

Consolideck® Saltguard® WB 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. See also PROSOCO Section 07190 Water Repellents.

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® Saltguard® WB is a ready-to-use water-based, VOC compliant silane/siloxane water repellent and "chloride screen" for the protection of concrete and masonry surfaces. Saltguard® WB penetrates more deeply than conventional water- or solvent-based water repellents. Low odor and alkaline stable, Saltguard® WB is ideal for field or in-plant application to concrete and most masonry surfaces. Saltguard® WB protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts.

Technical Data

ACTIVE SUBSTANCE: Emulsion of silanes and oligomeric alkyl alkoxy siloxanes.

ACTIVE MATERIAL CONTENT: 10%

FORM: White, milky liquid

SPECIFIC GRAVITY: 0.990

FLASH POINT: > 200 degrees F (>93 degrees C)

VOC: 194 grams/liter (ASTM D 3960)

WT./GAL: 8.24 lbs.

FREEZE POINT: 32 degrees F (0 degrees C)

Limitations

- Will not prevent water penetration through structural cracks, defects or open joints.
- Water repellency of treated surfaces will increase for up to 14 days after application.

Specifier Note: For Performance Specifying, paragraphs below are for PART 2 PRODUCTS, System Performance.

Performance Tests:

- NCHRP 244 Series II Reduction of Water absorption (compared to untreated control) 89%
- NCHRP 244 Series IV Reduction in total chloride ion concentration (compared to untreated control) 91%
- AASHTO T259/260
- Chloride penetration 2.8; Total chlorides, pcy 2.1
- ASTM C 140 Reduction of water absorption (compared to untreated control) 92%
- ASTM C 67 Reduction of water absorption (compared to untreated control) 94%

- ASTM E 514 Wind-driven rain penetration (percent reduction of control) 89%
- Surface deterioration/discoloration: None
- Penetration (depending on substrate) 1-10 mm
- Resistance to: Sunlight -- Excellent; Alkalinity -- Excellent
- Surface Appearance (after application) No change

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

Application

Before applying, read “Protect” and “Precautionary Measures” sections in the Manufacturer’s Product Data Sheet for Consolideck® Saltguard® WB. Refer to the Product Data Sheet for additional information about application of Saltguard® WB. Do not dilute or alter.

Vertical Application Instructions

1. For best results, apply Saltguard® WB “wet-on-wet” to a visibly dry and absorbent surface.
2. Alternate application methods

Spray: Saturate from the bottom up. Apply enough for a 4” to 8” (15 to 20 cm) rundown below the spray contact point. Let the first application penetrate for 5-10 minutes. Reapply in the same saturating manner. Less material will be needed for the second application.

Brush or roller: Apply uniformly. Saturate the surface. Let Saltguard® WB penetrate for 5 to 10 minutes. Brush out heavy runs and drips that don’t penetrate enough to keep the surface wet for 2 to 3 minutes before penetrating.

Horizontal Application Instructions

1. Apply Saltguard® WB in a single saturating application. Use enough to keep the surface wet for 2 to 3 minutes before penetrating.
2. Broom out all puddles thoroughly until they penetrate the surface. Wipe up all excess materials.

Note: Treated surfaces will dry to touch within 1 hour. Protect surfaces from rainfall for a minimum of 6 hours following treatment. Treated surfaces will be ready for pedestrian and vehicle traffic in 24 hours. Many surfaces may require several days to achieve full water repellent effectiveness.