



C² SALT SAFE

C² Salt Safe a ready-to-use waterbased, VOC compliant silane/siloxane water repellent and “chloride screen” for the protection of concrete and masonry. C² Salt Safe penetrates more deeply than conventional water- or solvent-based water repellents. Low odor and alkaline stable, C² Salt Safe is ideal for field or in-plant application to concrete and most masonry. C² Salt Safe protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts. In coastal areas, C² Salt Safe protects against salt air by screening chlorides from penetrating through concrete to the reinforcing steel. C² Salt Safe reduces rebar corrosion and surface spalling caused by water-carried salts.

Use C² Salt Safe on horizontal surfaces such as driveways, sidewalks, and tile, brick and sandstone pavers. Provides excellent protection for retaining walls, bridge pilings and other vertical areas exposed to de-icing salts. C² Salt Safe is an effective alternative to conventional solvent-based silanes and siloxanes. C² Salt Safe 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. Properly applied, C² Salt Safe produces no surface film. Treated surfaces keep their natural breathing characteristics and natural appearance.

ADVANTAGES

- Penetrates to produce long-lasting protection on vertical or horizontal surfaces.
- Water-based formula minimizes explosion and fire hazards associated with alcohol- or solvent-based water repellents.
- Easy soap-and-water cleanup from window glass, window frames and equipment.
- Low odor reduces risk of application to occupied buildings.
- Alkaline stable – suitable for new “green” concrete, 14–28 days old.
- Treated surfaces “breathe” – doesn’t trap moisture.
- Effective protection against de-icing salts and salt air.
- Complies with all known national, state and district AIM VOC regulations.

Limitations

- Not for use on natural stone, except sandstone.
- Do not apply at temperatures above 95°F (35°C). Higher temperatures evaporate the water carrier, which may result in an uneven appearance.
- Always test for proper penetration when applying to tightly troweled concrete, such as garage floors.
- 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.
- Will not prevent water penetration through structural cracks, defects or open joints.

- C² Salt Safe is 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 recommended for below-grade application

TYPICAL TECHNICAL DATA

FORM	White liquid, odorless
SPECIFIC GRAVITY	0.997
pH	7-8
WT/GAL	8.24 lbs
ACTIVE CONTENT	5%
TOTAL SOLIDS	4.2%
VOC CONTENT	<25 g/L low solids coating
FLASH POINT	>100°C (212°F)
FREEZE POINT	0°C (32°F)
SHELF LIFE	1 year in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

C² Salt Safe is compliant with the US Environmental Protection Agency’s AIM VOC regulations.

Contact us at sales@cretecolors.com for compliance questions with individual country regulations.

PRODUCT DATA SHEET: C² Salt Safe



SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

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 C² 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 appropriate Crete Colors product. Remove any curing compound or previous sealer. Contaminants on the surface, including curing compounds and previous sealers, may interfere with C² Salt Safe's ability to penetrate the surface.

Though C² 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. Clean newly constructed and repointed surfaces before application. C² Salt Safe won't impair adhesion of most sealing and caulking compounds. Always test for compatibility.

Protecting Window Glass

Protect window glass before using C² Salt Safe. If protecting windows is impractical, follow these steps:

1. Clean window glass thoroughly before applying product to nearby concrete or masonry.
2. Do not use C² Salt Safe in wind or when air or surface temperatures are hotter than 95°F (35°C).
3. Try to keep product off the glass.
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

Surface and air temperatures should be at least 4° C (40° F) during application and for 8 hours following, and should not exceed 35° C (95° F).

Higher temperatures evaporate the water carrier, reducing penetration and may result in an uneven appearance. Apply to shaded surfaces and before daytime air and surface temperatures reach their peak. Keep containers closed and out of sunlight when not in use.

If freezing conditions exist before application, let masonry thaw thoroughly. Subfreezing temperatures will freeze/crystallize C² Salt Safe, inhibiting penetration and significantly impairing results.

Packaging

3.5L, 20L or 200L containers

Equipment

Recommended application is by high volume, low-pressure spray. Fan tips are recommended to avoid atomization of the material.

Storage & Handling

Keep from freezing. Store in a cool, dry place. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures of 7–38°C (45–100°F). Do not double stack pallets. Dispose of unused product and container in accordance with local regulations.

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.

Dilution

Apply as packaged. Do not dilute or alter, or use other than as specified. Stir material thoroughly before application.

Typical Coverage Rates

Coverage rate will vary with concrete quality and porosity. Always test. Typical coverage is:

- 1.5 – 7.5 m² per Liter
- 50 – 300 ft² per US gallon



Vertical Application Instructions

For best results, apply “wet-on-wet” to a visibly dry and absorbent surface.

Spray Application: saturate from the bottom up. Apply enough for a 15–20 cm (4 to 8 inch) rundown below the spray contact point. Let the first application penetrate for 5–10 minutes. Reapply in the same saturating manner. Less material will be needed for the second application.

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

Brush or Roller: Recommended for small scale application or when spray is not appropriate. Contact Crete Colors for more information. Apply uniformly. Saturate the surface. Let product penetrate for 5–10 minutes. Brush out heavy runs and drips that do not penetrate.

Horizontal Application Instructions

NOTE: Always test for proper penetration on tightly troweled concrete, such as garage floors, where the tight finish or residual curing and sealing compound(s) may interfere with C² Salt Safe’s ability to penetrate the surface.

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.

Dense Surface Application Instructions

Apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate. When treating tightly troweled concrete, such as garage floors, always test for proper penetration before overall application. See “NOTE” above for Horizontal Application.

Dry Time

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. Water repellency of treated surfaces will increase for up to 14 days after application.

Cleanup

Clean tools and equipment with soap and water.

BEST PRACTICES

Use the appropriate prep cleaner to remove contaminants from existing concrete before applying C² Salt Safe. Stains and soiling may interfere with proper penetration. For recommendations on removing stains and coatings, visit www.cretecolors.com or contact Crete Colors directly.

Do not apply when surface and air temperatures exceed 35°C (95°F). High temperatures evaporate the water carrier, reducing penetration and may result in uneven appearance. Apply to shaded surfaces and before daytime air and surface temperatures reach their peak. Keep containers closed and out of sunlight when not in use. Recommended application is by high volume, low-pressure spray. Use a fan-type spray tip and adjust pressure to avoid atomization of the material.

For small scale application, or when spray application is not appropriate, brushes or rollers may be used. Contact Crete Colors for more information on brush/roller application.

Always test for proper penetration on tightly troweled concrete. The tight finish or residual curing and sealing compound(s) may interfere with C² Salt Safe’s ability to penetrate the surface. On smooth, trowel-finished concrete, such as garage floors, C² Stain Safe or C² Repel may be more appropriate.

Always saturate the surface uniformly. Give the treatment a few minutes to penetrate, but brush out pools and puddles quickly.

PRODUCT DATA SHEET: C² Salt Safe



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.

This warranty may not be modified or extended by representatives of Crete Colors, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Email us at sales@cretecolors.com for technical support.

Factory-trained representatives are established in countries around the world. Contact us or visit our web site at www.cretecolors.com, for the name of the Crete Colors representative in your area.