

## ChemProof

Acrylic polymer for Repairing, Bonding & Waterproofing

**Description:** -ChemProof is an acrylic polymer which is enhance the properties of cement Slurry, mortar, concrete, plaster and grouts. It has excellent bonding and waterproofing property. It can be used for bonding new concrete to old concrete. Reduces cracking through increased flexural strength. Excellent choice for use in new construction as well as renovation work.

### Characteristic Parameters

It conforms to specification prescribed in: ASTM 6083

| Test Parameters          | Specification                  |
|--------------------------|--------------------------------|
| Appearance               | Milky White Colour Liquid      |
| Specific Gravity at 27°C | 1.02 ± 0.02                    |
| Ph at 27°C               | 7 - 9                          |
| Solid Content %          | 30 ± 1                         |
| Chemical Resistance      | Resists Mild Acids and Alkalis |

### Features/Advantages

- ❖ Durable and hard-wearing surface on application.
- ❖ Easy to apply by brush, slurry consistency, Excellent bonding with most of the substrates.
- ❖ Protects against water penetration, salt & carbonation.
- ❖ Non-corrosive to steel & iron Vapor permeable.
- ❖ Can be used for treatment of leaching and saltpeter action.
- ❖ Can be applied in uniform thickness to horizontal and vertical surfaces.

### Applications

- ❖ Roof terraces, roof slabs, balconies.
- ❖ Basement.
- ❖ Water tanks.
- ❖ Sunshades.
- ❖ Sunken toilets.

### Application Methodology

#### Surface Preparation

- ❖ The surface must be clean, sound and free from oil, grease or any other loose materials. If present, cleaning shall be done by scarifying, grinding, water blasting, sand blasting and acid washing.
- ❖ The surface should wetted, well prior to application, thoroughly with water to get SSD condition.
- ❖ Depressions are filled and levelled by using ChemProof modified mortar in mixing ratio of 1 kg cement, 1.5 silica sand and 0.5 kg of ChemProof.

#### Mix Preparation:-

- 1. For waterproof coating system** - OPC Cement: 2 kg.  
ChemProof : 1 kg.  
Coverage : 3 - 4 sq. mtr. /kg./Coat.
- 2. For brush topping** - OPC Cement : 2 kg.  
ChemProof : 1 kg.  
Fine sand : 2 kg.  
Coverage : 1 to 1.5 sq. mtr./ kg/Coat.
- 3. For Mortar/Screed** - OPC Cement : 2 kg,  
ChemProof : 1 kg,  
Zone II sand: 3 kg.

## **Application**

- ❖ Mix two parts (by weight) of fresh reputed brand of cement with one part of ChemProof Polymer to a smooth brushable consistency.
- ❖ Apply this freshly mixed slurry on the damp surface (preferably saturated surface dry condition).
- ❖ Apply and unroll woven glass fibre roll evenly on the wet coating before it dries out on larger areas.
- ❖ Apply one coat of ChemProof waterproofing coating over the glass fabric roll so as to cover the fabric.
- ❖ Second coat may be applied 4-6 hours later from the application of first coat.
- ❖ May be applied polymer modified protective plaster coating of 15-20 mm thick over the coating to ensure safety from mechanical damage.

## **Curing**

- ❖ All ChemProof waterproofing coating to air cure for 3-6 hour after the final coat during this period no water is to be used for curing.
- ❖ During the first 12 hours of curing, it must be protected from abrasion, rain and other adverse conditions.
- ❖ Avoid the rapid drying of the coating by covering the coating with help of polythene sheet in case of high humidity and windy condition.
- ❖ Moist Curing of ChemProof waterproofing coating advisable by sprinkling water.
- ❖ Pond curing by storage of water is not advisable for at least first seven days.

## **Cleaning**

Using tools for ChemProof waterproofing application clean immediately after final use. Otherwise hardened material can be removed mechanically.

## **Health & Safety**

- ❖ Before handling product wear suitable protective clothing, gloves, Nose mask, helmet and Goggles.
- ❖ Avoid contact with skin /eyes, and avoid swallowing.
- ❖ If material contacted to skin rinse with plenty of clean water, then cleanse with soap and water.
- ❖ In case of eye contact, wash with plenty of clean water and seek medical advice.

**Packing:** - 1,5, 20 and 50 Liters container.

**Shelf-Life and Storage Condition:-** Shelf life is 12 months from the date of manufacturing when stored in dry and cool place with undamaged and unopened original sealed container. Storage temperature should be +10°C to + 30°C.

## **Our Other Products Ranges Are:-**

- Concrete Admixtures
- Sealants & Primer
- Industrial Floorings
- Concrete Repair Products
- Mould Release Agents
- Adhesive for Tiles, Marbles and Stones
- Concrete Curing Compounds
- Waterproofing Chemicals
- Industrial Grouts
- Concrete Hardeners
- Concrete Bonding Agents
- Joint Filler Grouts for Tiles, Marbles and Stones

Offshore

**Important Note:** - Offshore Chemox products are confirming standard manufacturing specification and procedure. Offshore Chemox products are given in good faith based on Offshore Chemox current knowledge and experience of the products when properly stored, handled and applied under normal conditions. Offshore Chemox product are confident against defective materials and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Offshore Chemox endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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**OFFSHORE CHEMOX**

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