



PROSOCO®

Consolideck®

CONCRETE FLOORING PRODUCTS



Nonfood Compounds
Program Listed R2
Registration #160125

Concrete Protector SB

Consolideck® Concrete Protector SB is a penetrating, reactive treatment that provides water, oil and stain repellency for every kind of finished concrete floor. Treated surfaces retain their natural texture and breathability. Concrete Protector SB improves stain resistance and simplifies maintenance cleaning of interior and exterior, horizontal and vertical concrete surfaces. Solvent-based and low-odor, this VOC compliant protective treatment is easily applied with pump-up sprayers.

TYPICAL TECHNICAL DATA

FORM	Clear, colorless liquid
SPECIFIC GRAVITY	0.96
pH	not applicable
WT/GAL	7.99 lbs
ACTIVE CONTENT	13%
TOTAL SOLIDS	13% ASTM D 2369
VOC CONTENT	<100 g/L
FLASH POINT	>170° F (>77° C) ASTM D 3278
FREEZE POINT	<-22° F (<-30° C)
SHELF LIFE	1 year 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

ADVANTAGES

- Resists oil and food stains, and repels water and water-related stains.
- Works on floors previously treated with Consolideck® LS®, LS/CS® or Blended Densifier.

- May be applied to surfaces previously treated with Consolideck® LSGuard® or PolishGuard.
- Appropriate for application to any cured concrete, from steel troweled to highly polished.
- Low-odor suitable for interior application to occupied buildings.
- Fast drying – reduces down time.
- Treated surfaces “breathe” – does not trap moisture.
- Can be burnished.
- Coverage rate higher than typical water repellents or other stain-resistant impregnators.
- Re-coatable; penetrates and bonds to concrete previously treated with Concrete Protector SB – no stripping required.

Limitations

- May slightly darken concrete surfaces.
- Not for use on surfaces exposed to standing or pooling water.
- Over application can result in excessive darkening, extended drying times and surface haze.
- Will not compensate for structural defects or bridge cracks, gaps and voids.
- Not suitable for surfaces subjected to below grade water exposure.
- Will not provide UV protection to concrete floors colored with Consolideck® GemTone Stain or ColorHard. Consolideck® LSGuard® or PolishGuard are more appropriate.
- Always pretest to ensure desired results before application.

REGULATORY COMPLIANCE

VOC Compliance

Consolideck® Concrete Protector SB is compliant with the US Environmental Protection Agency’s AIM VOC regulations.

Visit www.prosoco.com/voccompliance to confirm compliance with individual district or state regulations.

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PREPARATION

Protect people, vehicles, property, plants and all surfaces not designated for treatment from the product, splash and wind drift. Use polyethylene or other proven protective material.

Do not apply to surfaces which are frozen, dirty or have standing water.

Concrete Protector SB may be applied to existing, cured concrete of any age. New concrete should be cured for at least 28 days prior to application. 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 PROSOCO surface prep cleaner. Follow the appropriate cleaner with thorough water rinsing.

If a d-limonene based cleaner/stripper is used, clean treated surfaces with PROSOCO's Cleaner/Degreaser and rinse thoroughly.

Application may begin as soon as prepared surfaces are dry.

Surface & Air Temperatures

Should be 40–100° F (4–38° C) during application. Avoid application on hot, windy days.

Equipment

Preferred method of application is with a low-pressure (<50 psi), pump-up sprayer and a microfiber or synthetic lint-free mop. Fit sprayer with a 0.5 gpm spray tip. Sprayers should be fitted with solvent-resistant hoses and gaskets to avoid discoloration. Do not atomize during application.

Storage and Handling

Store in a cool, dry place. Keep tightly closed when not 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

Read “Preparation” and the Safety Data Sheet before use. **ALWAYS TEST** a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

Include in the test area any previous repairs and patches, including aesthetic cementitious finishes. Different surface compositions may result in absorption and/or appearance differences.

Pre-testing will confirm suitability of surface preparation and application procedures proposed for general application, and will also determine the average coverage rates to be maintained over the entire project.

Dilution & Mixing

Apply as packaged. Do not dilute or alter material. Stir or mix well before use.

Once opened, Concrete Protector SB must be used immediately.

Typical Coverage Rates

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. Calculate the target coverage rate by testing a representative section of the prepared surface using the published application instructions.

Coverage is in square feet/meters per gallon

- **Steel Troweled Concrete:**
1500–3000 sq.ft. (139–279 sq.m.)
- **Mechanically Honed & Polished Concrete:**
2500–4000 sq.ft. (232–372 sq.m.)
- **LSGuard or PolishGuard Treated Concrete Floors:**
4000–5000 sq.ft. (372–465 sq.m.)

Applications to highly polished floors yield the highest coverage rates. Two thin applications achieve better results than one heavy coat.

Application Instructions

Horizontal Surfaces:

Concrete Protector SB may be applied to steel troweled, honed, polished or highly polished concrete surfaces. For best results, treat floors with PROSOCO's LS®, LS/CS® or Blended Densifier before application.

1. Lightly wet a clean microfiber pad with Concrete Protector SB, leaving the pad damp.
2. Using a clean, pump-up sprayer, and working from one control joint to another, apply a light, fine spray to a small section of the floor.
3. Using the damp microfiber pad and firm downward pressure, immediately spread Concrete Protector SB to produce a thin, even application. Spread the product as far as possible while maintaining a wet edge.

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4. Allow to dry tack free, typically 60–90 minutes. Best results are achieved when Concrete Protector SB is allowed to dry and cure for at least 4 hours prior to burnishing.
5. Once dry, Concrete Protector SB may be burnished using a high-speed burnisher fitted with a Consolideck® Heat Burnishing Pad or 1500–3000 grit diamond polishing pad suitable for use on high-gloss finishes. In addition to smoothing and polishing the treated surface, high-speed burnishing can help to remove any surface haze from possible over application.
6. Repeat steps 1-5 above as necessary to provide additional stain protection. Apply up to two coats for maximum protection. Subsequent application or applications over surfaces treated with LSGuard® or PolishGuard will require less material and may take longer to dry.

Vertical Surfaces

1. Apply uniformly with low-pressure, pump-up sprayer using enough product to saturate the surface.
2. Brush out heavy runs or drips thoroughly for uniform coverage.
3. An additional coat can be applied after material has dried for at least 60–90 minutes. The second coat will require less material.

Drying Time

Under typical conditions, treated surfaces are ready for foot traffic when dry to the touch. Concrete Protector SB gains its stain resistance and water repellency after 24 hours. Stain resistance properties continue to improve for 7 days after application.

BEST PRACTICES

Concrete Protector SB may be applied to steel troweled, honed, polished or highly polished concrete surfaces. Concrete Protector SB can also be applied to surfaces previously treated with PROSOCO's LSGuard® or PolishGuard.

For best results, treat floors with PROSOCO's LS®, LS/CS® or Blended Densifier before application.

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. Over application can result in excessive darkening, extended drying times and surface haze.

ALWAYS TEST a representative area of each surface to confirm suitability, coverage rates and desired results before beginning overall application. Pre-testing will confirm suitability of surface preparation and application procedures proposed for general application, and will also determine the average coverage rates to be

Cleanup

Before product dries, clean tools and equipment with mineral spirits or equivalent cleaning solvent. Immediately wipe off over-spray from glass, aluminum, or other surfaces.

Maintenance

Sweep treated surfaces daily with a microfiber pad or dry dust mop.

Remove spills or stains from surfaces treated with Concrete Protector SB as soon as possible to minimize any potential for damage. Though Concrete Protector SB will improve the resistance of concrete surfaces to staining, acid concentrates and acidic foods may etch the floor and leave a residual stain.

Use PROSOCO's DailyKlean or LSKlean for maintenance cleaning. LSKlean 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 water and stain protection to high traffic areas on vertical floors, repeat Application Instructions steps 1–5 in affected areas.

If additional protective treatments or surface coatings are desired, contact PROSOCO Customer Care for recommendations by calling 1-800-255-4255.

maintained over the entire project.

Preferred method of application is low-pressure pump-up spray equipment (<50 psi). Do not atomize during application. Use a fan-type spray tip and adjust pressure to prevent atomization.

Best results are obtained when Concrete Protector SB is allowed to dry and cure for at least 4 hours prior to burnishing.

Use PROSOCO's DailyKlean as part of a comprehensive floor maintenance program that includes deep cleaning with PROSOCO's LSKlean. For concrete floors regularly maintained with auto scrubbers, see DailyKlean ULTRA 15 or DailyKlean ULTRA 30 for easy dilution. The same ease of dilution is available for deep cleaning with LSKlean ULTRA 15 and LSKlean ULTRA 30.

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

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

