

## **INSTA-ESM**

### ***EPOXY SLURRY MORTAR***

#### **DESCRIPTION:**

INSTA-ESM is an instant water proof cementitious anti-skid coating, which when applied stops leakage, dampness, rising dampness, seepage of water from internal or external masonry walls, R.C.C. Slabs., tanks, basements, swimming pools, parking lots, silos, sumps etc. It is a three component product & an off-shoot of Epoxy Mortar.

#### **ADVANTAGES:**

- ✓ Stops instantly leakage, seepages, dampness of masonry, substrates, like walls, RCC Slabs, M.S. Tanks, PVC Tanks, basements, swimming pools, sumps, silos etc.
- ✓ Resistant to mild acids and alkalis
- ✓ High tensile, compressive, flexural strength Highly abrasion resistant, non-glossy, non-skid texture
- ✓ Can be applied on damp surfaces
- ✓ Economical, durable, reduces maintenance cost
- ✓ No skilled labour required in application. It can be applied by brush

#### **AREA OF APPLICATION:**

INSTA-EMS can be applied on Terraces, RCC Slabs, External & Internal walls, basements, Lift-pits, Water Tanks, Swimming Pools etc. It can be applied in Bathroom, WC, and Sunken Slabs for permanent water proofing of the area. Also, it can be applied in MS tanks, PVC tanks, effluent tanks, pickling tanks, spray ponds, cooling towers etc. It can also be used for damp proofing course at preconstruction stage, for underground structures in Box type construction of walls, swimming pools, basements, magazines etc. Also, it is useful in bedding of acid proof tiles in chemical and fertilizer plants. Furthermore, it can be applied on factory floors of dairies, abattoirs, aqueducts, runaways where heavy traffic occurs, to minimize deterioration of concrete flooring and to reduce maintenance cost and increase the life of floors.

**PRODUCT SPECIFICATION:**

|                      |   |
|----------------------|---|
| Base                 | Epoxy   |
| Appearance           | Cement Grey   |
| System               | Three component (Resin: Hardener: Thickened water, 93:7:40 by weight) |
| Pot life @ 30° C     | 1 ½ Hours   |
| Drying time @ 30° C: |   |
| Surface Dry          | 1 ½ to 2 Hours  |
| Hard Dry             | 3-4 Hours   |
| Full Cure            | 7 days  |
| Coverage:            |   |
| Rough Surface        | 48 to 54 sq. ft. per 5.6 kgs  |
| Smooth Surface       | 60 to 72 sq. ft. per 5.6 kgs  |
| Film Thickness       | 250-300 microns/coat  |
| Recommended coats    | 1-2   |
| Film Property        | Hard and Tough  |
| Abrasion Resistance  | Excellent   |

**PREPARATION:**

The surface preparation before application plays an important part in obtaining longer and durable performance from the coating. Clean the surface of loose particles and dust with the help of wire brush. Clean the surface of oil, grease by using **Sparklean** solvent and wash the areas with detergent thereafter. Wash the areas with water thoroughly to remove the contaminants. Allow to dry. Chemical cleaning, if necessary, can be done by using Hydrochloric Acid Commercial Grade by diluting with water in ratio of 1:2 by volume. However, after treating surface it is required to rinse wash with water containing dilute ammonia solution. (1 part ammonia diluted with 7 parts water.) The surface where it is not possible to clean, in view of extensive area, it is essential to prime the area with **EPOXYBOND-600** coat before application as a tie coat. Freshly laid concrete can be coated only after 28 days curing. Fill the cracks less than 10 mm with **FIX N BOND** compound. Allow to dry for 24 hours. Fill the crack above 10mm with **INSTA ESM** and allow curing for 3-4 hours. For pot-holes fill the area with Floor Resurfacer. Allow to cure over night.

**METHOD OF APPLICATION:**

As the **INSTA ESM** is three components consisting of (a) Mortar Resin, (b) Hardener, (c) Thickened Water, it should be mixed as directed. Open the lid of **INSTA ESM** tin and loosen it. Pour the hardener into Slurry Mortar Tin. Immediately, add into container the third component i.e. thickened water. Stir the contents vigorously for 5 minutes with iron rod or wooden stick. The contents will now turn into a brushable homogenous mix. Start applying by brush on the prepared surface immediately. Use the material as fast as possible but within 1 hour as it will start curing and become hard in consistency. Allow to cure for 6 to 8 hours. If subsequent coat is required for longer durability, apply as above.

**CLEANING OF TOOLS:**

Clean the tools, hands, brush with soap and warm water/ **EPOXYTHIN.**

**SAFETY PRECAUTIONS:**

Keep away from naked flames/lights. Do not smoke near application area. Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

**PACKING:**

Available in 5.6 Kgs.

***WARRANTY CLAUSE:** The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.*

