

PRODUCT NAME

Rain-Shield™ Clear SX WB

Water-borne Silane/Siloxane Based Clear Sealer



MANUFACTURER

Gemite® Products Inc.

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FEATURES AND BENEFITS

- water borne
- penetrating
- chemically reactive with the substrate
- reduces water absorption and penetration
- breathable
- chemically resistant to atmospheric contamination
- long term durability
- increases freeze/thaw resistance of the substrate

PRODUCT DESCRIPTION

Basic Use

Rain-Shield Clear SX WB is a clear, water born penetrating sealer which prevents water and chloride intrusion into concrete, stucco, brick walls and concrete abutments. It is used primarily on vertical (wall) surfaces.

Composition of Materials

Rain-Shield Clear SX WB contains a silane/siloxane micro-emulsion. The small molecular size of the active materials allows maximum penetration into the concrete substrate. The organo-silicones in the presence of moisture react chemically with cement. This chemical reaction provides a permanent bond of the active water repellent material. The sealer is breathable and allows the moisture contained in concrete to escape freely.

Limitations

Rain-Shield Clear SX WB should not be used for water repellence below grade or under water head pressure and it will not stop water penetration through hairline cracks under wind driven rain conditions exceeding in size 0.2 mm, (0.010 in). The sealer may cause a slight darkening of the substrate in some instances.

Prepare a site test sample for approval by client/architect if the possibility of a slight darkening is of concern.

Health and Safety

Rain-Shield Clear SX WB is a nontoxic and nonflammable. Do not take internally; keep out of reach of children.If contact with skin occurs, wash with soap and water. Harmful if digested. Keep the product out of reach of children. FOR INDUSTRIAL

USE ONLY. Consult MSDS for additional information.

Packaging

Rain-Shield Clear SX WB is supplied 20 L (5 USG) containers.

Coverage

Apply Rain-Shield Clear SX WB at the following rates:

	US	Metric
Porous concrete and Brick	100-120 ft ² /US Gal.	2.5-2.9 m ² /L
Dense concrete	120-150 ft ² /US Gal.	2.9-3.7 m ² /L

The above figures are for estimation purposes only. The coverage rate must satisfy the surface porosity.

TECHNICAL DATA

Weight:	1.0 kg/L, 8.3 lbs/USG
Penetration	3 to 6 mm (1/8 - 1/4 in)
Water Absorption Reduction SS-W-110C	88 % improvement over control
Freeze/Thaw Scaling: ASTM C672	Improves resistance to freeze/thaw scaling

The results of testing of the product as per NCHRP 244, Series II testing are available upon request from Gemite Products Technical Service.

Note: Rain-Shield Clear SX WB can be also supplied in a concentrated form to be mixed on site with water. Please contact Gemite Products Inc. For further information.

Storage and Transportation

Shelf life of unopened containers is 6 (six) months. After opening the container, the material should be used within several weeks.

INSTALLATION

Surface must be clean and free of dust, dirt and other contaminants. The surface to be treated must be dry to allow good penetration of Rain-Shield Clear SX WB. All caulking, patching and joint sealing must be installed prior to application of Rain-Shield Clear SX WB. For maximum penetration a low pressure, airless spray is recommended. When using roller or brush, ensure that enough material is applied. Apply sufficient material to completely saturate the substrate.

MAINTENANCE

Resealing of the wall may be required to after some time to provide a continuing water protection. Depending upon the surface and application this may vary between 5-7 years. Please contact Gemite Products Inc. Additional information.

Gemite Products Inc.
July 1998

3 & 7

103064 Concrete Sealers
07180 Water Repellents

WARRANTY

A limited, twelve (12) months, Material Replacement Warranty is available. Contact Gemite Technical Service for further information.

TECHNICAL SERVICE

For advice on suitability of *Rain-Shield Clear SX WB* for a specific application, specification assistance and application advice contact Technical Services: US (888) 443-6483 or Canada (905) 672-2020.

Short Specification

The water repellent sealer will be water borne silane/siloxane micro-emulsion manufactured by Gemite Products Inc., Am

herst, NY (Mississauga, Ontario). It shall be applied at a minimum rate of _____m²/L (ft²)/USG as per manufacturer's current Guide Specifications and Application Instructions. It shall meet the following performance criteria:

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