

Consolideck® SafEtch Cleaning Specification

Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products manufactured by PROSOCO, Inc. 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 4 ft. by 4 ft. area on each type of masonry. Use manufacturer's application instructions. Let the test panel dry 3 to 7 days before inspection. Keep test panels available for comparison throughout the cleaning project.

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

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Product Description

Consolideck® SafEtch is an effective, safe alternative to traditional acidic compounds for cleaning and preparing horizontal concrete for densifying and hardening. SafEtch rids concrete of embedded oil, grease, efflorescence and dirt. The cleaner also dissolves a small amount of surface cement, while leaving the aggregate untouched. This mild "etch" creates greater surface area for more complete penetration and effectiveness of the hardener/densifier or other protective treatment. It's ideal for projects where traditional acidic cleaners are not allowed. Non-fuming SafEtch 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.

Typical Technical Data

FORM: Clear purple liquid

SPECIFIC GRAVITY: 1.110

pH: less than 1.0 at 1 to 3 dilution

WEIGHT/GALLON: 9.24 pounds

ACTIVE CONTENT: not applicable

TOTAL SOLIDS: not applicable

VOC CONTENT: not applicable

FLASH POINT: greater than 200 degrees Fahrenheit (greater than 93 degrees Celsius)

FREEZE POINT: -22 degrees Fahrenheit (-30 degrees Celsius)

Limitations

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

Specifier Note: Paragraphs below are for PART 3 EXECUTION, Installation.

Application

Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for application instructions.

SafEtch 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. Refer to test panel results for recommended dilution for intended use.

Exterior

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 (tampico) masonry washing brush. Do not apply with high-pressure spray. Do not atomize.
3. Let the cleaning solution dwell 3 to 5 minutes. Reapply. Do not let cleaning solution "dry into" the concrete. If solution starts to dry, reapply.
4. Rinse the cleaned area thoroughly using high-pressure spray.

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

SPECIFIER NOTE: The best combination of rinsing pressure and water volume is provided by masonry washing equipment generating 400 to 1000 psi with a water flow rate of 6 to 8 gallons per minute delivered through a 15 to 45 degree fan spray tip. Equipment should be adjustable to reduce water flow rate and rinsing pressure as required for controlled cleaning of more sensitive surfaces. See also "Equipment" section of the Product Data Sheet. Rinse with clean water, covering each section of the surface with a concentrated stream of water.

Interior

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.