

HIND SELFLOOR 1000

EPOXY SELF LEVELING FLOOR TOPPING SYSTEM



DESCRIPTION

Hind Selffloor 1000 is an epoxy based self leveling floor topping compound consisting of four component viz. **Hind Selffloor 1000- R (Resin)**, **Hind Selffloor 1000 - H (Hardener)**, **Hind Selffloor 1000 - SL 200 (Aggregate)** and **Hind Selffloor 1000- CP (Colour Paste)**. A two component **Epoxy Primer Hind ERS Prime (Primer)**, is recommended for coating on the thoroughly cleaned substrate prior to application of self leveling floor topping..

AREA OF APPLICATION

Plant Rooms, Automobile Industries, Pharmaceuticals, Printing Industries, Warehouses for storage requiring protection from dust, Research Laboratories, Store rooms, Hospitals, Nuclear Power Plants, Dairy & Industrial Kitchens, Food Processing Plant, Bottling Plant, Control Rooms, Paper Mills, Computer rooms & Prayer Houses.

ADVANTAGES

- Smooth & joint less finish.
- Excellent adhesion to concrete and other mineral surfaces.
- Solvent & Odour free.
- Durable, good Chemical and abrasion resistance.
- Provides very hygienic surface which can be cleaned easily.
- Durable and abrasion resistant.
- Very attractive and available in a wide range of colors.
- Does not support bacterial growth.
- Resistant to wide range of chemicals.

APPLICATION

Hind Selffloor 1000	R (Resin) , H (Hardener) ,CP (Colour Paste), Aggregate
Mixing Ratio (Pre- Packed)	
Pot life ASTM D 2471	55 - 60 mins at 27°C
Tensile Strength ASTM D 638	≥ 6 Mpa
Flexural Strength ASTM D 790	≥ 9 Mpa
Abrasion Resistance ASTM D 4060	≥ 45 Mg loss
Drying time ASTM D 1640	Surface dry - ≥ 3 hrs, Tack free dry - ≥ 7 hrs, Hard dry - ≥ 24 hrs
Pull of adhesion test ASTM D 7234 - 2022	≥ 2 Mpa for M20 grade concrete/concrete failure
Coverage	1.55 Kg mixed material for 1mm thickness for 1 Sq. Mtr.

CHEMICAL RESISTANCE

Resistance to various chemicals at Ambient Temperature 25 – 35°C

CHEMICALS	CONCENTRATION	OBSERVATION
Acetic Acid 10 %	3-5%	Resistant
Hydrochloric Acid	10-12%	Resistant

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Sulphuric Acid	10-12%	Resistant
Nitric Acid	7-10%	Resistant
Phosphoric Acid	5-15%	Resistant
Salt Solution	Concentrated	Resistant
Sodium Hydroxide	10-20%	Resistant
Water	-	Resistant
Lactic Acid	7-10%	Resistant
Citric Acid	7-10%	Resistant
Petrol	-	Resistant
Oil	-	Resistant
Fruit Juice	-	Resistant

APPLICATION

Surface Preparation: The surface should be sound, dry, free from all dust, dirt, greasy spots before application of primer.

Priming:

Prior to application of **Hind Selfloor 1000** the prepared surface should be given a coat of **Hind ERS Prime (Primer)** as per specification. Curing of the primer to become tack free is required for at least 6 hrs but it depends upon the ambient temperature. Preferably the application of **Hind Selfloor 1000** is to be done after 24 hrs from application of primer.

Mixing:

Preferably use a slow speed electric stirrer for mixing the components. Firstly **EPSL - R (Resin)** is mixed with **CP (Colour Paste)** in a mixing vessel until uniform color is obtained. Then add **H (Hardener)** and stir well for 2-3 minutes. Finally **EPSL - SL 200 (Aggregate)** is added and stirred until a homogenous mixture is obtained.

Now the mixed material of **Hind Selfloor 1000** is spread on the prepared surface by using toothed trowel or comb. The thickness should be approximately 1mm or 2 mm. After approx. 10 minutes spiked roller is used to remove the entrapped air. Allow floor topping to cure for **2 to 7 days** at room temperature before in use. Depending upon the size of the trowel, thickness can be adjusted from **1 mm to 2mm**.

Note: The application of **Hind Selfloor 1000** is to be done with specialized applicator equipped with the Tools required and experienced for laying epoxy flooring systems. It should not be applied to floors at ground level where rising dampness may occur or at places where the temperature is more than 50°C.

Cleaning:

The cleaning of all tools is to be done by organic solvent like Xylene.

Color Range:

Hind Selfloor 1000 is available as per selected RAL Colour shades.

PACKING

Available in **16.06 Kg Pack, 18.4 Kg Pack**

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COVERAGE

Thickness	Coverage/Pack
Hind Selfloor 1000 1.0 mm Thick	12 Sq. Mtr per Pack (18.4 Kg)
Hind Selfloor 1000 1.0 mm Thick	10.5 Sq. Mtr per Pack (16.06 Kg)

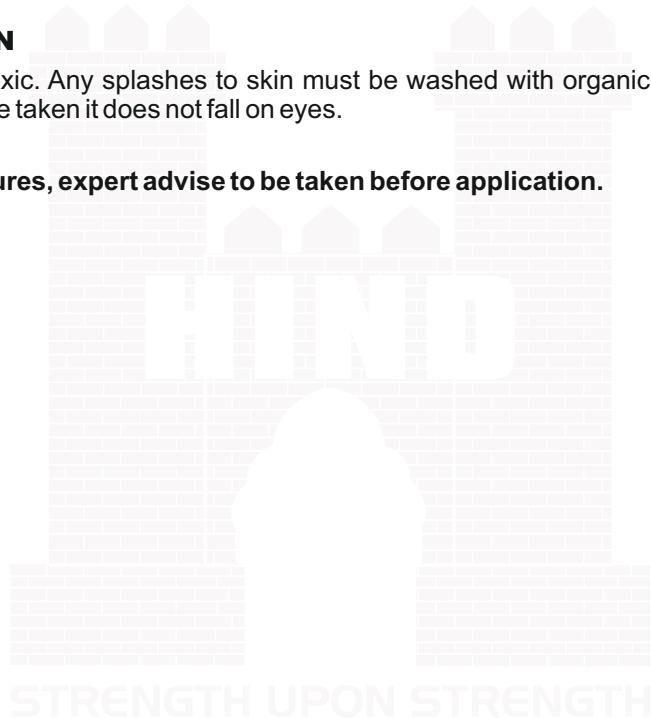
SHELF LIFE

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.)

HANDLING PRECAUTION

Hind Selfloor 1000 is non toxic. Any splashes to skin must be washed with organic solvent. Should be applied by wearing gloves, care should be taken it does not fall on eyes.

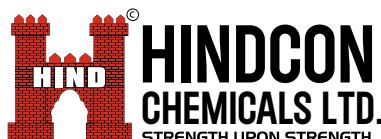
Note: During cold temperatures, expert advise to be taken before application.



IMPORTANT NOTICE :

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✉ contactus@hindcon.com
☎ +91 33 24490839, 9830599113
☎ +91 33 24490849
📍 Kolkata, West Bengal, India

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