

03 30 00 Cast-In-Place Concrete

03 35 00 Concrete Finishing

09 60 00 Flooring

09 61 00 Flooring Treatments

PRODUCT DATA SHEET**PROSOCO**
SINCE 1939**CONSOLIDECK®**
HIGH PERFORMANCE CONCRETE

PolishGuard

*glossy protective sealer for interior horizontal concrete***SCS**certified™**INDOOR AIR QUALITY**
Indoor Advantage | Building Materials
GOLDNonfood Compounds
Program Listed R2
Registration #148958

OVERVIEW

Consolidex® PolishGuard is a durable, chemical-resistant, high-gloss, protective coating that dramatically increases the stain resistance of interior concrete floors.

PolishGuard is ideal for steel-troweled, burnished, polished or decorative concrete and cement terrazzo floors that are exposed to accidental spills of food products, household cleaners and industrial solutions.

This chemical-resistant, non-yellowing formulation enhances the appearance of standard gray, integrally colored, dyed, stained or color-hardened concrete floors.

SPECIFICATIONS

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

ADVANTAGES

- Produces a long-lasting, tough protective shine on any interior concrete flatwork.
- Perfect for floors hardened/densified with Consolidex® LS® and LS/CS®.
- Adds depth and luster to colored concrete, including surfaces decorated with Consolidex® GemTone Stain and ColorHard.
- Keeps soiling and contaminants from penetrating, making maintenance cleaning faster, more effective and more economical.
- Treated floors maintain slip resistance.
- Low odor. Easy to apply. Fast drying.
- UV stable. Will not yellow, discolor, peel or flake.
- VOC Compliant. Non-flammable. Non-toxic. Water-based.

Limitations

- Only for use on indoor horizontal concrete surfaces.
- Will not compensate for structural defects. Surfaces must be clean and in good repair before application.

REGULATORY COMPLIANCE

VOC Compliance

Consolidex® PolishGuard is compliant with the following national, state and district AIM VOC regulations:

- US Environmental Protection Agency
- California Air Resources Board SCM Districts
- South Coast Air Quality Management District
- Maricopa County, AZ
- Northeast Ozone Transport Commission

TYPICAL TECHNICAL DATA

FORM	Milky white liquid
SPECIFIC GRAVITY	1.01
pH	8.4
WT/GAL	8.50 lbs
ACTIVE CONTENT	15%
TOTAL SOLIDS	15%
VOC CONTENT	100 g/L maximum
FLASH POINT	>200°F (>93°C)
FREEZE POINT	32°F (0°C)
SHELF LIFE	2 years in tightly-sealed, unopened container

PolishGuard

PREPARATION

Protect people, vehicles, property, plants and all surfaces not set to receive PolishGuard from product, splash and wind drift. Use polyethylene or other proven protective material.

PolishGuard may be applied to existing, cured concrete of any age. Surfaces must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris using the appropriate Consolideck® surface prep cleaner listed below:

Consolideck® SafStrip

- cure & seals
- paint
- high strength coatings

*Consolideck® SafEtch®**

- concrete laitance
- construction soiling

*Not for use on concrete previously treated with Consolideck® LS®, LS/CS® or LSGuard®.

Consolideck® Wax & Cure Remover

- waxes, sealers & coatings
- low-solids cure & seals

Consolideck® Cure & Seal Remover

- high-solids cure & seals

Consolideck® Concrete Floor Restorer

- general soiling
- rust and other metallic staining
- light wax coatings

Consolideck® PreKlean

- laitance
- residual surface salts

Consolideck® Cleaner/Degreaser

- general soiling
- grease and oil

Consolideck® Oil & Grease Stain Remover

- deep-seated oil & grease staining

Follow the appropriate cleaner with thorough water rinsing. If a d-limonene based cleaner/stripper is used, clean treated surfaces with Consolideck® Cleaner/Degreaser and rinse thoroughly.

Acid-stained concrete must be thoroughly neutralized and rinsed prior to application.

Application may begin as soon as prepared surfaces are dry.

Surface and Air Temperatures

Temperatures for application should be 40–100°F (4–38°C).

Equipment

Apply with low pressure sprayer and a microfiber mop. Do not atomize.

Storage and Handling

Keep from freezing. Store in a cool, dry place. 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 temperatures of 40–100°F (4–38°C). Do not double stack pallets. Dispose of in accordance with local, state and federal regulations.

APPLICATION

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

ALWAYS TEST each surface for suitability and results before overall application. Use the following application instructions. Let surface dry thoroughly before inspection.

Dilution & Mixing

Apply as packaged. Do not dilute or alter, or use other than as specified. Mix well before use.

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.

Typical Coverage Rates

Variations in surface texture, concrete quality, porosity, job-site conditions, temperature and relative humidity affect coverage rates and drying times. Calculate coverage rate by testing a representative section of the finished concrete surface using the following instructions. The following figures are for estimating only.

Estimated Coverage Rates

- 400–800 square feet per US gal
- 10–20 square meters per Liter

Calculating Project-Specific Target Coverage Rate

1. Prepare the test area using the information in the “Preparation” section. Surfaces must be clean, dry and absorbent.
2. Add 1-gallon of PolishGuard to a clean, pump-up sprayer fitted with a 0.5 gpm conical or fan spray tip. Apply according to the following Application Instructions. Repeat as needed for the desired level of finish.
3. Measure the test area and the amount of PolishGuard applied to establish the Target Coverage Rate per gallon. Protect the completed test area from moisture for at least 4 hours.

PolishGuard

Application Instructions

PolishGuard may be applied to broomed, steel troweled, honed, polished or highly polished interior concrete surfaces. For best results, treat floors with Consolideck® LS® or LS/CS® before application.

1. Lightly wet a clean microfiber pad with PolishGuard, leaving the pad damp.
2. Spray-apply PolishGuard using a clean, pump-up sprayer fitted with a 0.5 gpm conical or fan spray tip. Work from one control joint to another.
3. Spread with the damp microfiber pad. Maintain a thin, even coating and wet edge. Stop spreading once drying begins. Do not overlap. Use two people — one spraying and one spreading — for best results.
4. Allow to dry tack free, typically 20–60 minutes.
5. Repeat steps 1–4. Two coats are recommended for maximum protection and shine.
6. To increase gloss, wait at least 60 minutes after the final coat is applied, then use a high-speed burnisher fitted with a white polishing pad. Burnish at a fast walking pace.

Drying Time

Protect from water for 4 hours. At 72°F [22°C] and 40% relative humidity, product dry times are:

- To Touch: 30–60 minutes
- Light Foot Traffic: 4 hours
- Normal traffic: overnight

Consolideck® PolishGuard gains its full stain repellency properties in 7 days.

Cleanup

Before the product dries, clean tools and equipment with fresh water. Immediately wash over spray off glass, aluminum, polished or other surfaces with fresh water.

Maintenance

Sweep the floor daily with a microfiber pad or dry dust mop. When needed, dry buff with a high-speed burnisher and a white pad to refresh the gloss.

PolishGuard improves the resistance of concrete floors to staining. However, acidic substances, including foods, may etch and stain. Clean ALL spills as quickly as possible.

Use Consolideck® LSKlean ULTRA or Consolideck® DailyKlean for maintenance cleaning. LSKlean ULTRA contains lithium-silicate for improving surface density and preserving the surface sheen of Consolideck® floors. Do not use other cleaners, including off-the-shelf and common household cleaners, which may contain acidic or alkaline ingredients that can dull the finish of Consolideck® floors.

To restore maximum shine to high traffic areas, repeat Application Instructions steps 1–7 in affected areas.

BEST PRACTICES

Only apply PolishGuard to clean, dry and absorbent concrete. Confirm absorbency with a light water spray — surfaces to be treated should wet uniformly.

Thoroughly neutralize and rinse acid-stained concrete before applying PolishGuard.

For best results, harden/densify floors with Consolideck® LS® or LS/CS® before applying PolishGuard.

For best durability and stain resistance, wait at least 60 minutes after the final coat of PolishGuard is applied, then burnish with a high-speed burnisher using a white polishing pad. Burnish at a fast walking pace.

Always use Consolideck® LSKlean ULTRA or Consolideck® DailyKlean for maintenance cleaning of concrete floors. Conventional floor cleaners may dull high-gloss finishes. Consolideck® LSKlean ULTRA and Consolideck® DailyKlean contain no harsh acids, alkalines, solvents or abrasives.

Never go it alone. If you have problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care, toll-free, at 800-255-4255.

SAFETY INFORMATION

Consolideck® PolishGuard is a water-reduced polymer solution. Use appropriate safety equipment and job site controls during application and handling. Read full label and MSDS for precautionary instructions before use.

First Aid

Eye Contact: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention immediately.

Skin Contact: Wash contacted area with soap and water. DO NOT attempt to neutralize with chemical agents. If irritation persists, seek medical attention.

Ingestion: Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.

Inhalation: Remove affected person to fresh air. If breathing difficulties persist, seek 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.