



C² Safe Prep™

Non-fuming cleaner and surface prep for concrete

DESCRIPTION

C² Safe Prep™ is an effective, safe alternative to traditional acidic compounds for cleaning and preparing horizontal concrete for densifying and hardening.

C² Safe Prep™ rids concrete of embedded oil, grease, efflorescence and dirt. The cleaner also dissolves a small amount of surface cement, while leaving the aggregate untouched. That mild “etch” creates greater surface area, for more complete penetration and effectiveness of the hardener/densifier and tints -- or any other protective treatment. It is ideal for projects where traditional acidic cleaners are not allowed.

Non-fuming C² Safe Prep™ contains no hydrochloric or other traditional inorganic acids and is safe for use on and around most metal surfaces. Additionally, it is up to 70 percent more effective than citric and glycolic acids, and 50 percent more effective than phosphoric acid.

BENEFITS

Durable

Proven effective for removing common construction soiling.

Updated

Replaces traditional mineral and organic acid products.

Protective

Will not harm most cleaning equipment or metal surfaces. Safe for interior cleaning

Planet Safe

Low odor and water-rinsable. Non-fuming and environmentally responsible.

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 Safe Prep™ is not suitable for polished/unpolished marble, limestone or travertine.
- May cause discoloration and corrosion on certain type of metals. ALWAYS TEST.
- Always dilute with water. If used full strength, C² Safe Prep™ may yellow concrete surface. See dilution rates below.

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

FORM	Clear Purple Liquid
SPECIFIC GRAVITY	1.110
ACTIVE CONTENT	NA
TOTAL SOLIDS	NA
pH	<1.0 @ 1:3 dilution
WT/GAL	9.24 lbs
FLASH POINT	>93°C (>200°F)
FREEZE POINT	-30°C (-22°F)
VOC CONTENT	NA
SHELF LIFE	3 years in unopened, factory-sealed container

Technical Data

SURFACE PREPARATION

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

Surface

Protect people, vehicles, property and all surfaces not set for cleaning from product, splash, wind drift, residue and rinse water.

When possible, finish cleaning before installing windows, doors, light fixtures, hardware, surrounding metal and other items that may be damaged by cleaning. If already in place, protect. Extended contact with the cleaning solution or its vapors may result in discoloration or damage. All caulking and sealant materials should be in place and thoroughly cured before cleaning.



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PLEASE NOTE:

C² recommends that a waterproof barrier should be included in the construction of the floor to prevent upward migration of moisture from beneath the concrete flat work.

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

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.

Equipment

Apply using low-pressure sprayer (0.35 MPa max), roller or masonry washing brush. Do not use high pressure spray.

Rinse with enough water and pressure to flush spent cleaner and dissolved soiling from the masonry surface and surface pores without damage. Inadequate rinsing leaves residues, which may stain the cleaned surface.

Masonry-washing equipment generating 2.75 – 6.90 MPa with a water flow rate of 22-30 liters per minute is the best water/pressure combination for rinsing porous masonry. Use a 15-45° fan spray tip. Heated water (65-82°C; 150-180°F) may improve cleaning efficiency. Use adjustable equipment for reducing water flow rates and rinsing pressure as needed for sensitive surfaces.

Rinsing pressures above 6.90 MPa and fan spray tips smaller than 15° may permanently damage sensitive masonry. Flow rates under 22 liters per minute may reduce cleaning productivity and contribute to uneven cleaning results.

Air and Surface Temperature

To avoid harm to masonry, do not clean when temperatures are below freezing or will be overnight. Best results are obtained when air and masonry surface temperatures are 4°C (40°F) or above. If freezing conditions exist prior to application, let the masonry to thaw.

STORAGE AND HANDLING

Store in a cool, dry place with adequate ventilation. 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 a temperature of 7°C to 38°C (45-100°F). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations. 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

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

C² Safe Prep™ may be diluted with up to three parts clean water, depending on the nature and severity of soiling. Always pour water into empty bucket first then carefully add concentrate.



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COVERAGE RATES

Coverage rates vary based upon severity of soiling, surface texture and porosity. Always test to ensure desired results. The following is provided for estimating purposes only:

- 1 L of concentrate will clean about 3 - 12 m² (must dilute)

(1 quart of concentrate approximately 16- 63 ft²)

- 3.50 L of concentrate will clean about 10.5 - 42 m² (must dilute)

(1 gallon of concentrate approximately 125-500 ft²)

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

Exterior Applications

1. Use clean water to thoroughly prewet surface to be cleaned.

2. Apply liberally using low pressure spray (50 psi max), roller or densely filled masonry washing brush. Do not apply with high pressure spray. Do not atomize.

3. Let C² Safe Prep™ dwell 3-5 minutes. Reapply. Light scrubbing of the surface improves cleaning results especially where high pressure rinsing equipment is not available. Do not let C² Safe Prep™ “dry into” the concrete. If dry starts, reapply.

4. Rinse with clean water, covering each section of the surface with a concentrated stream of water.

Interior Applications

Proper ventilation is necessary. Follow exterior application procedures. If pressure-rinsing is not possible, use a sponge or soft-fibered brush to rinse thoroughly with clean water.

CLEANUP

Always apply to surfaces thoroughly pre-wet with fresh water.

It is extremely important to thoroughly rinse off spent cleaner and dissolved contaminants with lots of fresh water. This ensures there is no residue left that could interfere with the penetration of hardener/densifiers.

RECOMMENDATIONS

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

- Always apply to surfaces thoroughly pre-wet with fresh water.

- It is extremely important to thoroughly rinse off spent cleaner and dissolved contaminants with lots of fresh water. This ensures there are no residues left that could interfere with the penetration of hardener/densifiers.

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 Safe Prep™ is an acidic cleaning product with safety issues common to corrosive materials. Use appropriate safety equipment 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

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