

HIND ERS (UL)

HIGH STRENGTH EPOXY UNDERLAY



DESCRIPTION

Hind ERS (UL) is a three component 100 % solvent free self levelling epoxy underlay used prior to application of self levelling epoxy topcoat. It is applied after mixing Resin, Hardener and filler in an appropriate ratio to provide self levelling underlay with a very low VOC.

USES

It is used in Residential and commercial buildings, Hospitals, Warehouses, Showrooms, Schools, Laboratories, Automobile, Engineering Industries and Food and chemical manufacturing unit where dust for flooring is required.

ADVANTAGES

- Rapid and easy application to form a smooth finish.
- Excellent adhesion to concrete/primer.
- Excellent mechanical strength.
- Compatible with the environment.

APPLICATION

Surface Preparation

The surface to be treated must be thoroughly cleaned. Remove all traces of release agent, fluorinated hydrocarbon, grease, efflorescence, laitance, algae or other contaminant that may prevent proper adhesion. Remove organic materials by scraping, brushing or high pressure water cleaning. Spores must be treated with a suitable fungicide sterilizing agent and carefully rinsed.

Mixing

Mix **Component - B Hardener** with **Component - A Resin**. Add **Component - C Special Filler** and again mix well. Mix for 5-7 minutes using a drill and paddle (maximum 500 R.P.M.) or by manually.

Laying

Apply primer as a base coat and let it dry at least for 2 to 3 hours based on **Hind ERS 21 P** and then **Hind ERS (UL)** is laid as a middle layer and let it dry at least for 6 to 7 hours.

PROPERTIES

Colour	Natural
Density (Kg/m ³)	2025-2050
Mixing Ratio Resin:	Hardener: Aggregate :: 100:50/100 :400 -1000 parts by weight (The mixing ratio is only applicable when the entire kit is supplied by the company and not in any other case)
Pot Life	2 Hours @ 25°C
Drying Time	Touch dry -8 hrs, Curing Time-24 hrs, Full cure - 4 days
Thickness of Application	1-4 mm
Flexural Strength (N/mm ²)	25-30 in 7 days
Adhesion to Concrete (N/mm ²)	>4.0
Adhesion to Sand Blasted Steel (N/mm ²)	>15 approx. @ 25°C

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Compressive Strength (N/mm ²)	75-85 in 7 days
Moisture Content at 24°C/24 hours	0.45%
Fire Resistance	Self-extinguishing on removal of heating surface.
Chemical Resistance	Unaffected by a wide range of chemicals, oils etc.
Consumption	1.5 Kg per Sq.mtr per 1mm thickness following proportion Resin: Hardener: Powder :: 100:50: 400-600 parts (at 27°C) Resin: Hardener: Powder :: 100:100:600-800 parts (at 27°C)

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 5°C (Min.) and 30°C (Max.).

PACKING

As per requirement.

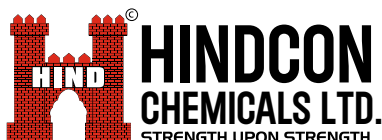
HANDLING PRECAUTION

Hind ERS (UL) is non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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.

Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behaviour 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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