

Consolideck® SL100 Water Repellent 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 MSDS 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.

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Product Description

Consolideck® SL100 is a modified, "neat" silane system that offers invisible protection and low volatility. SL100 protects horizontal and vertical concrete against water and waterborne contaminants. The small molecular structure ensures maximum penetration and colorless protection of dense, color sensitive surfaces. Ideal for GFRC, integrally colored precast concrete and many types of natural stone.

The absence of a solvent carrier enables applicators to achieve up to five times the coverage rate normally achieved with solvent-reduced protective treatments. Depth of penetration is controlled by the application rate (loading rate).

Technical Data

FORM: Clear to slight yellow liquid

SPECIFIC GRAVITY: 0.920

pH: not applicable

WEIGHT/GALLON: 7.65 pounds

ACTIVE CONTENT: 98 percent

TOTAL SOLIDS: 62 percent

FLASH POINT: 94 degrees F (34 degrees C) ASTM D 3278

FREEZE POINT: no data

SHELF LIFE: 1 year in unopened, factory-sealed container

VOC CONTENT: Maximum 350 grams per Liter. Not available in South Coast Air Quality Management District except in regulation exempt small container sizes. Complies with all other federal, state, and district AIM VOC regulations and building codes.

Limitations

- Not suitable for asphalt or other non-masonry materials.
- Do not atomize during application. Product contains a material that can cause serious lung damage or impairment if inhaled as an aerosol or fine mist.
- Do not buff or burnish after application. Product is not designed for use with buffing or burnishing equipment.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Do not apply over Consolideck® LS Guard.
- Will not prevent water penetration through structural cracks, defects or open joints.

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 Consolideck® SL100. Refer to the Product Data Sheet for additional information about application of Consolideck® SL100.

Dilution: Use as is. Do not dilute or alter, or use for purposes other than specified.

Vertical Application Instructions

Saturate surface in a single application without atomizing product. Use enough to thoroughly wet the surface. Thoroughly brush heavy runs and drips into the surface.

Horizontal Application Instructions

Apply once without atomizing product, using enough material to keep the surface wet approximately 30 to 60 seconds before penetrating. Broom out puddles until they completely penetrate the surface.

Porous Surfaces:

On extremely porous substrates, two applications will provide superior protection. Apply the second coat a few minutes after the first coat has penetrated and appears dry. Do not atomize product during application.

Dense Surfaces:

Apply a single coat without atomizing the product. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

Note: Protect from rain and pedestrian & foot traffic for at least 4 hours.

Cleanup

Clean tools and equipment immediately with mineral spirits, denatured alcohol or equivalent cleaning solvent. Remove rundown and spills as soon as possible.