



Sure Klean®

CLEANING & PROTECTIVE TREATMENTS

Ferrous Stain Remover

Sure Klean® Ferrous Stain Remover is a specialty masonry cleaning product that effectively removes iron, manganese, vanadium, straw stains, acid burns and other metallic discolorations from brick, stone, and masonry surfaces.

Many staining conditions are created by excessive moisture in the walls. To avoid this, protect open wall cavities from rainwater during construction and correct any structural problems that let water enter the walls.

New masonry cleaning is most effective within 14 to 28 days of installation. Letting excess mortar and grout stay longer results in a more difficult clean down and may cause more severe metallic staining.

ADVANTAGES

- Removes tough metallic stains quickly and easily.
- Powerful in concentrate; flexible in dilution.
- Water rinsable.

Limitations

- Contains ingredients which may bleach colored mortar and some brick units. Always test dilution rates.
- Acidic contents and fumes may damage non masonry and acid-sensitive surfaces.
- Not recommended for interior use.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Ferrous Stain Remover is compliant with all national, state and district VOC regulations.

TYPICAL TECHNICAL DATA

FORM	Clear, amber liquid Pungent odor
SPECIFIC GRAVITY	1.168
pH	0.17 in concentrate
WT/GAL	9.72 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	not applicable
FLASH POINT	not applicable
FREEZE POINT	3° F (-16° 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

Protect people, vehicles, property, plants, metal, all non masonry and acid-sensitive surfaces from contact with cleaner, splash, rinse, residue, fumes and wind drift. Protect and/or divert auto and pedestrian traffic.

Clean masonry before installing windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials and other non masonry items. If already installed, protect before application. Sure Klean® Strippable Masking is appropriate for use with this product to protect windows.

Maintain sufficient ventilation to avoid buildup of potentially damaging fumes.

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

Before removing metallic discolorations, the masonry should be thoroughly dry to reduce recurrence of stains after cleaning.

Surface and Air Temperatures

For best results, clean when air and masonry surface temperatures are 40° F (4° C) or above. Cleaning when temperatures are below freezing or will be overnight may harm masonry. If freezing conditions have existed, let the masonry thaw before cleaning.

Equipment

Apply with low-pressure (50 psi max) spray or densely-packed, soft-fibered masonry washing brush. Pressure spray above 50 psi drives the chemicals deep into the surface, making complete rinse difficult. Fit equipment with acid-resistant hoses and gaskets to avoid discoloration.

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.

Storage and Handling

Transport and 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.

<i>Substrate</i>	<i>Type</i>	<i>Use?</i>	<i>Coverage</i>
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	200–400 sq.ft. 19–37 sq.m.
	Tile	yes	
	Terra Cotta (unglazed)	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite ♦	Polished	no	N/A
	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.
Sandstone	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.
Slate ♦	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.

♦May alter masonry color.

Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

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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

Ferrous Stain Remover can be diluted with up to 3 parts fresh water or applied in concentrate, depending on test results. Always pour cold water into empty bucket first, then carefully add product. Never use hot water.

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

Typical Coverage Rates

Reference the Substrate Chart on page 2. 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

1. Working from the bottom to the top, always prewet the masonry surface with clean water.

2. Apply prepared cleaner directly to the masonry surface.
3. Let the cleaner stay on the surface for 3–5 minutes. Do not let it dry into the masonry between applications or before final rinse. If treated surfaces are left unattended, keep people away from the cleaner.
4. Reapply cleaner and rinse with fresh water from the bottom to the top. Thorough rinsing is important to get all residues off the surface. If pressure rinsing equipment is not available, rinse thoroughly with clean water. Brush the wall 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.** 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

BEST PRACTICES

All caulking and sealant materials should be in place and thoroughly cured before cleaning. Before removing metallic discolorations, the masonry should be thoroughly dry to reduce recurrence of stains after cleaning.

Always pour cold water into empty bucket first, then carefully add product. Never use hot water. Handle in polypropylene buckets only. Acidic materials and fumes attack metal.

Apply with low-pressure spray (50 psi max) or densely-packed, soft-fibered masonry washing

brush. Pressure spray above 50 psi drives the chemicals deep into the surface, making complete rinse difficult. Fit equipment with acid-resistant hoses and gaskets to avoid discoloration.

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.

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.

Product Data Sheet Sure Klean® Ferrous Stain Remover

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 PROSOCO representative in your area.

