# EPOXY FLOORING SYSTEM (6MM THICK)

## PRIMER + UNDERLAY + TOPCOAT

## HIND ERS PRIME + HIND ERS UL (5MM) + HIND SELFLOOR 1000 (1MM)

### APPLICATION INSTRUCTIONS

### STEP - 1

#### SURFACE PREPARATION

1. The surface must be made sound and free from dust, dirt, and loose particles by thoroughly wire-brushing it. If required, a grinder may be used. Clean the dust with a vacuum cleaner.
2. Wash the surface with water. Oils and grease must be removed by degreasing solvent.
3. If any damage or cracks are found, repair them by cutting a 1" V - groove and filling with suitable Fiber Reinforced Repair Mortar over an appropriate bond coat.
4. The surface must not have a moisture content exceeding 4%. Ensure the substrate is completely dry before proceeding to priming.
5. All pipe inserts in floors and walls should be properly sealed with suitable non - shrink grout over an epoxy bonding agent.

### STEP - 2

#### PRIMING - HIND ERS PRIME

1. Mix Component - A (Resin) and Component - B (Hardener) in a 1:1 ratio by volume. Use a mechanical stirrer at 300 - 350 RPM for 2 - 5 minutes until a uniform, homogeneous mix 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 and proper material consumption @ 150 - 200 gms / Sq. Mtr (DFT 200 microns).
4. **Curing before next coat:** Allow a minimum of 6 hours for tack - free. Preferably allow 24 hours before applying the underlay coat.
5. Clean all tools immediately after use with Xylene, Toluene, or a suitable solvent.

### STEP - 3

#### UNDERLAY - HIND ERS UL (1MM THICK)

**Mixing Procedure:**

1. Mix Component - B (Hardener) with Component - A (Resin) first.
2. Add Component - C (Special Filler) and mix again thoroughly.
3. Mix for 5 - 7 minutes using a drill and paddle at a maximum 500 RPM until a smooth, homogeneous mix is achieved.

**Application Procedure:**

1. **Primer curing:** Ensure the **Hind ERS Prime** coat is tack-free (min. 5–6 hrs, preferably 24 hrs) before applying the underlay.
2. Pour and spread the mixed **Hind ERS UL** evenly on the primed surface in a single coat to achieve a total thickness of 5mm. The material is self - leveling - allow it to self-level uniformly across the surface.
3. Ensure the applied coat is smooth and free from voids or bubbles.
4. **Curing before topcoat:** Allow a minimum of 6 hours for tack - free. Preferably allow 24 hours before applying the underlay coat.
5. Clean all tools immediately after use with a suitable solvent.

### STEP - 4

#### TOPCOAT — HIND SELFLOOR 1000 (1MM THICK)

**Mixing Procedure:**

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

**Application Procedure:**

1. **Underlay curing:** Ensure **Hind ERS UL** is fully cured (minimum 24 hours) before applying the topcoat.
2. Spread the mixed **Hind Selfloor 1000** on the cured underlay surface using a toothed trowel or comb to achieve a uniform 1mm thickness.
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 and equipment 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 to floors at ground level where rising dampness may occur.
3. Do not apply where the ambient temperature exceeds 50°C.
4. During cold temperatures, expert advice must be taken before application.
5. Solvent and odor - free system - suitable for sensitive environments.

62B, Braunfeld Row, Kolkata-700027, West Bengal, India

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www.hindcon.com contactus@hindcon.com +91 3324490839 9830599113

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**MATERIAL COVERAGE SUMMARY - 6MM EPOXY FLOORING SYSTEM**

| Product / Layer | Pack Size | Thickness | Coverage |
|---|---|---|---|
| Hind ERS Prime (Primer) | 2 Kg / 4 Kg / 20 Kg | 200 Microns DFT | 150–200 gm / Sq. Mtr |
| Hind ERS UL (Underlay) | 6 Kg / 24 Kg | 5.0 mm (1 Coat) | 7.5 Kg / Sq. Mtr |
| Hind Selfloor 1000 (Topcoat) - 18.4 Kg | 18.4 Kg Pack | 1.0 mm | 12 Sq. Mtr / Pack |
| Hind Selfloor 1000 (Topcoat) - 16.06 Kg | 16.06 Kg Pack | 1.0 mm | 10.5 Sq. Mtr / Pack |
| Total System Thickness | – | ~6.0 mm + Primer | – |

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