

PRODUCT NAME

Rain-Shield™ Stain OP WB

Waterborne Acrylic Siloxane Based Stain



MANUFACTURER

Gemite® Products Inc.

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FEATURES AND BENEFITS

- Water-Based
- Maintains Surface Texture
- Reduces Water and Chloride penetration
- Breathable
- Excellent Adhesion
- Long Term Color Stability
- Protects from Carbonation
- Chemically Resistant to Atmospheric Contamination
- Alkali & UV resistant
- Mildew and Fungus Growth Resistant
- Long Term Durability (over 25 years performance)
- Increases Freeze-Thaw Resistance of substrates
- Reduces Dirt and Surface Staining
- Minimizes efflorescence and migrating salts
- Mildew & Fungus Growth Resistant
- Protects and Extends Life of structures
- Contributes to LEED points

PRODUCT DESCRIPTION

Basic Use

Rain-Shield Stain OP WB is a liquid, nonflammable protective stain for Sound walls, Bridge structures, Median barriers, Retaining walls and Tilt-up panels. It also provides architectural finishes for vertical walls, such as concrete, stucco, block and brick.

Composition of Materials

Rain-Shield Stain OP WB is a waterborne, water-repellent penetrating stain, providing a long term protection against elements. It provides color uniformity & corrects color imperfections of the substrate to beautify and significantly extend life of structures.

Limitations

Rain-Shield Stain OP WB should not be used below grade, and it will not stop water penetration through hairline cracks under wind driven rain conditions exceeding in size 0.025 mm (0.001 in).

Health and Safety

Rain-Shield Stain OP 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 Stain OP WB is supplied 20 L (5.3 USG) containers.

Coverage

Apply Rain-Shield Stain OP WB at the following rates:

	US	Metric
Porous concrete and Brick	150-200 ft ² /USG	3.7-4.9 m ² /L
Dense concrete	200-225 ft ² /USG	4.9-5.5 m ² /L

The above figures are for estimation purposes only.

TECHNICAL DATA

Weight:	1.22 kg/L, 10.18 lbs/USG	
Accelerated Weathering (ASTM G 53-69) Fluorescent UV - Condensation Type, 2,500 hours	Excellent color retention and resistance to chalking	
Permeance (ASTM E-96)	24.3 perms (1395 ng/Pa.s.m)	
Freeze/Thaw Scaling: ASTM C672	Improves resistance to freeze/thaw scaling	

Storage and Transportation

Shelf life of unopened containers is 12 (twelve) months. After opening the container, the material should be used within several weeks. Packaged 36 pails per pallet. Must NOT freeze.

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed.

Surface Preparation

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 Stain OP WB. All caulking, patching and joint sealing must be installed prior to application of Rain-Shield Stain OP WB.

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103064 Concrete Sealers
07180 Water Repellents

Mixing

Mix thoroughly (approximately 5 minutes) before application. Do not thin.

Application

Use airless spray equipment capable of delivering 1,000 psi (6,980 KPa) & 1.9 L (1/2 USG) per minute. Heavier equipment can be used on larger projects. A self-cleaning reversible tip with orifice 0.330-0.425 mm (0.013"-0.017") and minimum 40 degree fan angle is recommended. Roller or brush can also be used, but uniform application is essential for obtaining an even, "blotch" free surface. Establish break lines confirming to surface design breaks where possible.

Curing

Rain-Shield Stain OP WB is air-dry cured. It will be tack free within 1/2 hour and fully cured within 3-5 days depending upon temperature and relative humidity.

Clean Up

Clean all spray equipment and hoses immediately after application with water. Dry material can be cleaned using polar solvents e.g. acetone or other ketones.

AVAILABILITY AND COST

Rain-Shield Stain OP WB is available worldwide. Contact the manufacturer for the nearest Representative or Distributor and current pricing information. When ordering specify the color. In case of custom color, the color suitability must be established by Gemite before order can be processed.

MAINTENANCE

No maintenance is required. *Rain-Shield Stain OP WB* is self-cleaning. The atmospheric dust collected on the surface can be easily cleaned with water and detergent. If repair is required apply more of the same product.

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. for additional information.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

TECHNICAL SERVICE

For advice on suitability of *Rain-Shield Stain OP WB* for a specific application, specification assistance and application advice contact Technical Services: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The water repellent stain will be *Rain-Shield Stain OP WB*, water borne acrylic resin modified silane/siloxane micro-emulsion system manufactured by Gemite Products Inc. [USA 888-443-6483] [Canada 905-672-2020]. 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:

Weight:	1.22 kg/L, 10.18 lbs/USG
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Freeze/Thaw Scaling: ASTM C672	Improves resistance to freeze/thaw scaling