



EK Restoration Cleaner

near-neutral pH carbon & pollution remover

OVERVIEW

Enviro Klean® EK Restoration Cleaner is a concentrated compound for dissolving tough carbon deposits and other atmospheric staining. A practical alternative to conventional acidic cleaners, near-neutral pH EK Restoration Cleaner cleans brick, granite, sandstone, terra cotta, and other masonry.

Safer and less expensive than sandblasting or steam cleaning, it also loosens and dissolves dirt, paint oxidation, and other stains associated with aged and dirty buildings. It is perfect for projects where harsh acid cleaners are not allowed.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com.

ADVANTAGES

- Proven effective for cleaning dirty and heavily carboned buildings.
- Safer than sandblasting. Will not pit or damage the masonry when properly applied.
- Does not contain hydrofluoric acid.

Limitations

- Not suitable for cleaning most concrete or marble surfaces. See Sure Klean® Limestone Restorer or Sure Klean® 766 Limestone & Masonry Prewash/Afterwash for these applications.
- Not recommended for interior use. Contact PROSOCO's Customer Care (800-255-4255) for recommendations for the most appropriate Sure Klean® or Stand Off® interior cleaning system.
- May not be suitable for some polished stone and glazed surfaces.
- Product may bleach certain types of light- or buff-colored masonry materials. Always test.
- May damage glass and architectural aluminum.

REGULATORY COMPLIANCE

VOC Compliance

Enviro Klean® EK Restoration Cleaner is compliant with all national, state and district regulations.

TYPICAL TECHNICAL DATA

FORM	Clear amber liquid
SPECIFIC GRAVITY	1.06
pH	5.5 in concentrate
WT/GAL	8.82 lbs
ACTIVE CONTENT	Not applicable
TOTAL SOLIDS	Not applicable
VOC CONTENT	Not applicable
FLASH POINT	Not applicable
FREEZE POINT	No data
SHELF LIFE	2 years in tightly sealed, unopened container

EK Restoration Cleaner

PREPARATION

Protect people, vehicles, property, glass, metal, painted and non masonry surfaces from product, splash, residue, rinse fumes and wind drift. Divert or protect pedestrian and auto traffic. When working over traffic, clean only when traffic is at a minimum and protect carefully.

Complete masonry cleaning before replacing windows, doors, hardware, light fixtures, roofing materials, wood and any other non masonry items which may be damaged by the cleaning product. If such fixtures have been installed or are to remain in place, protect before overall application using Sure Klean® Strippable Masking (where appropriate according to product literature) or polyethylene. Be sure that all caulking and sealant

materials are in place and thoroughly cured before cleaning begins.

Inspect glazed terra cotta and tile carefully. Where glaze has partially weathered away or previously etched, cleaning may take off more glaze.

Surface and Air Temperatures

Cleaning when temperatures are below freezing or may be overnight may harm masonry. Best air and masonry surface temperatures for cleaning are 40°F (4°C) or above. If freezing conditions existed before application, let masonry thaw.

Equipment

Apply using brush or roller. Applying with high pressure spray drives the chemical deep into the surface, making it difficult to rinse completely. Surface discoloration may result.

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 with a water flow rate of 6–8 gpm is the best water/pressure combination for rinsing porous masonry.

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.

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

Keep from freezing. 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 temperature 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	no	N/A
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
Concrete	Brick	no	N/A
	Tile	no	
	Precast Panels	no	
	Pavers	no	
	Cast-in-place	no	
Fired Clay	Brick	yes	125–200 sq.ft. 12–19 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite	Polished	no	N/A
	Unpolished	yes	175–250 sq.ft. 16–25 sq.m.
Sandstone	Unpolished	yes	125–175 sq.ft. 12–16 sq.m.
Slate	Unpolished	yes	125–200 sq.ft. 12–19 sq.m.
May have limited effectiveness on highly porous surfaces. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.			

EK Restoration Cleaner

APPLICATION

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

ALWAYS TEST [minimum 4-ft x 4-ft] for compatibility before overall cleaning. Test each type of surface and each type of stain. Test using the following application instructions. Also test pressure-rinsing on older masonry. Let test panels dry three to seven days before inspection.

Dilution

Use in concentrate. Do not alter or dilute.

Stir or mix well before use.

Pretreatment

Pretreating severely stained areas such as horizontal surfaces, and under window sills and eaves with Sure Klean® 766 Limestone & Masonry Prewash may improve results. Read and follow product procedures and recommendations. Pressure rinse, then "afterwash" with EK Restoration Cleaner followed by water rinse. Consult a PROSOCO Customer Care representative or sales manager on pretreatment of severely stained areas.

Application Instructions

1. Working from the bottom to the top, prewet surface with fresh water.
2. Apply cleaner using a brush or roller. Gentle scrubbing application will improve results. Applying with high pressure spray will drive the chemicals deep into the surface, making it difficult to rinse completely. Surface discoloration may result.
3. Leave the cleaning solution on the surface for 10–20 minutes. Heavy soiling or mineral deposits may require longer dwell times. Gently scrub heavily soiled areas. Do not let cleaning solution "dry in" to the masonry. If drying occurs, lightly wet treated surfaces with fresh water, and reapply the cleaner, gently scrubbing.
4. Working from the bottom to the top, rinse thoroughly with fresh water.
5. Repeat steps 1–4 if necessary.

Cleanup

Clean tools and equipment using fresh water.

Maintenance

"Breathable" water repellents reduce absorption of stain-producing elements, keeping surfaces cleaner longer and making future cleaning faster and easier. For more information about water repellents for masonry, contact PROSOCO Customer Care about Sure Klean® Weather Seal products.

BEST PRACTICES

Inspect glazed terra cotta and tile carefully. Where glaze has partially weathered away or previously etched, cleaning may take off more glaze.

Always test a minimum 4-ft x 4-ft area for compatibility before overall cleaning. Test each type of surface and each type of stain. Also test pressure-rinsing on older masonry. Let test panels dry three to seven days before inspection.

Pretreating severely stained areas such as horizontal surfaces, and under window sills and eaves with Sure Klean® 766 Limestone & Masonry Prewash may improve results.

Do not let cleaning solution "dry in" to the masonry. If drying occurs, lightly wet treated surfaces with fresh water, and reapply the cleaner, gently scrubbing.

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.

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.

EK Restoration Cleaner

SAFETY INFORMATION

Enviro Klean® EK Restoration Cleaner 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: If conscious, give large amounts of milk or water and call a physician, emergency room or poison control center immediately. Do not induce vomiting.

Eye Contact: Rinse eyes and under lids thoroughly for 15 minutes. Get immediate medical assistance.

Skin Contact: Remove contaminated clothing and rinse thoroughly for 15 minutes. Immerse exposed area in 0.13% Zephiran Chloride or apply 2.5% Calcium Gluconate gel if available. Get medical attention. 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 1-800-535-5053

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.