



## UCOBOND-SBR

### Polymer Modifier for Cementitious Systems

CR-151

#### Product

UCOBOND-SBR is a styrene emulsion polymer-bonding agent for cementitious systems.

#### Composition

UCOBOND-SBR is white liquid polymer based on styrene-butadiene rubber

#### Description

UCOBOND-SBR is a modified polymer emulsion specially designed for use as a bonding agent to modify cement mortar/concrete.

It is useful for repairing distressed R. C. members and to modify mortars as waterproofing and flooring render. UCOBOND-SBR is the recommended primer for the cementitious repair system.

UCOBOND-SBR provides excellent bond to concrete plaster and masonry, it is compatible with all types of hydraulic cements.

UCOBOND-SBR improves tensile and compressive strength that allows thin section application it is also used as curing membrane having 55% efficiency.

UCOBOND-SBR can also be used as an admixture for grouts or concrete.

#### Technical Data

Form .....	Liquid
Colour .....	White
S.P. gravity.....	1.01
pH.....	9.0±1
MFT.....	10c
Chloride.....	Nil

#### Advantages

- Excellent adhesion to concrete, masonry & reinforcement
- Increases flexural tensile and mechanical strength
- Reduces shrinkage and water permeability
- Improves freeze thaw resistance
- Excellent water - resistance
- Easy to apply and economical resistance to weathering and chemical attack
- Compatible with all hydraulic cements
- Reduces W/C ratio Increases durability and toughness

#### Purpose

- To provide water resistance to the concrete.
- To make good defective concrete ideal as a bonding aid for concrete to concrete as well as gap filling and patch prepare structural repairs

#### Where to use

- Rendering and coating
- For concrete repairs
- For Structural repairs
- As a bonding agent for patch repair
- Tile bonding
- Crack filling primer
- For Screeds, Renders, Toppings
- For waterproofing coating
- For cement injection mix

**Method of use**

For Structural Rehabilitation and Repair

**Step-1**

Clean the reinforcements with wire brush to remove loose scales

**Step-2**

Apply Jet of water to remove loose particle, dust etc.

**Step-3**

Mix 1 part of O.P. cement + 1 part of UCOBOND-SBR uniformly make paint consistency and apply on reinforcement and allow it to dry for 2-3 hours.

**Step-4 Bond Coat**

Make slurry with cement & SBR where SBR modified mortar is to be applied

**Step-5 Polymer Modified Mortar**

Mix cement 50KG + Zone II sand 150 KG + UCOBOND-SBR 10Ltr. + water 5 to 7 Ltr. Apply above mortar over bond coat.

**Dosage**

10 litre / 50 KG cement

**Coverage / Dosage**

7-8 m<sup>2</sup> of rebars area / litre

2-3 m<sup>2</sup> / litre ( 1: 1 cement : SBR)

**Packing**

5, 20, 50, 100, 210 Litre drums

**Storage**

- UCOBOND-SBR has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

**Handling Precaution**

- UCOBOND-SBR is an industrial chemical; required handling precautions should be followed.
- UCOBOND-SBR is non-flammable and doesn't contain any flammable ingredient.
- UCOBOND-SBR is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

**Important Note:**

All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

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