



# C<sup>2</sup> SALT SAFE

C<sup>2</sup> Salt Safe™ is a ready-to-use water-based, VOC compliant silane/siloxane water repellent and “chloride screen” for the protection of concrete and masonry. This easy to apply treatment penetrates more deeply than conventional water or solvent-based water repellents.

C<sup>2</sup> Salt Safe™ protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts. C<sup>2</sup> Salt Safe™ shields horizontal surfaces such as driveways, sidewalks, and tile or brick pavers. This product also provides excellent protection for retaining walls, bridge pilings and other vertical areas exposed to de-icing salts.

In coastal areas, C<sup>2</sup> Salt Safe™ protects against salt air by screening chlorides from penetrating through concrete to the reinforcing steel. C<sup>2</sup> Salt Safe™ reduces rebar corrosion and surface spalling caused by water-carried salts.

C<sup>2</sup> Salt Safe™ is also an effective alternative to conventional solvent-based silanes and siloxanes. It penetrates and chemically bonds deep within the concrete or masonry substrate to provide long-lasting protection against moisture intrusion and water related staining or deterioration. When properly applied, treated surfaces keep their natural breathing characteristics and natural appearance and no surface film is created.

## ADVANTAGES

- Long Lasting Protection produced by deeper penetration on vertical and horizontal surfaces.
- Safe and easier to apply. The water-based formula minimizes explosion and fire hazards associated with alcohol or solvent-based water repellents.
- Easy to use
- Soap and water cleanup on window glass, window frames and application equipment.
- Alkaline Stable; suitable for new “green” concrete, 14-28 days old.
- Treated Surfaces “Breathe”; Does not trap moisture.
- Provides protection against de-icing salts and salt air.

## Limitations

- Not suitable for application to synthetic resin paints, gypsum or other non-masonry surfaces. The product may not be suitable for surfaces to receive paints or coatings. Always test for compatibility.
- Not suitable for protecting surfaces subject to constant water spray (car washes).
- Not suitable for application to coated surfaces or surfaces previously treated with water repellents or liquid hardeners.
- Water repellency of treated surfaces will increase for up to 14 days after application.
- Will not prevent water penetration through structural cracks, defects or open joints.
- Not recommended for below grade applications.

## TYPICAL TECHNICAL DATA

FORM	Clear liquid
SPECIFIC GRAVITY	0.997
pH	7-8
WT/GAL	8.24 lbs
ACTIVE CONTENT	4.2%
TOTAL SOLIDS	5%
VOC CONTENT	<400 g/L <120g/L low solids
FLASH POINT	100° C (212° F) ASTM D 3278
FREEZE POINT	0° C (32° F)
SHELF LIFE	1 year in tightly sealed, unopened container

## REGULATORY COMPLIANCE

### VOC Compliance

C<sup>2</sup> Salt Safe is compliant with the US Environmental Protection Agency’s AIM VOC regulations.

Contact us at [sales@cretecolors.com](mailto:sales@cretecolors.com) for compliance questions with individual country regulations.

**24-Hour Emergency Information:**

**INFOTRAC at +1-352-323-3500**



## PREPARATION

Protect people, property, vehicles and all surfaces not set for treatment from spray, wind drift and fumes. Protect and/or divert pedestrian and auto traffic. Though C<sup>2</sup> Salt Safe™ has very little odor, avoid exposing building occupants to fumes. Maintain adequate ventilation when working on interior surfaces.

Thoroughly clean the surface using the C<sup>2</sup> Clean™ product. Remove any curing compound or previous sealer whose surface contaminants may interfere with C<sup>2</sup> Salt Safe™ ability to penetrate the surface.

Although C<sup>2</sup> Salt Safe™ may be applied to slightly damp surfaces, best performance is achieved on clean, visibly dry and absorbent surfaces. Excessive moisture inhibits penetration and reduces the service life and performance of the treatment. C<sup>2</sup> Salt Safe™ will not impair adhesion of most sealing and caulking compounds.

Protect window glass before using C<sup>2</sup> Salt Safe™. If protecting windows is impractical, follow these steps:

1. Clean window glass thoroughly before applying C<sup>2</sup> Salt Safe™ to nearby concrete or masonry.
2. Try to keep C<sup>2</sup> Salt Safe™ off the glass.
3. Do not use C<sup>2</sup> Salt Safe™ in wind or when air or surface temperatures are hotter than 35°C (95°F).
4. After treated surfaces have been protected from water for 6 hours, if product is on window glass, clean as soon as possible with soap and warm water.

### Surface & Air Temperatures

Air and surface temperature should be 4°C to 32°C (40°F to 90°F) during application and for 8 hours following. On warm days, apply early in the day and to shaded areas.

If freezing conditions exist before application, let masonry thaw thoroughly. Subfreezing temperatures will freeze/crystallize C<sup>2</sup> Salt Safe™, inhibiting penetration and significantly impairing results.

### Equipment

Apply with a brush, roller or low-pressure spray. Fan tips are recommended for sprayers. Do not atomize.

### Storage & Handling

Store in a cool, dry place away from potential ignition sources. Keep tightly sealed when not dispensing.

Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain a temperature of 7–38°C (45–100°F). Do not double stack pallets. Do not reuse container or remove labels. Keep this and other chemicals out of the reach of children.

### Packaging

3.5L, 20L or 200L Containers

## APPLICATION

Read “Preparation” and the Safety Data Sheet before use.

ALWAYS TEST a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

Pre-testing will confirm suitability of surface preparation and application procedures proposed for general application, and will also determine the average coverage rates to be maintained over the entire project.

### Dilution & Mixing

Do not dilute or alter C<sup>2</sup> Salt Safe™ or use for purposes other than specified. Stir or shake well before use.

### Typical Coverage Rates

2.5 – 7.5 m<sup>2</sup>/L  
(100–300 ft<sup>2</sup>/ US Gallon)

PLEASE NOTE: Coverage rates are offered for estimating purposes only. Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times.

## Application Instructions

### Horizontal Application Instructions

1. Apply in a single saturating coat. Use enough to keep the surface wet for 2–3 minutes before penetrating. Do not over apply.
2. Broom out all puddles thoroughly until they penetrate the surface. Wipe up all excess material.



## Vertical Application Instructions

For best results, apply “wet-on-wet” to a visibly dry and absorbent surface using the following application techniques:

### SPRAY:

Saturate from the bottom up. Apply enough for a 15–20 cm (4–8”) rundown below the spray contact point. Let the first application penetrate for 5–10 minutes. Reapply as needed in the same saturating manner. Less material will be needed for the subsequent applications.

PLEASE NOTE: When spray application to fluted architectural block, spray in an overlapping X pattern for complete coverage of recessed surfaces.

### BRUSH OR ROLLER:

Apply uniformly, saturate the surface and let product penetrate for 5–10 minutes. Brush out heavy runs and drips that do not penetrate.

### Dense Surface Application Instructions

Test for application rate. Apply a single coat with sufficient product to completely wet the surface without creating drips, puddles or rundown.

Treated surfaces will dry to touch within 1 hour. Protect surfaces from rainfall for a minimum of 6 hours following treatment. Treated surfaces will be ready for pedestrian and vehicle traffic in 24 hours.

Many surfaces may require several days to achieve their full water repellency properties.

### PAINT ADHESION

Surfaces being treated with C<sup>2</sup> Salt Safe™ may be coated with silicone emulsion paints or many oil-based paints. Always test to assure adhesion.

Adhesion may be improved if surface is pressure-rinsed and allowed to dry before application. Adhesion of some cementitious coatings, plaster, stucco, etc. may be adversely affected. Such surface treatments should be installed and allowed to thoroughly cure before installation of C<sup>2</sup> Salt Safe™. Always test to verify compatibility between C<sup>2</sup> Salt Safe™ and other proposed surface treatments.

## Cleanup

Clean tools, equipment and surfaces affected by over spray with soap and warm water.

## WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

Crete Colors International warrants this product to be free from defects. *Where permitted by law, Crete Colors makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.* The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. Crete Colors International’s liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves Crete Colors from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability.

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