

## **MEGACRETE-ACR**

### ***ACRYLIC BONDING AGENT***

#### **DESCRIPTION:**

**MEGACRETE-ACR** is a pure acrylic polymer, used as a bonding agent for new to old substrates & cement mortar modifier because it provides strong bonds to old & new concrete, improves tensile & flexural strength of concrete and increases the durability of the structure.

#### **ADVANTAGES:**

- ✓ Single component ready to use.
- ✓ Provides excellent bond to concrete, masonry, Stonework, plywood, gypsum, plaster and blackboard.
- ✓ Improves tensile, flexural and compressive strength as compared to control concrete hence increases the durability of structures.
- ✓ Compatible with all common cements hence it is versatile.

#### **AREAS OF APPLICATION:**

**MEGACRETE-ACR** is used on spalled concrete floors, columns, beams, chajjas, slabs, parapets, etc. It is used to bond old to new concrete, masonry, stonework plaster, fixing or re-fixing slip bricks, tiles, marbles & bedding.

#### **SPEICIFICATIONS:**

Appearance	Milky white liquid
Bond Strength	Excellent
Chloride Content	Nil
Coverage	45-50 sq.ft./kg

#### **PREPARATION:**

Clean the surface and remove any dust, unsound or contaminated material, loose plaster, oil, paint, grease, corrosion deposits or algae. Expose fully the corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to bright condition particularly the hidden portions of the exposed steel bars.

## **METHOD OF APPLICATION:**

### **Reinforcing steel priming**

Apply one coat of Megacrete-ACR mixed cement slurry (1:1 by volume) to all exposed steel reinforcement and allow it to dry. A second coat application is also recommended. Allow it to dry. The surface should be thoroughly soaked with clean water prior to application of Megacrete-ACR. Apply Megacrete-ACR with brush or rollers on the substrate and avoid ponding and remove any excess material. The repair or topping application should be carried out whilst the primer is still tacky.

### **Render and Mortars**

A suitable mix ratio for patching repair mortar or render. Mix design - Portland Cement : 50 kg, Washed sand : 150 kg & Megacrete-ACR: 20 litres. Sufficient water can be added to give the required consistency

### **Bonding Slurry Coat**

Megacrete-SBR with cement where extra adhesion is required. Recommended mix shall be 10 litres of Megacrete-ACR mixed with cement in the ratio 1:1 by volume.

## **CLEANING OF TOOLS:**

Clean hands tools with water immediately, any hardened material in the area can be removed by spatula, scrapper, etc.

## **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, 20 & 200 Litres.

***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.*