PROSOCO® Concrete Silane WB 20 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 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

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# Product Description

PROSOCO® Concrete Silane WB 20 is a water-based, 20 percent silane emulsion, ready-to-use, high-grade, penetrating water repellent for concrete that provides resistance against the damaging effects of water intrusion, freeze-thaw cycles and chloride intrusion. Concrete Silane WB 20 penetrates completely and reacts to form a chemical bond within the substrate to form a water repellent barrier without a surface film or gloss. Treated surfaces retain their natural vapor permeability, natural color, texture and appearance. Depth of penetration is controlled by the application rate (loading rate).

# Typical Technical Data

FORM: milky white emulsion

SPECIFIC GRAVITY: 0.96 to 1.02

pH: 9.0 to 10.0

WEIGHT/GALLON: 8.0 to 8.5 pounds

ACTIVE CONTENT: 20 percent

FLASH POINT: greater than 158 degrees Fahrenheit (greater than 70 degrees Celsius)

FREEZE POINT: 32 degrees Fahrenheit (0 degrees Celsius)

WATER VAPOR TRANSMISSION: 100 percent retention, ASTM D6490

SHELF LIFE: 1 year in tightly sealed, unopened container

VOC CONTENT: 350 grams per Liter maximum

## Limitations

* May darken or enhance some surfaces. Always test to ensure desired results.
* Will not prevent water penetration through structural cracks, defects or open joints.
* Will not compensate for structural or material defects.
* Not suitable for asphalt or other non-masonry materials.
* Not appropriate for use on limestone, marble, travertine, other calcareous stones or non-concrete surfaces.
* Not recommended for below-grade applications or for use under hydrostatic pressure.
* Not available in South Coast Air Quality Management District.

SPECIFIER NOTE: Paragraphs below are for PART 3 EXECUTION, Installation.

# Application

Before applying, read “Preparation” section in the Manufacturer’s Product Data Sheet and the Safety Data Sheet PROSOCO® Concrete Silane WB 20. Refer to the Product Data Sheet for additional information about application of PROSOCO® Concrete Silane WB 20. Do not dilute or alter.

***Horizontal Surfaces Application Instructions***

Apply once using enough material to keep the surface wet approximately 30 to 60 seconds before penetrating. Broom out puddles until they completely penetrate the surface.

***Vertical Surfaces Application Instructions***

Saturate the surface in a single application using enough to thoroughly wet the surface. Thoroughly brush heavy runs and drips into the surface.

***Dense Surfaces Application Instructions***

On dense surfaces apply a single coat using enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

***Second Coat Application Instructions***

A second application may be needed on some porous surfaces. Apply the second coat a few minutes after the first coat penetrates and appears dry. Always test.

## Dry Time

Protect treated surfaces from rain, foot and vehicular traffic for at least 4 hours after application. PROSOCO® Concrete Silane WB 20 gains its water-repellency properties in 5 to 7 days.

## Cleanup

Clean tools and equipment immediately with soap and warm water. Use PROSOCO® Cleaner/Degreaser to remove dried residue from window glass within 3–5 days.