



Safety Klean

low corrosion cleaner for new masonry

OVERVIEW

Enviro Klean® Safety Klean is an effective, safe alternative to 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's 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, indoors or out. It is up to 70 percent more effective than citric and glycolic acids, and 50 percent more effective than phosphoric acid.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com and click on "SpecBuilder" or "Solution Finder."

ADVANTAGES

- Proven effective for cleaning mortar smears and other common construction soiling.
- Replaces traditional mineral and organic acid products.
- Low odor and water-rinsable.
- Non-fuming.
- Environmentally responsible.
- Suitable for interior cleaning.

Limitations

- Not suitable for polished marble, limestone or travertine.
- Can cause discoloration and corrosion on certain types of metals. Always Test.
- Not for use on treated low-E glass; acrylic and polycarbonate sheet glazing; and glazing with surface-applied reflective, metallic or other synthetic coatings and films.

REGULATORY COMPLIANCE

VOC Compliance

Enviro Klean® Safety Klean is compliant with all national, state and district regulations.

TYPICAL TECHNICAL DATA

FORM	Clear amber liquid
SPECIFIC GRAVITY	1.18
pH	0.334 @ 1:3 dilution
WT/GAL	9.56 lbs
ACTIVE CONTENT	Not applicable
TOTAL SOLIDS	Not applicable
VOC CONTENT	Not applicable
FLASH POINT	>200°F (>93°C)
FREEZE POINT	-22°F (-30°C)
SHELF LIFE	3 years in tightly sealed, unopened container

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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.

Construction soiling and mortar residues on new masonry surfaces clean most effectively if the cleaning is done within 14–28 days of installation. Mortar and grout smears left on the surface longer result in a more difficult clean down and may cause undesirable results. Cleaning high-strength mortar/grout within seven days improves results.

Presence of excessive moisture in the wall contributes to efflorescence and other staining. Always protect open wall cavities from rain during construction.

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 and Air Temperatures

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

Equipment

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

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

Masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gpm is the best water/pressure combination for rinsing porous masonry. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency.

Use adjustable equipment for reducing water flow rates and rinsing pressure as needed for sensitive surfaces. Rinsing pressures greater than 1000 psi and fan spray tips smaller than 15° may permanently damage sensitive masonry. Water flow rates less than 6 gpm may reduce cleaning productivity and contribute to uneven cleaning results.

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 sealed containers in a dry place. Maintain temperatures of 45–100°F (7–38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

Recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon of concentrate.			
Substrate	Type	Use?	Coverage
Architectural Concrete Block	Burnished	yes	300–400 sq.ft. 28–37 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete	Brick	yes	600–1100 sq.ft. 56–102 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick	yes	500–900 sq.ft. 46–84 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite	Polished	yes	600–1200 sq.ft. 56–111 sq.m.
	Unpolished	yes	600–1200 sq.ft. 56–111 sq.m.
Sandstone	Unpolished	yes	600–900 sq.ft. 56–84 sq.m.
Slate	Unpolished	yes	600–1100 sq.ft. 56–102 sq.m.
Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.			

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APPLICATION

Before use, read "Preparation" and "Safety Information."

ALWAYS TEST (minimum 4-ft x 4-ft area) for dilution rates, surface compatibility and desired results. Test each surface and each type of soiling using the following application instructions. Let test dry thoroughly before inspection.

Dilution

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

Application Instructions

Exterior Applications

1. Working from the bottom to the top, 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 3–5 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.

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.

Interior Applications

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

Cleanup

Clean tools and equipment with fresh water.

Maintenance

Application of a "breathable" water repellent to the cleaned masonry surface reduces absorption of stain producing elements, keeping the surface clean for a longer period of time and making future cleaning operations faster and easier. For more information about water repellents for various surfaces, visit www.prosoco.com or call PROSOCO toll-free at 800-255-4255 regarding Sure Klean® Weather Seal products.

BEST PRACTICES

Apply using low pressure spray, 50 psi max. Do not apply with high pressure spray. Do not atomize.

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.

Masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gpm is the best water/pressure combination for rinsing porous masonry. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency.

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Never go it alone. For problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care toll-free at 800-255-4255.

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SAFETY INFORMATION

Enviro Klean® Safety Klean 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: Do not induce vomiting. If conscious, give 3–4 glasses of water and seek immediate medical attention.

Eye Contact: Rinse eyes thoroughly for 15 minutes while lifting eyelids to assure thorough cleaning. Get immediate medical assistance.

Skin Contact: Remove contaminated clothing and rinse thoroughly for 15 minutes. Get medical attention if persistent irritation develops. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

24 Hour Emergency Information:
INFOTRAC at 800-535-5053

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.

PROSOCO Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO 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. PROSOCO'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 PROSOCO 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 PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the Enviro Klean® representative in your area.