

## **EPCRETE**

### ***EPOXY BASED CONCRETE ADDITIVE***

#### **DESCRIPTION:**

EPCRETE is a unique state of art, two component, water soluble epoxy additive for use in mortars and concrete requiring high degree of strengths and impermeability. Highly recommended for specialized repairs and restoration of (reinforced) all type of concrete and plasters in various stages of constructions and in a variety of concrete structures.

#### **ADVANTAGES:**

- ✓ Can be applied on damp surfaces
- ✓ Water soluble
- ✓ Excellent bond strength to old surfaces
- ✓ Quick setting time
- ✓ Excellent compressive and flexural strength
- ✓ 100% impermeable
- ✓ No moisture curing required
- ✓ No salt petre action

#### **SPECIFICATIONS:**

Base	Epoxy
Colour	White
System	2 component (Resin: Hardener, 70:30 by volume)
Pot life @30° C	2-3 Hours

#### **PREPARATION:**

For all old concrete, a suitable tie coat is required. Clean the surface from all loose particles, dirt, dust, oil, grease etc. Ensure that the surface is clean from contamination. Apply one coat of EPOXYBOND-600 for bonding old concrete to new concrete and allow drying for 2 hours before commencing further work.

### **METHOD OF APPLICATION:**

Mix resin and hardener thoroughly, which is to be added to the dry mix of cement and sand/ aggregate. Typical example is given below for dosage of 1:4 mortar for plaster based on 25 mm thickness, 8 Kgs Cement, + 32 Kgs Fine Sand, + 1 Kg Water, + 2 kgs EPCRETE. Alternatively one can use 5% EPCRETE by weight of total Mix or 25% EPCRETE by weight of cement to get the desired results. The addition of water should not be more than recommended as it will affect the performance of the repair material. However, sprinkling of a little water to adjust the workability may be allowed (depending on ambient temperatures). Mix material enough so as to finish it within 2 hours. Once mix as above is ready commence application. Lubricating the trowel with water at intervals is recommended for easy movement and proper finish. Once applied the material will initially set within one hour and will finally set within 8-10 hours. No further moist curing is required.

### **CLEANING OF TOOLS:**

Wash hands, tools with soap and water.

### **SAFETY PRECAUTIONS:**

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, 10 & 20 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.*