Consolideck® LSGuard® Protective Treatment Specification

*Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products manufactured by PROSOCO, Inc. and should not be viewed as a complete source of information about the product(s). The Architect should always refer to the Product Data Sheet and SDS for additional recommendations and for safety information.*

*Specifier Note: Paragraph below is for PART 1 GENERAL, Quality Assurance.*

# Test Area

Test a minimum 4 ft. by 4 ft. area on each type of masonry. Use the manufacturer’s application instructions. Let test area protective treatment cure before inspection. Keep test panels available for comparison throughout the protective treatment project.

*Specifier Note: Paragraphs below are for PART 2 PRODUCTS, Manufacturers and Products.*

# Manufacturer

PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255; Fax: (785) 830-9797. E-mail: CustomerCare@prosoco.com

# Product Description

Consolideck® LSGuard® combines high gloss beauty with a high performing lithium silicate hardener. This copolymer formulation improves the surface sheen and stain resistance of conventional concrete, hardened concrete or cement terrazzo floors. Ideal for application to standard grey or colored concrete, Consolideck® LSGuard® protects and enhances the color intensity of integrally colored and color stained concrete. LSGuard® provides a long lasting, high gloss finish that eliminates the need for floor waxes, liquid polishes and conventional resin based coatings. Consolideck® LSGuard® will not trigger or contribute to surface ASR (Alkali Silicate Reaction).

# Typical Technical Data

FORM: Opaque white liquid

SPECIFIC GRAVITY: 1.08

pH: 11.0

WEIGHT/GALLON: 8.99 pounds

ACTIVE CONTENT: 22 percent

TOTAL SOLIDS: 22 percent (ASTM D2369)

VOC CONTENT: less than 100 g/L. Complies with all known national, state and district AIM VOC regulations.

FLASH POINT: greater than 212 degrees Fahrenheit (greater than 100 degrees Celsius) ASTM D3278

FREEZE POINT: 32 degrees Fahrenheit (0 degrees Celsius)

SHELF LIFE: 1 year in tightly sealed, unopened

# Limitations

* For indoor use only.
* Not for use on surfaces exposed to standing or pooling water.

*Specifier Note: Paragraphs below are for PART 3 EXECUTION, Installation.*

# Application

Before applying, read “Preparation” and “Safety Information” sections in the Manufacturer’s Product Data Sheet for application instructions.

Consolideck® LSGuard® may be applied to steel troweled, honed, polished or highly polished concrete surfaces. Do not dilute or alter when applying to cured concrete or cured/honed concrete. Dilute with up to 1 part fresh water when applying to polished or highly polished concrete.

SPECIFIER NOTE: For best results, floors should be treated with Consolideck® LS®, LS/CS® or Blended Densifier prior to application of LSGuard®.

Application Instructions

1. Lightly wet a clean microfiber pad with LSGuard® and wring out excess, leaving the pad damp.
2. Working from one control joint to another, apply a light, fine spray of LSGuard® to a small section of the floor using a clean, pump-up sprayer fitted with a 0.5 gpm spray tip.
3. Using the damp microfiber pad and firm downward pressure, immediately spread the LSGuard® to produce a thin, even coating. Spread the product as far as possible while maintaining a wet edge. Stop spreading once drying begins. Avoid overlapping. Properly applied, LSGuard® dries quickly.
4. Allow to dry tack free, typically 20-60 minutes.
5. Once dry, burnish LSGuard® using a high-speed burnisher fitted with a Consolideck® Heat High- Performance Burnishing Pad or equivalent polishing pad suitable for use on high-gloss finishes. In addition to smoothing and polishing the treated surface, high-speed burnishing heats the LSGuard® to help the treatment fuse and bond with the concrete for increased durability and longevity. Surface temperatures immediately behind the burnisher must achieve 90.5°F (32.5°C).
6. Repeat steps 1-5 above as necessary for the desired finish. Burnish between coats. Apply up to three coats for maximum gloss.

# Drying Time

Under typical conditions, the surface is ready for traffic within 1 hour of final burnishing. Protect from water exposure for 24 hours.

# Clean-up

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