



C² Gloss™

C² Hard + C² Seal™ SYSTEM – Polished Look Without Polishing

DESCRIPTION

C² Gloss™ is perfect for applications on standard or decorative concrete as well as in-plant treatments of cured cementitious tiles. It is a safer and easier alternative than conventional sodium or potassium silicate hardeners, which are unable to provide the same high glossy finish and superb stain protection. This revolutionary system will allow you to achieve a glossy finish on hard, steel troweled concrete and is the economical alternative to high price polished concrete.

C² Gloss™ is a two-step process requiring one application of our C² Hard™ and two or three very thin applications of C² Seal™. Both products are lithium based, penetrating sealers, hardeners and densifiers for concrete.

C² Hard™ is a deep penetrating lithium silicate treatment, which, upon reaction with concrete, produces an insoluble calcium silicate hydrate within the concrete pores.

C² Seal™ provides high-gloss beauty with the penetrating toughness of an advanced sealer and excellent stain resistance. The C² Seal™ polymeric component will close the concrete with a rich glossy finish making the concrete easy to clean and maintain.

Always burnish between every application of C² Seal™ with a high-speed burnisher using C² Heat™ burnishing pads.

Concrete, new or old, not only dramatically increases in hardness, denseness and durability, but

treated surfaces will also exhibit increased resistance to damage from water, chemical attack and abrasion.

BENEFITS

Durability

C² Hard™ not only densifies and seals the micro-pores in the top layer of concrete but also strengthens and hardens the surface wear layer creating a permanent, extremely hard, marble-like shield.

Elimination of Dusting

In ordinary concrete, tiny particles of dust are pushed to the surface through an upward force called hydrostatic pressure, resulting in efflorescence, which leads to dusting. C² Hard™ eliminates efflorescence and prevents dusting making concrete easy to maintain.

Economical

C² Seal™ glossy finish is obtained with 2-3 thin applications on smooth, steel troweled concrete.

Stain-Resistant

By densifying and sealing the surface, C² Hard™ transforms a porous concrete floor into a floor that is dense enough to repel water, oil, and other contaminants, preventing them from penetrating the surface.

Reduces or Eliminates ASR

C² Hard™ & C² Seal™, reduce or eliminate ASR (Alkali Silicate Reaction) due to the high lithium content. High concentrations of sodium or potassium salts, which can contribute to surface crazing and surface ASR are absent.

LEEDS Certified

Tested and conforms to California Collaborative for High Performance School Indoor Air Quality standards.

Use can contribute to LEED® for schools points.

Planet Safe

C² Hard™ & C² Seal™ are water based, contains no solvents, non-toxic, no smell, complies with all known national, state and district AIM VOC regulations, non-mutagenic & non-carcinogenic (safe in food preparation areas), non flammable, fast drying, easy to apply.

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

Technical Data

C² Hard™ Technical Data

FORM	Clear, water-like liquid
SPECIFIC GRAVITY	1.05
ACTIVE CONTENT	6%
TOTAL SOLIDS	6%
pH	11.0
WT/GAL	8.6 lbs
FLASH POINT	Not flammable
FREEZE POINT	0°C (32°F)
VOC CONTENT	<20g/L
SHELF LIFE	2 years in unopened, factory sealed container



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C² Seal™ Technical Data

FORM	Milky white liquid
SPECIFIC GRAVITY	1.11
ACTIVE CONTENT	22%
TOTAL SOLIDS	22%
pH	11.0
WT/GAL	9.2 lbs
FLASH POINT	NA
FREEZE POINT	0°C (32°F)
VOC CONTENT	<100g/L
SHELF LIFE	1 year in unopened, factory sealed container

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.

For internal use only.

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

SURFACE PREPARATION

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

New and existing concrete, concrete with dry shakes, polished concrete, colored concrete, acid-stained concrete, stamped concrete, cementitious tiles, terrazzo, concrete treaded with sodium or potassium silicate hardeners.

Protect people, vehicles, property, plants and all nearby surfaces from product, residue, splash, fumes and

wind drift. Mask off all surrounding areas and use polyethylene or other proven protective material.

Equipment

For both products use a low-

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.

pressure sprayer and soft-bristled push broom, squeegee or microfiber pad.

Air and Surface Temperature

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

Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products

manufactured under contract for Crete Colors International, LLC and should not be viewed as a complete source of information about the product(s). The Architect should always refer to the Product Data Sheet and MSDS for additional recommendations and for safety information

Specifier Note: Paragraph below is for PART 1 GENERAL, Quality Assurance.

Test Area: Test a minimum 1.5m x 1.5m (5ft. x 5ft.) area on each type of masonry. Use Crete Colors International, LLC application instructions.

Specifier Note: Paragraphs below are for PART 2 PRODUCTS, Manufacturers and Products.

Manufactured under contract for:
Crete Colors International
112 S Kyrene Rd Suite 2
Chandler AZ, 85226, USA
Tel: +1-480-426-0424
Fax: +1-480-499-5550

APPLICATION INSTRUCTIONS

C² Hard™ APPLICATION

For surface preparation, application and application instructions refer to C² Hard™ Product Data Sheet for procedures. Apply one application to the prepared surface area.

C² Seal™ APPLICATION

For surface preparation, application and application instructions refer to the C² Seal™ Product Data Sheet for procedures.



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To achieve a high gloss and stain resistant protective sheen, application of up to three thin coats of C² Seal™ is recommended after the initial application of C² Hard™.

First Coat

Using a microfiber pad, apply the first coat at 25-40 m² per liter (1,500 – 2,000 ft² per gallon). Allow the first coat to dry tack free for 20 – 60 minutes. Always burnish between C² Seal™ coats.

Second Coat

Using a microfiber pad, apply the second coat at 40-60 m² per liter (2,000 – 2,500 ft² per gallon). Allow the second coat to dry tack free for 20 – 60 minutes. Always burnish between C² Seal™ coats.

Third Coat

If additional sheen is desired, apply a third coat at a coverage rate of 60-75 m² per liter (2,500 – 3,000 ft² per gallon). Allow to dry for one hour after final coat before opening to traffic. Always burnish between C² Seal™ coats.

ALWAYS burnish between C² Seal™ coats using C² Heat™ burnishing pads.

Application to concrete surfaces previously treated with C² Super Hard™, C² Hard™, sodium and potassium silicate based liquid hardeners or dry shake hardeners will achieve a higher coverage rate.

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 Seal™ is a patented-proprietary water-carried solution. Use appropriate safety and job site controls during application and handling. Read the 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 email at support@cretecolors.com

