PROSOCO® Silane 100 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

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

# Product Description

PROSOCO® Silane 100 is a modified, “neat” silane system offering invisible protection and low volatility. Silane 100 protects horizontal and vertical concrete and masonry surfaces against water intrusion and salt attack. The absence of a solvent carrier enables applicators to achieve up to 5 times the coverage rate normally achieved with solvent-reduced protective treatments. Depth of penetration is controlled by the application rate (loading rate).

# Typical Technical Data

FORM: clear, slightly yellow liquid, slight alcohol odor

SPECIFIC GRAVITY: 0.88

pH: not applicable

WEIGHT/GALLON: 7.33 pounds

ACTIVE CONTENT: 100 percent

FLASH POINT: greater than 149 degrees Fahrenheit (greater than 65 degrees Celsius) ASTM D3278

WATER VAPOR TRANSMISSION: 82 percent retention, ASTM D6490

SHELF LIFE: 1 year in tightly sealed, unopened container

VOC CONTENT: 350 grams per Liter maximum , Reactive Penetrating Sealer

## Limitations

* Not suitable for asphalt or other non-masonry materials.
* Not appropriate for use on limestone, marble, travertine or other calcareous stones. Always test.
* May darken dense, colored or other sensitive substrates.
* Not recommended for below-grade applications or for use under hydrostatic pressure.
* Will not prevent water penetration through structural cracks, defects or open joints.
* Not available for sale 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 for PROSOCO® Silane 100. Refer to the Product Data Sheet for additional information about application of PROSOCO® Silane 100. Do not dilute or alter. Mix or stir well before use.

***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® Silane 100 gains its water-repellency properties in 72 hours.

## Cleanup

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