

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 and free from dust, dirt, and loose particles. Thoroughly wire-brush or grind the surface. Clean dust with a vacuum cleaner.
2. Wash the surface with water. Remove all oils and grease using a degreasing solvent.
3. If any damage or cracks are present, repair them by cutting a 1" V-groove and 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 and 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, and even surface required for a uniform epoxy finish.

STEP - 2

PRIMING - HINDERS PRIME

1. Mix Component - A (Resin) and 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 and 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 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) and stir well for 2 - 3 minutes.
3. Finally, add Aggregate (SL 200) and stir until a homogeneous mixture is obtained.

Application Procedure:

1. Ensure primer coat (Hind ERS Prime) is fully cured and 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 |