

Heavy Duty Concrete Cleaner

concentrated power cleaner for concrete

DESCRIPTION AND USE

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 concentrated, general-purpose 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.
- Designed for use with pressure water rinsing.
- Improves bond of protective coatings/membranes.

Heavy Duty Concrete Cleaner is 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	300-700 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	no	
	Pavers♦	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	no	NA
Granite	Polished	no	NA
	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 surface. ❖For colored block, Custom Masonry Cleaner may be more suitable.

♦600 Detergent, 1001 Lime Solvent or Vana Troi® may be more suitable.

Always test to ensure desired results.

Coverage estimates depend on surface texture, porosity and soiling conditions.

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.

TYPICAL TECHNICAL DATA

FORM: Clear liquid, slight amber color

SPECIFIC GRAVITY: 1.14

TOTAL SOLIDS: N/A

pH: .18 @ 1:6 dilution

WT./GAL.: 9.47 lbs.

FLASH POINT: N/A

FREEZE POINT: < -22°F (< -30°C)

SHELF LIFE: 3 years from the date of manufacture in tightly sealed, unopened container

PREPARATION

Protect people, vehicles, property, metal, painted surfaces, plants and other nonmasonry materials from product, rinse, splash, residue, wind drift and fumes. When working over traffic, clean when traffic is at a minimum. Protect or divert traffic if necessary.

Clean masonry before installing windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials and other nonmasonry items. If already installed, protect with polyethylene before application. Sure Klean® Strippable Masking is appropriate for use with this product to protect windows. All caulking and sealant materials should be in place and thoroughly cured before cleaning.

Protect wall cavities during construction to prevent rainwater saturation and related staining. Let newly constructed surfaces dry and cure thoroughly before cleaning. Excessive moisture may mobilize staining and cause unsatisfactory cleaning results. Cleaning high-strength mortar/grout within seven days improves results.

Surface and Air Temperatures

Do not apply when temperature is below freezing or will be overnight. If freezing conditions exist before application, let the surface thaw.

Equipment

Handle in polypropylene buckets only. Acidic materials and fumes attack metal.

Apply with a soft-fibered, tampico masonry washing brush or with low-pressure spray equipment fitted with acid-resistant hoses and gaskets. Don't use pressure spray above 50 psi. This drives the cleaner into the surface, making rinse difficult. 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.

APPLICATION

Before use, read “Preparation” and “Safety Information.”

ALWAYS TEST each type of surface and each type of stain for suitability, dilution rates and desired results before overall application. Apply according to the following procedures. Let surface dry thoroughly before inspection and approval.

Dilution

Always pour COLD water into empty bucket first, then carefully add product. NEVER USE HOT WATER. Recommended dilutions for use on precast, monolithic and “unit” concrete surfaces:

Exposed Aggregate

Removal of retarder, efflorescence, etc.

1 part concentrate : 6 parts water

Additional aggregate exposure

1 part concentrate : 2 parts water

Form-Finished Concrete

Rough textured

1 part concentrate : 6 parts water

Standard finish

1 part concentrate : 8 parts water

Concrete Block

“Weathering” or etching

1 part concentrate : 2 parts water

Removal of excess mortar

1 part concentrate : 6 parts water

Coverage Rates

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. The coverage rate chart assumes an average coverage rate of 100 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. Don't 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.

SAFETY INFORMATION

Danger. Poison. Causes severe burns. May be fatal if swallowed. Harmful if inhaled. For use by professional applicators only. Keep out of the reach of children. Read precautionary measures carefully.

Precautionary Measures

Contains: Hydrochloric and hydroxyacetic acids. Do not get in eyes, on skin, or clothing. Avoid breathing fumes and contact with mucous membranes. Keep container tightly closed when not dispensing product.

Use only with adequate ventilation. Do not breathe vapors or mist. Ensure fresh air entry during application. When applying to exteriors of occupied buildings, make sure all windows, exterior intakes and air conditioning vents are covered and air handling equipment are shut down during application. Contact with metals in poorly ventilated areas can create potentially flammable or explosive hydrogen gas. If you notice irritating odor or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted, NIOSH-approved respirator during handling and application. Wear splash goggles or a face shield, protective clothing, gloves and shoes to prevent splash to eyes and skin. Wash thoroughly after handling. Refer to the MSDS and label for additional precautionary information.

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 thoroughly for 15 minutes. Get immediate medical assistance.

Skin Contact: Remove contaminated clothing and rinse thoroughly for 15 minutes. 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 at 800-535-5053.

Storage and Handling: Must be stored and transported upright with lid tightly in place. Store away from other chemicals, heat and open flames in cool, dry place with adequate ventilation. Do not use pressure to empty or use as a dilution or mixing vessel. Do not reuse or remove the label. Use only well maintained staging and scaffolding that is equipped with steel cable. This product will attack nylon, cotton and hemp roping. Use polypropylene ropes and safety lines. Dilution and application equipment should be of polypropylene or polyethylene construction.

If spilled, follow all precautionary instructions. Keep from drains and soil. Contain, dilute with water, and neutralize with baking soda or lime. Dispose of contaminated absorbent, container and product in accordance with local, state and federal regulations.

Do not alter, mix with chlorine-type bleaches or other chemicals, or dilute product or use for applications other than specified.

Container Disposal: Hazardous when empty. Follow all precautionary instructions. Triple rinse with water and dispose of in a sanitary landfill (check local restrictions).

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.

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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 Sure Klean® representative in your area.