

C² SAFE PREP

C² Safe Prep is an effective, safe alternative to traditional acidic compounds for cleaning and preparing horizontal or vertical concrete for application of additional coatings, including hardeners/densifiers and clear or pigmented coatings. C² Safe Prep rids concrete of embedded oil, grease, excess mortar, 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 any protective treatment. It’s 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.

ADVANTAGES

- Proven effective for removing common construction soiling, including mortar smears.
- Replaces traditional mineral and organic acid products.
- Removes efflorescence on decorative paving treatments.
- Low odor and water-rinsable.
- Non-fuming and environmentally responsible.
- Will not harm most cleaning equipment or metal surfaces.
- Safe for interior cleaning.

Limitations

- Not suitable for polished/unpolished marble, limestone or travertine.
- May cause discoloration and corrosion on certain types of metals. ALWAYS TEST.

TYPICAL TECHNICAL DATA

FORM	Clear purple liquid, pleasant odor
SPECIFIC GRAVITY	1.110
pH	<1.0 @ 1:3 dilution
WT/GAL	9.24 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	not applicable
FLASH POINT	>93°C (200°F) ASTM D3278
FREEZE POINT	-30°C (-22°F)
SHELF LIFE	3 years in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

C² Safe Prep is compliant with all US 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 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.

Surface & Air Temperatures

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

Equipment

Apply using low-pressure (50 psi max) sprayer, roller or densely filled masonry washing brush. Do not use high-pressure spray. Do not atomize.

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 400–1000 psi (2.75–7 MPa) with a water flow rate of 22–30 liters/min (6–8 gallons/min) 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 1000 psi (7 MPa) and fan spray tips smaller than 15° may permanently damage sensitive masonry. Water flow rates less than 22 liters/min may reduce cleaning productivity and contribute to uneven cleaning results.

Storage & Handling

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°). 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 & Mixing

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.

Recommended for these substrates. Always test.

Substrate	Coverage	Type	Use?
Architectural Concrete Block	2.5 – 20 m ² / liter 100 – 400 ft ² / gal	Burnished	Yes
		Smooth	Yes
		Split-faced	Yes
		Ribbed	Yes
Concrete	3 – 12 m ² / liter 125 – 500 ft ² / gal	Brick	Yes
		Tile	Yes
		Precast Panels	Yes
		Pavers	Yes
		Cast-in-place	Yes
Fired Clay	N/A	Brick	No
		Tile	No
		Terra Cotta	No
		Pavers	No
Marble, Travertine, Limestone	N/A	Polished	No
		Unpolished	No
Granite	N/A	Polished Unpolished	No No
Sandstone	N/A	Unpolished	No
Slate	N/A	Unpolished	No

Always test to ensure desired results. Coverage estimates depend on surface texture and porosity

Packaging

3.5L, or 20L containers



Application Instructions

Exterior Surfaces

1. Use clean water to thoroughly pre-wet surface to be cleaned. On vertical surfaces, work from the bottom to the top.
2. Apply liberally. Do not atomize.
3. Let the cleaning solution dwell 3–5 minutes.
4. Reapply. Light scrubbing of the surface improves cleaning results especially where high pressure rinsing equipment is not available. Do not let cleaning solution “dry into” the surface. If solution starts to dry, reapply. NOTE: Thorough rinsing is extremely important. As much water pressure as possible (without damaging the surface) should be used to ensure that all staining elements are completely removed.
5. Rinse with clean water, covering each section of the surface with a concentrated stream of water. On vertical surfaces, work from the bottom to the top, keeping lower surfaces rinsed clean and free of cleaner residue.

Interior Surfaces

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

Clean tools and equipment with fresh water.

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.

BEST PRACTICES

Light scrubbing of the surface improves cleaning results especially where high pressure rinsing equipment is not available.

Do not let cleaning solution “dry into” the concrete. If solution starts to dry, reapply.

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

Do not apply with high-pressure spray. Do not atomize.

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 additional protective treatments.