

C² ULTRA SEAL

C² Ultra Seal is a durable, protective coating that dramatically increases the stain resistance of interior and exterior concrete floors. This non-yellowing formulation enhances the appearance of standard gray, integrally colored, dyed, stained or color-hardened concrete floors. If preferred, treated surfaces may be burnished to produce a high-gloss finish. C² Ultra Seal is ideal for floors that are prone to accidental spills of food products, household cleaners and industrial solutions.

ADVANTAGES

- Produces a long-lasting, tough protective shine on any interior or exterior concrete flatwork.
- Perfect for surfaces hardened and dust proofed with C² Hard, C² Super Hard or C² Hard Blend.
- Helps prevent problems related to water penetration of concrete.
- Adds depth and luster to colored concrete, including surfaces decorated with C² Color Hard or C² Tint.
- Keeps soiling and contaminants from penetrating. Simplifies maintenance cleaning.
- Treated surfaces maintain slip resistance.
- Low odor. Easy to apply. Fast drying.
- UV stable. Will not yellow, discolor, peel or flake.
- Non-flammable. Non-toxic. Water-based

Limitations

- Not for use around pools or fountains.
- Will not compensate for structural defects. Surfaces must be clean and in good repair before application.

TYPICAL TECHNICAL DATA

FORM	Milky, white liquid
SPECIFIC GRAVITY	1.01
pH	8.4
WT/GAL	8.5 lbs
ACTIVE CONTENT	15%
TOTAL SOLIDS	15%
VOC CONTENT	100 g/L maximum
FLASH POINT	>93°C (200°F)
FREEZE POINT	0° C (32° F)
SHELF LIFE	2 years in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

C² Protector 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.

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, vehicles, property, plants and all surfaces not set to receive C² Ultra Seal from product, splash and wind drift. Use polyethylene or other proven protective material. C² Ultra Seal may be applied to existing, cured concrete of any age. Surfaces must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris using the appropriate Crete Colors surface prep cleaner.

Follow the appropriate cleaner with thorough water rinsing. If a d-limonene based cleaner/ stripper is used, clean treated surfaces with C² Degrease and rinse thoroughly.

Acid-stained concrete must be thoroughly neutralized and rinsed prior to application. Application may begin as soon as prepared surfaces are dry.

Surface & Air Temperatures

Temperatures for application should be 4–38° C (40–100°F).

Equipment

Apply with low-pressure sprayer fitted with a solid cone spray tip. Do not atomize

Storage & Handling

Keep from freezing. Store in a cool, dry place. Do not alter or mix with other chemicals. Always seal container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures of 4°C–38° C (40°F–100° F). Do not double stack pallets. Dispose of unused product and container in accordance with local regulations.

Packaging

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. Apply as packaged. Stir or mix well before use.

Typical Coverage Rates

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. The following figures are for estimating only:

Exterior Surfaces

- 5– 15 m²/L
- 200–600 ft²/ US gal

Interior Surfaces

- 10– 20 m²/L
- 400–800 ft²/ US gal

Application Instructions

Interior surfaces:

C² Ultra Seal may be applied to broomed, steel troweled, honed, polished or highly polished interior concrete surfaces. For best results, treat floors with C² Super Hard, C² Hard or C² Hard Blend before application.

1. Lightly wet a clean microfiber pad with C² Ultra Seal, leaving the pad damp.
2. Spray-apply using a clean, pump-up sprayer fitted with a 0.5 gpm conical or fan spray tip. Work from one control joint to another.

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3. Spread with the damp microfiber pad. Maintain a thin, even coating and wet edge. Stop spreading once drying begins. Do not overlap. Use two people – one spraying and one spreading – for best results.
4. Allow to dry tack free, typically 20–60 minutes.
5. Repeat steps 1–4. Two thin coats are recommended for maximum protection and shine. For increased gloss, wait at least 60 minutes after the final coat is applied, then use a high-speed burnisher fitted with a white polishing pad. Burnish at a fast walking pace. This is an optional step.

Exterior Surfaces:

C² Ultra Seal may be applied to broomed, stamped or steel-troweled concrete. Cover surfaces uniformly, creating a continuous film.

1. Use a clean pump-up sprayer or other approved spray equipment to apply product in a continuous, circular motion. Work from one control joint to another. Maintain a wet edge. Avoid overlaps onto previously treated and dried surfaces. Use a soft bristle broom to move excess material from low spots.
2. Allow to dry tack free, typically 20–60 minutes.
3. Repeat steps 1–2 above as needed. Two coats provide maximum protection and shine.

Drying Time

Under typical conditions, the surface is ready for light traffic within 4 hours of final application. Protect from water exposure for at least 4 hours. At 72°F (22°C), 40% Relative Humidity, typical product dry times are:

Dryness	Time
To touch	30–60 minutes
Light foot traffic	4 hours
Normal traffic	overnight
Maximum protection	7 days

Cleanup

Before product dries, clean tools and equipment with fresh water. Immediately wash off over spray from glass, aluminum, polished or other surfaces with fresh water.

Maintenance

Interior surfaces:

Sweep the floor daily with a microfiber pad or dry dust mop. When needed, dry buff with a high-speed burnisher and a white pad to refresh the gloss.

C² Ultra Seal improves the resistance of concrete floors to staining. However, acidic substances, including foods, may etch and stain. Clean ALL spills as quickly as possible.

Use C² Maintenance or C² Clean for maintenance cleaning. C² Maintenance contains lithium-silicate for improving surface density and preserving the surface sheen of Crete Colors floors. Do not use other cleaners, including off-the-shelf and common household cleaners, which may contain acidic or alkaline ingredients that can dull the finish of Crete Colors floors.

To restore maximum shine to high traffic areas, repeat Application Instructions steps 1–5 in affected areas.

BEST PRACTICES

Only apply C² Ultra Seal to clean, dry and absorbent concrete. Surfaces to be treated should wet uniformly. Confirm absorbency with a light water spray. Thoroughly neutralize and rinse acid-stained concrete before applying C² Ultra Seal. For best results, harden and dust proof concrete with C² Super Hard, C² Hard or C² Hard Blend before applying C² Ultra Seal.

In hot, dry weather conditions, lightly pre-wet the concrete with a clean water mist to cool. Apply C² Ultra Seal once the concrete surface is dry.

To minimize scuffing on honed or polished concrete, apply two thin coats rather than a single heavy coat. To increase gloss, wait at least 60 minutes after the final coat of C² Ultra Seal is applied, then burnish with a high-speed burnisher using a white polishing pad. Burnish at a fast walking pace. This is an optional step.

Use C² Clean as part of a comprehensive maintenance program that includes deep cleaning with C² Maintenance. Conventional floor cleaners may dull high-gloss finishes. C² Cleaners contain no harsh acids, alkalines, solvents or abrasives.

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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.

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.