

C² Ultra Seal™

Glossy and Protective Sealer for Indoor Concrete

DESCRIPTION

C² Ultra Seal™ is a durable, chemical resistant, high-gloss, protective coating that dramatically increases the stain resistance of interior concrete floors.

C² Ultra Seal™ is ideal for steel-troweled, burnished, polished or decorative concrete and cement terrazzo floors that are exposed to accidental spills of food products, household cleaners and industrial solutions.

This chemical-resistant, non-yellowing formulation enhances the appearance of standard gray, integrally colored, dyed, stained or color-hardened concrete floors.

BENEFITS

Durable

Produces a long-lasting, tough protective shine on any interior concrete flatwork

Integrated

Perfect for floors hardened and densified with C² Super Hard™ and C² Hard™.

Illuminates

Adds depth and luster to colored concrete, including surfaces decorated with C² Tint™ and C² Color Hard™

Protective

Keeps soil and contaminants from penetrating, making maintenance cleaning faster, more effective and more economical.

Slip Resistant

Treated floors maintain slip resistance. Slip resistance is not diminished with high gloss.

Versatile

UV stable. Low odor. Easy to apply. Fast drying. Will not yellow, discolor, peel or flake.

Planet Safe

C² Ultra Seal™ is water-based, non-toxic, no smell, non-flammable, complies with all known national, state and district AIM VOC regulations.

COMPLIANCE

Complies with all known national, state and district AIM VOC regulations.

X	California Air Resources Board SCM Districts
X	South Coast Air Quality Management District
X	Maricopa County, Arizona
X	Northeast Ozone Transport Commission
X	US Environmental Protection Agency

Limitations

All information provided is accurate to the best of our knowledge and is to be used strictly as a guide.

Handling conditions, installation and use are not in our control therefore we cannot guarantee the results.

- C² Ultra Seal™ is for use on indoor, horizontal concrete surfaces only.
- Will not compensate for structural defects. Will not repair damaged surfaces and

cracks. Surfaces must be clean, repaired and in good condition before application.

For additional testing information contact Crete Colors International at: support@cretecolors.com

Technical Data

FORM	Milky white liquid
SPECIFIC GRAVITY	1.01
ACTIVE CONTENT	15.0%
TOTAL SOLIDS	15.0%
pH	8.4
WT/GAL	8.5 lbs
FLASH POINT	>93°C (>200°F)
FREEZE POINT	0°C (32°F)
VOC CONTENT	100 g/L maximum
SHELF LIFE	2 years in factory sealed container

SURFACE

PREPARATION

Please read: SAFETY INFORMATION on the label and SURFACE PREPARATION before use and application

Surface

Protect people, vehicles, property, plants and all nearby surfaces not to be treated from contact with the product, wind drift or overspray. Use polyethylene or other proven protective material.

Mask off all surrounding areas. Always prepare a test sample to ensure that the desired color and results are achieved on the specific substrate.

PLEASE NOTE:

C² recommends that a waterproof barrier should be included in the

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construction of the floor to prevent upward migration of moisture from beneath the concrete flat work.

The concrete surface must be free of any material that would prohibit application.

SOLUTIONS

Remove all curing compounds and other surface contaminants using the appropriate C² surface preparation cleaner, as listed below:

C² Wash™ – Concrete laitance and construction soiling from freshly placed and cured concrete

C² Maintenance™ – General soiling and fine dust from ground/polished concrete

C² Remove™ – Curing compounds, mastics, tire marks, wax remover

C² Stain Clean™ – Oil and grease stain remover

C² Clean™ – For cleaning and degreasing light-to-heavy soiled concrete.

Always follow the appropriate cleaner with thorough water rinsing.

Acid-stained concrete must be thoroughly neutralized and rinsed prior to application.

C² Ultra Seal™ may be applied to existing concrete, cured concrete of any age. The application can begin

as soon as prepared surfaces are clean and dry. Do not apply to surfaces, which are frozen, dirty or have standing water.

Surfaces must be clean, dry and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil and construction debris.

Always prepare a test sample to ensure that the desired results are achieved on the specific substrate.

Equipment

Use a low-pressure sprayer. Do not atomize.

Air and Surface Temperature

Air and surface temperature should be 4°C to 38°C (40° F to 100° F).

Manufactured under contract for:

Crete Colors International, LLC,
8380 South Kyrene Rd. Suite #107
Tempe, AZ 85284, USA.

Tel: +1-480-426-0424

Fax: +1-480-499-5550

E-mail: support@cretecolors.com

STORAGE AND HANDLING

Maintain temperature of 4-38° C (40-100° F), protect from extreme temperatures and keep from freezing. Do not double-stack pallets. Published shelf life assumes upright storage of factory-sealed container in a cool dry place. Do not alter or mix with other chemicals. Thaw and Mix well before using and always seal container after dispensing. Dispose of unused product and container in accordance with local regulations.

Do not reuse container or remove labels.

Keep this and other chemicals out of the reach of children.

PACKAGING

20L or 200L Containers

ALWAYS TEST

each surface for suitability and desired results before application. For best results follow "Application Instructions". Let surface dry thoroughly before inspection and final approval.

Dilution

Do not dilute; apply as packaged. Use as specified. Mix well before use

COVERAGE RATES

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.

ESTIMATED COVERAGE RATES

10-20 m²/L

400-800 ft²/US gallons

Calculating Project-Specific Target Coverage Rate

1. Prepare the test area using the information in the "Preparation" section. Surfaces must be clean, dry and absorbent.

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2. Add 1-gallon of Ultra Seal to a clean, pump-up sprayer fitted with a 0.5 gpm conical or fan spray tip.

Apply according to the following application Instructions. Repeat as needed for the desired level of finish.

3. Measure the test area and the amount of C² Ultra Seal™ applied to establish the Target Coverage Rate per gallon. Protect the completed test area from moisture for at least 4 hours.

Application Instructions

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™ or C² Hard™ before application.

1. Lightly wet a clean microfiber pad with C² Ultra Seal™, leaving the pad damp.
2. Spray-apply C² Ultra Seal™ using a clean, pump-up sprayer fitted with a 0.5 gpm conical or fan spray tip. Work from one control joint to another.
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 the surface to dry tack free, typically 20-60 minutes.
5. Repeat steps 1–4. Two coats are recommended for maximum protection and shine.
6. To increase gloss, use a high-speed burnisher between each coat, fitted with a soft white burnishing Pad. Burnish at a fast walking pace.

Under typical conditions, the surface is ready for light traffic within 1-hour of final burnishing. Protect from water for 4 hours.

C² Ultra Seal™ gains its full stain repellency properties in 7 days.

CLEANUP

Clean tools and equipment with fresh water before products dries. Immediately wash with fresh water over sprayed glass, aluminum, or other surfaces.

MAINTENANCE

Use C² Maintenance™, our high quality, lithium based solution for cleaning and maintaining the lithium treated surfaces. This proprietary product was developed to further enhance long-term performance of the finished concrete floor.

Do not use acidic cleaners to maintain treated floors. Clean up all spills quickly to minimize any possible damage. All sealers, both penetrating and coatings will only slow down the staining process. Daily removal of surface dust and debris with a microfiber pad or dry dust mop will help maintain the

desired appearance. Regular maintenance cleaning will improve surface shine. To refresh gloss surface, dry buff periodically with high-speed burnisher and a white soft burnishing pad.

To restore maximum shine to high traffic areas, repeat Application Instructions steps 1–7 in affected areas.

RECOMMENDATIONS

The C² recommendations for surface preparation and product application must be followed.

Only apply C² Ultra Seal™ to clean, dry and absorbent concrete. Confirm absorbency with a light water spray – surfaces to be treated should wet uniformly.

Thoroughly neutralize and rinse acid-stained concrete before applying C² Ultra Seal™.

For best results, harden/densify floors with C² Hard™ or C² Super Hard™ before applying C² Ultra Seal™. For best durability, stain resistance and gloss, burnish each dried coat of C² Ultra Seal™ with a high-speed burnisher using a soft white burnishing pad.

Always use C² Clean™ or C² Maintenance™ for maintenance cleaning of concrete floors. Conventional floor cleaners may dull high-gloss finishes. Our products contain no harsh acids, alkalis, solvents or abrasives.

Consult Crete Colors International or its local representative regarding applications in extreme or unusual weather conditions.

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SAFETY INFORMATION

Your safety is our priority. Crete Colors International, LLC is a member of INFOTRAC'S MSDS Partnership Program. In case of any chemical emergency related to our C² products; spill, leak, fire or accident, please contact INFOTRAC free of charge for immediate first aid information.

Online access 24/7 at:

www.infotrac.net

Phone access 24/7 at:

+1 - 352 - 323 - 3500

C² Ultra Seal™ is an alkaline solution. Use appropriate safety equipment and job site controls during application and handling. Read full label and MSDS for precautionary instructions before use.

FIRST AID

Ingestion:

Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.

Eye Contact:

Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention immediately.

Skin Contact:

Wash contacted area with soap and water. DO NOT attempt to neutralize with chemical agents. If irritation persists, seek medical attention.

Inhalation:

Remove affected person to fresh air. Wash mouth and nasal passages with water repeatedly. If breathing difficulties persist, seek medical attention.

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, and 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 International 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.

Crete Colors liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product have 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

International, its distributors or dealers.

CUSTOMER SERVICE:

For technical assistance and product information visit our web site at www.cretecolors.com or e-mail at info@peterfell.co.nz