- Can be applied even on damp surfaces.
- Easy application by brush / roller.
- Good penetrating property suitable for steel and concrete surfaces.

APPLICATIONS

- For priming on concrete surfaces and steel substrates
- Floors, walls, chemical storage tanks, effluent treatment tanks, lining of bulk chemical storage tanks etc.

PROPERTIES

Preparation of Surface

The area to be treated should be properly cleaned by wire brush or shot blasted.

Mixing

Mix all the Component-B Hardener with Component-A Resin. Mix for 2-3 minutes using a drill and paddle (maximum 200-350 R.P.M.). Only required quantity of material to be mixed for immediate use.

Cleaning

Clean all tools & equipment immediately after use with, Xylene, Toluene or suitable solvent.

PROPERTIES

Mixing ratio (R: H)	1:1 by volume
Pot Life @ 27°C (ASTM D 2471)	≥ 45 Mins
Recommended DFT (ASTM D 7091)	200 microns DFT to be evaluated based on volumetric consumption per Sq. Mtr.
Drying time (ASTM D 1640)	Surface dry - ≥ 2 hrs, Tack free dry - ≥ 8 hrs, Hard dry - ≥ 24 hrs
Coverage	(coverage: 150- 200 gms/ Sq. Mtr).
Tensile strength (ASTM D 638)	≥ 9 Mpa
Elongation (ASTM D 638)	≥ 1.8 % Mpa
Flexural strength (ASTM D 790)	≥ 15 Mpa
Compressive strength (ASTM D 695)	≥ 40 Mpa
Pull off adhesion test (ASTM D 4541) On concrete	≥ 40 Mpa for M20 grade concrete failure.

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DIRECTIONS FOR USE

Surface Preparation

The surface has to be dry, sound & free from loose particles. This can be achieved by grit blasting or Sand blasting or grinding and water Jetting. The surface should not have moisture content of more than 4 %. The surface should not contain any laitance, grease, oil or any other contamination.

Mixing:

The pre-weighed ready to use components of **Hind ERS Prime** are mixed thoroughly with a mechanical stirrer having a rpm of 300-350. The mixing should be done till we get a homogenous mix of the mixed material (about 2 to 5 Minutes). The material is brushed on the well prepared surface by a standard paint brush, good quality lamb wool roller or sprayed with an air less spray equipment. Care should be taken to ensure continuous film & proper material consumption.

Cleaning: Clean all tools & equipment immediately using suitable solvent.

SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2°C (Min.) and 50°C (Max.)

PACKING

2 Kg, 4 Kg, 20 Kg (Component -A) & (component - B).

HANDLING PRECAUTION

Hind ERS Prime should be applied with gloves & care should be taken to see that it does not fall on eyes. Splashes to the skin must be washed with water and seek medical advice. It is highly inflammable. Keep away from fire.

Note: During cold temperatures, expert advise to be taken before application.

STRENGTH UPON STRENGTH

IMPORTANT NOTICE :

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.

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