

# WATERPROOFING WORK AT ROOF, MUMTY, LIFT MACHINE ROOM SLAB, FIRE REFUGE SLAB, TERRACE USING HIND ELASTO COAT

## APPLICATION INSTRUCTIONS

### STEP - 1

#### SURFACE PREPARATION

1. The surface must be made sound & free from dust, dirt, & loose particles by thoroughly wire-brushing it.
2. If required, a grinder may be used. Clean the dust with a vacuum cleaner.
3. Wash the surface with water. Oils & grease must be removed by degreasing solvent.
4. If any damage or cracks are found, repair them by cutting a 1" V-groove and filling it with 'Hind Patch R' Fiber Reinforced Repair Mortar (1 kg Patch-R: 160 gm water) over a bond coat of 'Hind Styrene BR' admixed with water and cement (1 part Hind Styrene BR: 1 part Water: 3 parts Cement).
5. Chamfering all junctions of the mother concrete slab & brick walls with HIND CRETE PLUS WPM modified cement sand mortar at the ratio of (1 part cement: 4 parts sand: wpm 5-10% weight of cement) after cutting a groove of size 25mm x 25mm.
6. All pipe inserts in floors & walls should be properly sealed with HIND HSMC (1 Kg HSMC: 160 gm water) over a bond coat of epoxy bonding agent HIND BOND EBA modified cement sand mortar.

### STEP - 2

#### NOZZLE GROUTING (WHEREVER REQUIRED)

1. Nozzle grouting for injection of cement slurry admixer with Expanding grout Admixture HIND PLAST EGA (0.5 to 0.6 kg per 100 kg cement and w/c ratio 0.36 to 0.4).

### STEP - 3

#### WATERPROOFING COATING

1. Supplying and applying three coats of waterproof coating 'HIND ELASTO COAT' - a high-performance single-component acrylic-based, highly flexible, non-toxic elastomeric waterproofing slurry coating **2.0 kg/sq.mtr** on the prepared surface on the entire floors & walls, with a Dry Film Thickness (DFT) of **approximately 1.5 ± 0.1 mm**. The coverage depends on the surface texture and porosity. Consumption may vary depending on the surface and its absorption. All substrates should be in SSD condition prior to using HIND ELASTO COAT.

Watering the entire Surface up to Saturated Dry condition (SSD). Providing and placing a water-proofing membrane by High performance single component highly flexible, acrylic polymer based non-toxic elastomeric waterproofing slurry by application of 1st coat HIND ELASTO COAT is mixed with clean Water in the proportion of **1:1 (1 part i.e. 0.250 kg HIND ELASTO COAT : 1 part i.e. 0.250 kg clean Water)** and painted on the prepared surface with a flat paint brush @ 0.500 Kg/Sq. Mtr. of the diluted mixture and taken to the height of the entire wall as a primer coat.

Application of the 2nd coat of HIND ELASTO COAT is applied without any dilution on the surface with a paint brush @ **0.875 Kg/Sq. Mtr**, when the 1st coat of diluted HIND ELASTO COAT is touch dry, approximately after 4 hours of the 1st coat.

Application of the 3rd coat of HIND ELASTO COAT is applied after a minimum time interval of 10 hours without any dilution with a paint brush @ 0.875 Kg/Sq. Mtr.

2. Glass fiber wire mesh, optional, should be placed on the 1st coat until the coating is wet.
3. Allow the surface to dry.
4. After the 1st coat is completely dry, apply the 2nd coat to create a sandwich coating system.
5. After the 2nd coat is completely dry, apply the 3rd coat.

### STEP - 4

#### BONDING AGENT & OVERLAY

1. After that, apply HIND BOND 1707+, which is a low-viscosity solvent-free high-strength two-component epoxy bonding compound with a brush over a cleaned, dirt-free surface from all types of loose particles, oil, grease, or other foreign materials, and dry the existing surface. Apply a thin layer of Hind Bond 1707+ pre-weighed Pack-A with Pack-B using a low-speed electric drill/paddle mixture for 2-3 minutes, stirring thoroughly with a brush to the existing surface, working well into the substrate.

In case of using large packs, when the entire mixed quantity cannot be used at a time, contents of Pack A and Pack B are to be mixed in the ratio 2:1 by weight and consumed within 30 minutes. HIND BOND 1707+ will cover at the rate of 0.25-0.4 kg/sq.mtr, depending upon the surface porosity, texture, and working temperature.

#### PROTECTIVE PLASTER (ONLY WALL)

1. After application of HIND BOND 1707+ coating, when it is still "TACKY", HIND ELASTO COAT Coating will then be covered with 15 mm thick (1:4) cement sand plaster admixed with HIND PLAST IWA (100ml for 50kg cement) & HIND PP FIBER (125gm for 50kg cement).

#### OR

#### PROTECTIVE SCREED (FLOOR)

1. After application of HIND BOND 1707+ coating, when it is still "TACKY", HIND ELASTO COAT Coating will then be covered with the providing and laying of 75mm average thick screed concrete (1:2:4) in proper slope with HIND PP FIBER (125gm for 50kg cement) & HIND PLAST IWA (100ml for 50kg cement).