

# CURECRETE C 300A

## Concrete Curing and Sealing Compound

**CURECRETE C 300** is a water based, advanced acrylic formula, curing compound and water sealer/repellent in one. It's a special liquid formulation, curing and sealing compound based on acrylic resin emulsion, wetting agent and additive. It is used to prevent rapid evaporation of water from fresh concrete ensuring uniform hydration, adequate strength development and also minimize plastic shrinkage cracks.

It is also used to seal concrete against ingress of waterborne salts such as chlorides, sulphates and atmospheric carbon dioxide gas. It has excellent curing and sealing properties. CURECRETE C 300 is very cost effective and labor saving eliminate.

Excellent UV stable curing and sealing performance from a ready-to-use, sprayable, user-friendly curing agent

### Benefits

- Controls water retention and evaporation rates in newly placed concrete to provide added strength and protection
- Seals and protects cured concrete surfaces against moisture penetration
- Provides for complete development of concrete's wear resistance and strength properties.
- will reduce the loss of and rapid evaporation of surface water, especially critical in gusty or windy conditions, control initial expansion and ultimate shrinkage thereby eliminating or reducing shrinkage cracks
- Provides the proper moist condition and maintains a perfect curing environment for concrete.
- Produces hard, dense concrete ... minimizes hair checking, thermal cracking, dusting and other defects.
- Offers a compressive strength significantly greater than improperly or uncured concrete.
- When used as a curing compound, CURECRETE C 300 does not require any additional curing time before flooring can be installed, provided complete hydration of the slab has taken place. This accelerates the normal time frame allowing for non-interrupted scheduling of the project
- Non toxic, non irritating, non flammable, easy to use and environmental friendly.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to the abrasion and corrosive actions of salts and chemicals.
- Ready to spray because of low viscosity.
- VOC compliant :- VOC content is <50 g/L.

### Standards

Meets the requirements of ASTM C – 309 Type 1 Class B and Type 2 Class B

### Specification Properties

Construction	Clear/Opaque/White liquid
Water retention	Pass ( ASTM C 309)
Flash Point	≥100°C
Drying time	60 to 120 mints according to the atmosphere temperature
Cured film appearance	Clear or White



engineered to perform

## Direction For Use

Before using, stir CURECRETE C 300 in the can. Transfer contents to a conventional back pack spray machine and apply top fresh concrete evenly and uniformly. Maintain uniform spraying pressure to avoid puddles. Apply CURECRETE C 300 at the earliest opportunity immediately when initial bleed water has disappeared. On formed concrete, wash the surface of the concrete with clean water immediately after removing the forms. Immediately after surface water has disappeared, apply CURECRETE C 300 by spray, roller or brush.

## Application Rate

**CURING:** Apply at the rate of 5 square meters per liter, one coat.

**SEALING:** Apply at the rate of 5 square meters per liter per coat.

Two coats recommended allowing first coat to dry for at least 3 hours but not more than 36 hours.

## Surface Finishes

CURECRETE C 300 acts as a primer for water-based emulsion paints such as PVA, Acrylic, Ethylene Vinyl Acetate, PVC, etc.

It is also compatible with bituminous emulsion and latex-modified cementitious renders and tile adhesive.

## Clean Up

Prior to drying, equipment may be easily cleaned with soap and water. Once dried, use mineral spirits or other suitable petroleum solvent.

## Health and Safety

4Using gloves, goggles and other protective clothing is advised to use C-300

4If swallowed, do not induce vomiting

Direct contact may result in mild irritation. Read and follow all application, label, precautions, and health and safety information prior to use. Refer to the Material Safety Data Sheet for complete health and safety information.

## storage

15 months if stored at 35°C under shed.

## Packing

CURECRETE C 300 is available in 20 Ltr. Pail 200 Ltr. drum.

## Precautions

Keep From Freezing. Do not apply when the temperature of the air and/or the concrete is less than 40° F (4° C). DO NOT MIX OR DILUTE WITH ANY OTHER PRODUCTS OR LIQUIDS. Do not use on surfaces that are later to be painted, tiled, hardened, sealed or treated in any manner. Do not use on patios, sidewalks or other areas where there is typically no wheel traffic to abrade the white film surface. Not recommended for use on residential applications.

Note: All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

