



HIND SELFLOOR 1000

PRODUCT DATA SHEET

SELF LEVELING EPOXY RESIN BASED FLOORING SYSTEM

DESCRIPTION

Hind Selfloor 1000 is a pre weighed two component flooring system consisting of pigmented specially graded aggregates with epoxy resin binder. After application it provides a very smooth dust proof, chemical resistant surface.

USES

- Plant Rooms
- Automobile Industries
- Pharmaceuticals
- Printing Industries
- Warehouses for storage requiring protection from dust.

ADVANTAGES

- Resistant to a wide range of chemicals
- Provides very hygienic surface which can be cleaned easily.
- Durable and abrasion resistant.
- Very attractive and available in a wide range of colors.
- Very fast application.

PROPERTIES

Aspect	Comp A – Colored Liquid, Comp B- Liquid,
Specific Gravity at 27 ⁰ C	1.5 to 1.55
Working Time	40-45 mins
Compressive Strength	30N/mm ² in 24 hrs. at 27 ⁰ C 75 N/mm ² in 7 days at 27 ⁰ C
Bond Strength	1.5- 2 N/mm ² in 7 days at 27 ⁰ C
Tensile Strength	20 N/mm ² in 7 days at 27 ⁰ C
Flexural Strength	40 N/mm ² in 7 days at 27 ⁰ C
Viscosity	10000 cps suitable solvent.

CHEMICAL RESISTANCE

Hydro Chloric Acid 15 %	Resistant
Sulphuric Acid 10%	Resistant
Citric Acid 20 %	Resistant
Acetic Acid 10 %	Resistant
Sodium Hydroxide 50%	Resistant
Petrol	Resistant
Diesel	Resistant
Brake Oil	Resistant
Engine Oil	Resistant

APPLICATION

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

For New concrete surfaces- New concrete surfaces should be at least cured for 28 days, all laitance should be removed by wire brushing, grinding etc. The moisture content of the surface should be restricted within 5 %.

For Old Concrete/ Floor surface : Old concrete surfaces should be properly cleaned from all depositions dust, dirt, greasy spots preferably by mechanical method . Care should be taken that the floor is properly cleaned from all dust to ensure bonding of the primer.

Priming:

Prior to application of **Hind Selfloor 1000** the prepared surface should be given a coat of **Hind Coat Prime** 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:

Hind Selfloor 1000 is available in pre weighted two component packs. The Comp- B is to be mixed with Comp-A in a clean mixing vessel and mixed for approximately 60 seconds with a slow speed mixing paddle.

Laying:

The mixed material is then laid over pre measured surface designed for getting the desired thickness and spread evenly with a notched trowel. Once the entire material is laid rolling by a nylon spiked roller is to be done to remove trowel marks and to release the air. The roller should be moved to and fro for the entire length and subsequent rolling in the next row is to be done with a overlap on the previous row. The entire operation is to be completed within the pot life of the mixed material.

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 in colors like Red, Blue, Green, Ivory and yellow.

PACKING

Available in 18.5 Kg Pack

COVERAGE

Thickness	Coverage/Pack
Hind Coat Prime as Primer	5-6 Sq. Mtr per Kg.
Hind Selfloor 1000 2.00 mm Thick	6 Sq.Mtr per Pack (18.5 Kg)
Hind Selfloor 1000 1.5mm Thick	8Sq. Mtr per Pack (18.5 Kg)
Hind Selfloor 1000 1.0 mm Thick	12 Sq. Mtr per Pack (18.5 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 2⁰ C (Min.) and 50⁰ 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:

- **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 be supplied on request.

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