



Sure Klean®

CLEANING & PROTECTIVE TREATMENTS

Heavy Duty Concrete Cleaner

Sure Klean® Heavy Duty Concrete Cleaner is formulated for removal of concrete splashes, excess mortar, retarders, heavy efflorescence, embedded stains, rust and surface soiling from textured concrete surfaces.

This acidic cleaner improves the color and uniformity of most standard concrete, colored concrete, precast panel and concrete block surfaces. When used in strong solutions, Heavy Duty Concrete Cleaner will etch concrete. It can be used for additional aggregate exposure and is ideal for “weathering” architectural concrete.

ADVANTAGES

- Removes heavy efflorescence and embedded stains on new concrete construction.
- Supplied in concentrate for easy on-site dilution.
- Designed for use with pressure water rinsing.
- Improves bond of protective coatings/membranes.

Limitations

- Not for use on polished surfaces.
- Will not correct damage caused by improper cleaning.
- May etch smooth concrete surfaces. Use Sure Klean® Light Duty Concrete Cleaner where no etch is desired.
- For colored concrete block, Sure Klean® Custom Masonry Cleaner may be a more appropriate product.
- May damage treated low-E glass; acrylic and polycarbonate sheet glazing; and glazing with surface-applied reflective, metallic or other synthetic coatings and films. Always test for adverse effects prior to overall application. If testing is not feasible or indicates adverse effects, such substrates must be protected.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Heavy Duty Concrete Cleaner is compliant with all national, state and district VOC regulations.

TYPICAL TECHNICAL DATA

FORM	Clear, slight amber liquid Pungent odor
SPECIFIC GRAVITY	1.14
pH	0.76 @ 1:2 dilution 0.76 @ 1:8 dilution
WT/GAL	9.47 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	not applicable
FLASH POINT	not applicable
FREEZE POINT	<-22° F (<-30° C)
SHELF LIFE	3 years in tightly sealed, unopened container

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 800-535-5053

Product Data Sheet

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PREPARATION

Clean masonry before installing non-masonry materials such as windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials, etc. that the cleaner could harm. If cleaning is to be completed after installation of non-masonry materials not intended for treatment or exposure to Heavy Duty Concrete Cleaner, test all substrates before full scale application. If testing is not feasible or indicates adverse effects, protect substrates from product splash, residue, wind drift and fumes with Sure Klean® Strippable Masking or polyethylene prior to application.

All caulking and sealant materials should be in place and thoroughly cured before cleaning.

When applying to the exteriors of occupied buildings, make sure all windows, exterior intake and air conditioning vents are covered and air handling equipment is shut down during application.

Construction soiling and mortar residues on new brick and tile 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.

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

When working over traffic, clean when traffic is at a minimum. Protect or divert traffic if necessary.

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	300–700 sq.ft. 28–65 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete*	Brick	yes	300–700 sq.ft. 28–65 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick†	yes	300–700 sq.ft. 28–65 sq.m.
	Tile	no	
	Terra Cotta (unglazed)	no	
	Pavers†	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite	Polished	no	N/A
	Unpolished	yes	300–700 sq.ft. 28–65 sq.m.
Sandstone	Unpolished	yes	300–700 sq.ft. 28–65 sq.m.
Slate	Unpolished	yes	300–700 sq.ft. 28–65 sq.m.
*Repeated applications may etch surfaces. ♦For colored block, Sure Klean® Custom Masonry Cleaner may be more appropriate. †Sure Klean® Light Duty Concrete Cleaner is a more suitable product. ‡Sure Klean® 600, 101 Lime Solvent or Vana Trol® may be more suitable. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.			

Surface and Air Temperatures

For best results, clean when air and masonry surface temperatures are 40° F (4° C) or above. Do not apply when temperature is below freezing or will be overnight. If freezing conditions exist before application, let the surface thaw.

Equipment

Apply with a soft-fibered, tampico masonry washing brush or with low-pressure (50 psi max) spray equipment fitted with acid-resistant hoses and gaskets. Do not use pressure spray above 50 psi, as this drives the cleaner into the surface, making rinse difficult and may cause stains.

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 gallons per minute 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 gallons per minute may reduce cleaning productivity and contribute to uneven cleaning results.



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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 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.

APPLICATION

Read “Preparation” and the Safety Data Sheet before use. **ALWAYS TEST** a small area (minimum 4-ft x 4-ft) of each surface to confirm suitability and desired results before beginning overall application. Test each type of masonry and each type of stain. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let test area dry 3–7 days before inspection and approval. Make the test panel available for comparison throughout the cleaning project.

Dilution

Dilute Heavy Duty Concrete Cleaner with 2–8 parts clean water to one part concentrate, based on test results. Always pour cold water into empty bucket first, then carefully add product. Never use hot water.

Handle in high-density polyethylene or polypropylene containers only. No metal. Acidic materials and fumes attack metal.

Recommended dilutions for use on precast, monolithic and “unit” concrete surfaces:

Exposed Aggregate

- Removal of retarder, efflorescence, etc.
1 part concentrate to 6 parts water
- Additional aggregate exposure
1 part concentrate to 2 parts water

Form-Finished Concrete

- Rough textured: 1 part concentrate to 6 parts water
- Standard finish: 1 part concentrate to 8 parts water

Concrete Block

- “Weathering” or etching:
1 part concentrate to 2 parts water
- Removal of excess mortar:
1 part concentrate to 6 parts water

Typical Coverage Rates

Reference the Substrate Chart. The coverage rate chart assumes an average coverage rate of 100 square feet per gallon of prepared cleaner.

When calculating the volume of cleaner required for porous, textured surfaces, assume 50 square feet per gallon of prepared cleaner.

For dense, smooth surfaces, assume up to 150 square feet per gallon of prepared cleaner.

Application Instructions

Multiple applications may etch sensitive surfaces.

1. Working from the bottom to the top, always prewet surface with fresh water. On vertical surfaces, keep lower areas wet to avoid streaks.
2. Apply directly to surface with recommended masonry brush or low-pressure spray.
3. Let the cleaner stay on the surface 2–3 minutes or until stains are gone. Do not let cleaner dry into the surface. If surface begins to dry, reapply cleaner. *NOTE:* Keep people away from the cleaner.
4. Reapply cleaner and scrub or scrape surface using wood blocks or other nonmetallic scraping devices.
5. Working from the bottom to the top, rinse thoroughly with fresh water to remove all residue from the surface. *NOTE:* If pressure rinsing equipment is not available, rinse thoroughly with clean water, brushing the surface while rinsing.

Cleanup

Clean tools and equipment using 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.

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.**

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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 website at prosoco.com, for the name of the PROSOCO representative in your area.

