PROSOCO® Silane 40 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® Silane 40 is a clear, penetrating silane water repellent containing a solution of silane reduced in solvents. Silane 40 protects horizontal and vertical concrete and masonry surfaces against water intrusion and salt attack. The product’s low viscosity and small molecular size allows maximum penetration into the concrete or masonry surfaces. Depth of penetration is controlled by the application rate (loading rate). Silane 40 chemically reacts with the substrate to produce a long-lasting water repellent effect. Treated surfaces maintain their vapor permeability, slip resistance and other surface characteristics.

# Typical Technical Data

FORM: clear, colorless liquid, alcohol odor

SPECIFIC GRAVITY: 0.822

pH: not applicable

WEIGHT/GALLON: 6.84 pounds

ACTIVE CONTENT: 40 percent

FLASH POINT: 32 degrees Fahrenheit (0 degrees Celsius) ASTM D3278

WATER VAPOR TRANSMISSION: 91 percent retention, ASTM D6490

SHELF LIFE: 1 year in tightly sealed, unopened container

VOC CONTENT: 600 grams per Liter maximum

## Limitations

* Not suitable for asphalt or other non-masonry materials.
* Not appropriate for use on limestone, marble, travertine or other calcareous stones. Always test to ensure desired results.
* Mary 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 states and districts with more restrictive AIM VOC regulations.

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® SL40 Water Repellent. Refer to the Product Data Sheet for additional information about application of PROSOCO® Silane 40. 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 for at least 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 40 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.