Enviro Klean® Safety Klean 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 SDS 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.

# Manufacturer

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# Product Description

Enviro Klean® Safety Klean is an effective, safe alternative to traditional acidic compounds for cleaning brick, tile and concrete surfaces. Safety Klean rids new masonry construction of excess mortar, dirt and other common job-site soiling. It is ideal for projects where traditional acidic cleaners are not allowed. Non-fuming Safety Klean contains no hydrochloric or other traditional inorganic acids and is safe for use on and around most metal surfaces. 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, amber liquid; fresh odor

SPECIFIC GRAVITY: 1.18

pH: 0.35 in concentrate; 0.74 at 1:3 dilution

WEIGHT PER GALLON: 9.56 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)

SHELF LIFE: 3 years in tightly sealed, unopened container

# Limitations

* Not suitable for polished marble, limestone or travertine.
* Can cause discoloration and corrosion on certain types of metals. Always test.
* May damage exposed low-E glass treatments; acrylic and polycarbonate sheet glazing; and glazing with surface-applied reflective, metallic or other synthetic coatings and films. Modern soft coat or hard coat low-E glass is not intended to be on the external face of the glass and should not be exposed to or adversely affected by proper cleaning. Always test for adverse effects prior to overall application. If testing is not feasible or indicates adverse effects, such substrates must be protected.

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 Safety Klean. Dilute Safety Klean concentrate with up to 3 parts clean water. Refer to test area results for recommended dilution for intended use. Refer to Product Data Sheet for additional information regarding proper dilution instructions.

**Exterior Application**

1. Working from bottom to top, use clean water to thoroughly prewet surface to be cleaned.
2. Apply Safety Klean 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. 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 masonry. If solution starts to dry, reapply.
4. Rinse with clean water from the bottom to the top, covering each section of the surface with a concentrated stream of water. To avoid streaking on vertical walls, take care to keep the wall below wet and rinsed free of cleaner and residues. 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.

SPECIFIER NOTE: Thorough rinsing is extremely important. As much water pressure as possible without damaging the surface should be used to ensure all staining elements are completely removed.

**Interior Application**

Proper ventilation is necessary. Follow application procedures for exterior surfaces. 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.