

# EPOXY FLOORING SYSTEM (1MM THICK)

## PRIMER + TOPCOAT

### HIND ERS PRIME + HIND SELFLOOR 1000 (1MM)

#### APPLICATION INSTRUCTIONS

##### STEP - 1

###### SURFACE PREPARATION

1. The surface must be sound & free from dust, dirt, & loose particles. Thoroughly wire - brush or grind the surface. Clean dust with a vacuum cleaner.
2. Wash the surface with water. Remove all oils & grease using a degreasing solvent.
3. If any damage or cracks are present, repair them by cutting a 1" V - groove & filling with suitable repair mortar.
4. The surface should not have a moisture content exceeding 4%.
5. Ensure the substrate is completely dry before proceeding to priming.

**Surface Finish Requirement:** The concrete substrate must be smooth & level prior to application. For best results at 1mm thickness, Vacuum Dewatered Flooring (VDF) concrete is strongly preferred as the base, as it provides the smooth, hard, & even surface required for a uniform epoxy finish.

##### STEP - 2

###### PRIMING - HINDERSPRIME

1. Mix Component - A (Resin) & Component - B (Hardener) in a 1:1 volume ratio using a mechanical stirrer at 300 - 350 RPM for 2 - 5 minutes until a homogeneous mixture is obtained.
2. Apply the mixed Hind ERS Prime to the well - prepared, dry surface using a standard paint brush, a good - quality lamb's wool roller, or airless spray equipment.
3. Ensure continuous film formation & proper material consumption of 150 - 200 gms / Sq. Mtr.
4. Allow primer to cure: Minimum 6 hours for tack - free. Preferably, allow 24 hours before applying the topcoat.
5. Clean all tools immediately after use with Xylene, Toluene, or a suitable solvent.

##### STEP - 3

###### TOPCOAT APPLICATION - HIND SELFLOOR 1000

###### Mixing Procedure:

1. Use a slow - speed electric stirrer for mixing. Mix Resin (R) with Color Paste (CP) in a mixing vessel until a uniform color is achieved.
2. Add Hardener (H) & stir well for 2 - 3 minutes.
3. Finally, add Aggregate (SL 200) & stir until a homogeneous mixture is obtained.

###### Application Procedure:

1. Ensure primer coat (Hind ERS Prime) is fully cured & tack - free (minimum 6 hrs, preferably 24 hrs) before applying Hind Selfloor 1000.
2. Spread the mixed Hind Selfloor 1000 on the prepared, primed surface using a toothed trowel or a comb to achieve a thickness of 1mm.
3. After approximately 10 minutes, use a spiked roller to remove any entrapped air from the applied coating.
4. Allow the floor topping to cure for 2 to 7 days at room temperature before putting it into service.
5. Clean all tools immediately after use with Xylene.

#### IMPORTANT NOTES

1. The application must be carried out by a specialized applicator experienced in laying epoxy flooring systems.
2. Do not apply at ground level where rising dampness may occur.
3. Do not apply where the temperature exceeds 50°C.
4. During cold temperatures, expert advice must be taken before application.

#### MATERIAL COVERAGE SUMMARY

| Product            | Pack Size           | Thickness       | Coverage             |
|--------------------|---------------------|-----------------|----------------------|
| Hind ERS Prime     | 2 Kg / 4 Kg / 20 Kg | 200 Microns DFT | 150-200 gm / Sq. Mtr |
| Hind Selfloor 1000 | 18.4 Kg Pack        | 1.0 mm          | 12 Sq. Mtr / Pack    |
| Hind Selfloor 1000 | 16.06 Kg Pack       | 1.0 mm          | 10.5 Sq. Mtr / Pack  |

#### IMPORTANT NOTE - SCRATCH COAT / PUTTY COAT:

The application of Epoxy & PU flooring & coatings is highly sensitive to surface conditions. Depending on the substrate porosity, texture, & site conditions, a Scratch Coat/Putty Coat may be necessary over the primer or underlayment surface before applying the final top coat.

A Scratch Coat / Putty Coat is a thin additional layer of the topcoat material, applied to seal any residual surface irregularities, micro-pores, or voids. This step ensures a superior, uniform finish on the final coat by significantly reducing the risk of pinholes, surface defects, & uneven appearance in the cured system.

The necessity of a Scratch Coat / Putty Coat is to be assessed by the applicator based on the actual site surface conditions prior to application of the final topcoat.