



## Ultimate WaterProofing Solutions

# CEMCURE EC2

## A Silane -Siloxane based Emulsion for Water Repellency

### DESCRIPTION

Cemcure EC2 is a unique silane-siloxane based emulsion for surface water repellency. Provides excellent anti-corrosion and anti-carbonation protection of reinforced concrete. This thermodynamically stable emulsion is to be used for reducing surface water absorption of building materials. It renders the surface water repellent, becoming permanently bonded to the surface material. The emulsion particle is nano-sized enabling the product to penetrate even dense surfaces.

### USES

Can be used on exterior surfaces of natural stones, sand stones, granite, marble, bricks, designer tiles, clay tiles, sand lime mortar, concrete and as a primer for mineral paints. An excellent product for protection, maintenance, durability and appearance of building facades.

### ADVANTAGES

- Easy to use, water based product supplied in concentrated or diluted form.
- Good anti-carbonation & anti-corrosion protection to reinforcement concrete.
- Non hazardous, non corrosive and stable at high Ph.
- It reduces surface water absorption by about 95%.
- Micro-size particles can penetrate into dense surfaces.
- Does not leave any oily or other residue on the treated surface.
- This water repellency zone also reduces efflorescence and staining.

Cemcure EC2 is available in both concentrated and dilute form. Concentrate should be diluted with neutral Ph deionized or demineralized water, stability of diluted product may vary and should be tested at site. Product diluted with drinking water should be used within 24 hrs. Dilution of

product will vary based on absorbency of the surface to be treated. Product can be diluted 1:3 to 1:10 but should be patch tested on the surface for effective water repellency.

### APPLICATION

1. Application can be done by low-pressure spray pump or brush. Two applications wet to wet, should be made. The surfaces should be clean and free from dust, loose particles, oil and grease.
2. A patch test should be performed on the surface, prior to treatment.
3. Depending on the job, Cemcure EC2 can easily be applied by brush, roller or spraying.
4. The product is preferably applied by saturation flooding using a hand pressure spray or airless spray pump, so as to avoid direct contact of the brush or the roller with the surface.
5. For vertical surfaces, the product should be applied as a liquid thin film stream, which runs down the surface approximately 30-40 cm.
6. A second application should follow immediately after the first coat as it is absorbed by the surface temperature of about 20-25°C
7. This is termed as "wet-to-wet" application. The object is to saturate the surface to allow uniform surface penetration.

### AFTER APPLICATION

The initial surface water repellency will develop after the surface is dry. Full curing may take 24 hours or up to 7 days. Heavy traffic should be avoided for at least 24 hours. Equipment used can be cleaned in water.

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## TECHNICAL DATA

- Appearance : Liquid
- Color : Milky White
- Specific Gravity : 0.955 Kg/ L
- Active Ingredients : 40+1%
- Ph value : 7.5 - 8
- Solubility : Miscible in water
- Flash Point : 100°C in diluted form  
25°C in concentrated form
- Viscosity (@25°C) : 1 - 10 mPa.s

## PACKING

5kg, 20kg, 50kg

## DOSAGE

25-30 sq.ft / kg

## SHELF LIFE

12 Months in a closed uncontaminated container. Should be used before the uses by data printed on the container. However if the product is past its use by data it is not unusable. A quality control test should be performed on the properties relevant to the application or the manufacturer contacted for further advice.

## STORAGE

Once opened, remaining material should be sealed and stored in a cool, dry place. Care should be taken to always keep product away from direct sunlight or extreme heat.

## HEALTHY AND SAFETY

Non- Hazardous, Non- Toxic, Non Flammable

**IMPORTANT NOTE:** CEMCURE products are non-hazardous when properly handled, applied and stored. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available

**WARRANTY:** The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Cemcure Chemtech reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Cemcure Chemtech is responsible for the quality of the product at the time of dispatch but is not responsible for its quality after subsequent storage, handling and application. Neither Cemcure Chemtech nor its associated companies shall be held liable for any damage resulting from handling of or contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale

*All our products are environmentally friendly, water-based, non-toxic, non-flammable and have no VOC*

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