

03 00 00 Concrete

03 01 30.51 Cleaning of Cast-In-Place Concrete
03 01 50.51 Cleaning Cast Decks and Underlayment

09 00 00 Finishes

09 01 60.91 Flooring Restoration

PRODUCT DATA SHEET

PROSOCO
SINCE 1939

CONSOLIDECK®
HIGH PERFORMANCE CONCRETE

SafEtch®

non-fuming cleaner and surface-prep for concrete

OVERVIEW

Consolideck® SafEtch® is an effective, safe alternative to traditional acidic compounds for cleaning and preparing horizontal concrete for densifying and hardening.

SafEtch® rids concrete of embedded oil, grease, efflorescence and dirt. The cleaner also dissolves a small amount of surface cement, while leaving the aggregate untouched. That mild “etch” creates greater surface area, for more complete penetration and effectiveness of the hardener/densifier — or any other protective treatment. It’s ideal for projects where traditional acidic cleaners are not allowed.

Non-fuming SafEtch® contains no hydrochloric or other traditional inorganic acids and is safe for use on and around most metal surfaces. Additionally, 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 removing common construction soiling.
- Replaces traditional mineral and organic acid products.
- Low odor and water-rinsable.
- Non-fuming and environmentally responsible.
- Will not harm most cleaning equipment or metal surfaces.
- Safe for interior cleaning.

Limitations

- Not suitable for polished/unpolished marble, limestone or travertine.
- May cause discoloration and corrosion on certain types of metals. ALWAYS TEST.

REGULATORY COMPLIANCE

VOC Compliance

Consolideck® SafEtch® is compliant with all national, state and district VOC regulations

TYPICAL TECHNICAL DATA

FORM	clear purple liquid
SPECIFIC GRAVITY	1.110
pH	<1.0 @ 1:3 dilution
WT/GAL	9.24 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

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. 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 results are obtained when air and masonry surface temperatures are 40°F (4°C) or above. If freezing conditions exist prior to application, let the masonry to thaw.

Equipment

Apply using low-pressure sprayer (50 psi max), roller or masonry washing brush. Do not use high pressure spray.

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. 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 above 1000 psi and fan spray tips smaller than 15° may permanently damage sensitive masonry. Flow rates under 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 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

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

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

Coverage Rates

Coverage rates vary based upon severity of soiling, surface texture and porosity. Always test to ensure desired results. The following is provided for estimating purposes only:

- 125–500 sq.ft. (12–46 sq.m.) per gallon of cleaner concentrate

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.

Application Instructions

Exterior

1. 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 concrete. If solution starts to dry, reapply.
4. Rinse with clean water, covering each section of the surface with a concentrated stream of water.

Interior

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

Cleanup

Clean tools and equipment with fresh water.

SAFETY INFORMATION

Consolideck® SafEtch® 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 Consolideck® representative in your area.

BEST PRACTICES

Always apply to surfaces thoroughly pre-wet with fresh water.

It is extremely important to thoroughly rinse off spent cleaner and dissolved contaminants with lots of fresh water. This ensures there are no residues left that could interfere with the penetration of hardener/densifiers.

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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