

CicoCure[®] AR380

Acrylic Based Concrete Curing Compound

Description

Cicocure[®]AR380 is a water based concrete curing compound based on acrylic polymers. In application, **Cicocure[®]AR380** creates a regular and continuous film on the fresh concrete surface preventing loss of the concrete inner hydration water, ensuring more efficient cement reaction, improving durability and reducing shrinkage.

Uses

- Large areas concreting like floorings, roof decks, airports runways, rafts and highways.
- Hot and dry climate concreting.
- Precast concrete industry
- Batch repair works specially in humid climates because it is water proofer.
- Low water content concrete, where high compressive strength is required.

Advantages

- Very effective in dry, windy or hot climate concreting.
- Form waterproof layer on concrete surface.
- Minimizes potential for surface cracking & shrinkage.
- Economical especially where water is rare or expensive.
- Improves curing of concrete and provides more durability for it.
- Safe, non-flammable, as it is water based.
- Available in two grades, clear and white pigmented.

Standards Compliance

ASTM C 309, Type 1
ASTM C 309, Type 1 class D

Packaging

20 liter pails and 200 liter drums

Shelf Life & Storage

12 months shelf life when stored in its original containers under shaded area in a temperature within the range of 5°C to 50°C.

Properties

Appearance	white milky liquid
Dry film appearance	Clear, and white film
Specific gravity @ 25°C	1.02±0.01
PH	7±0.5
Coverage, m ² /l (sprayed)	4 - 5

Application Instructions

The minimum application temperature is 5°C.

Cicocure[®]AR380 should be stirred well before use to ensure even dispersion of the ingredients.

Cicocure[®]AR380 should be sprayed on the surface of fresh concrete. Application should begin immediately after the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface. Cross applies twice for adequate curing. After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be walked on before it is fully dry and care should be taken to ensure that the film is not broken.

Cicocure[®]AR380 may be applied on the surface of newly hardened concrete immediately after de-shuttering. In such cases the concrete surface must be damp and not dry.

Handling Precautions

- Avoid close spraying with pressure on fresh concrete.
- Gloves: Wear chemical-resistant gloves to prevent skin contact.
- Eye Protection: Use safety goggles or face shields to protect your eyes from splashes.
- Respiratory Protection: If working in poorly ventilated areas or enclosed spaces, wear an approved respirator to avoid inhaling vapors, especially in solvent-based formulations.
- Protective Clothing: Wear long sleeves and pants to protect skin from contact.

Over Coating

There will be no need to remove **Cicocure®AR380** to apply any after curing application wither water or damp-proofing material, as the nature of the product can be considered as a primer for subsequent application

Limitation

Cicocure®AR380 should not be continuously stirred in high shear pumps because this may cause a breakdown of the emulsion. If continuous recirculation is necessary, the sprayer should be fitted with a low shear diaphragm pump.

Cleaning & Disposal

Spillages of **Cicocure®AR380** should be hosed down with large quantities of water or absorbed onto fine sand and disposed of in accordance with local legislation.

Precautions Health and Safety

Cicocure®AR380 is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

Technical Support

CIC provides on-site assistance and consulting services on projects when requested. Technical data sheets on other **CIC** products and guidance on their use are available on request.



Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to **CIC's** standard terms and conditions of sale. Whilst **CIC** endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and **CIC** reserves the right to change the product without prior notice.