

PROSOCO R-Guard® Spray Wrap Rain Screen Fluid-Applied Air and Water-Resistive Barrier 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 Safety Data Sheet for additional recommendations and for safety information.

Specifier Note: Paragraph below is for PART 1 GENERAL, Quality Assurance.

MOCK-UPS

Apply fluid applied air barrier system to field-constructed mock-up assemblies illustrating material interfaces and seals. Use the manufacturer's application instructions. Keep mock-ups available for inspection throughout the project.

Specifier Note: Paragraphs below are for PART 2 PRODUCTS, Manufacturers and Products.

DISTRIBUTOR

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PRODUCT DESCRIPTION

PROSOCO R-Guard® Spray Wrap Rain Screen is a fluid applied air and water-resistive barrier that stops air and water leakage in cavity wall, masonry veneer construction, as well as in stucco, EIFS and most other building wall assemblies. Spray Wrap Rain Screen is specially formulated to meet the unique requirements of pressure-equalized rain screen construction. The easily applied liquid quickly dries into a rubberized, highly durable, water-resistant, vapor-permeable membrane. R-Guard Spray Wrap Rain Screen provides superior protection against water intrusion while minimizing potential for condensation within walls. Spray Wrap Rain Screen allows accumulated moisture to dry while reducing energy costs and lowering the risk of mold and mildew. The durable membrane conforms and adheres to common building surfaces and is compatible with most paints, sealants and self-adhered waterproofing or air barrier components. Use PROSOCO R-Guard® Spray Wrap Rain Screen as a high-performing water-resistive barrier or as part of a continuous, building-wide air barrier system. Appropriate for vertical, above-grade applications to exterior gypsum board sheathing, OSB and plywood; CMU; cast concrete and most other common building materials.

TYPICAL TECHNICAL DATA

FORM: batter like semi-gel liquid, gray color

SPECIFIC GRAVITY: 1.37

pH: 8.5 to 9.5

WEIGHT/GALLON: 11.40 pounds
ACTIVE CONTENT: no data
TOTAL SOLIDS: 63 to 68 percent
VOC CONTENT: less than 18 grams per Liter. Complies with all known national, state and district AIM VOC regulations.
FLASH POINT: not applicable
FREEZE POINT: 32 degrees Fahrenheit (0 degrees Celsius)
SHELF LIFE: 2 years in tightly-sealed, unopened container

LIMITATIONS

- Do not apply when surface or air temperatures are below 25 degrees Fahrenheit (-3 degrees Celsius) or above 100 degrees Fahrenheit (38 degrees Celsius).
- Not for application below-grade or in locations designed to be continuously immersed in water.
- Not for use as an exterior finish.

Specifier Note: Paragraphs below are for PART 3 EXECUTION, Installation.

INSTALLATION

Before applying, read the “Preparation” section in the Manufacturer’s Product Data Sheet for PROSOCO R-Guard® Spray Wrap Rain Screen. Refer to the Product Data Sheet for additional information about application. Do not dilute or alter R-Guard Spray Wrap Rain Screen. Mix well before use with a low-speed drill and clean mixing paddle. Avoid mixing air into the membrane. Do not add water, over mix or add accelerators or retarders.

SPECIFIER NOTE: Prepare all joints, seams cracks, fastener penetrations and rough openings prior to application of the primary air barrier. See appropriate product data sheets and R-Guard Installation Guidelines for more information.

APPLICATION: EXTERIOR SHEATHING

1. Apply sufficient Spray Wrap Rain Screen to achieve a continuous, pinhole free coating.
2. When spray applying, back rolling is necessary to ensure there are no pinholes, voids or gaps in the membrane.
3. Inspect membrane before covering. Repair any deep gouges, punctures or damaged areas with R-Guard FastFlash® or R-Guard Joint & Seam Filler. If the surface of the primary air barrier or liquid flashing membrane is damaged during construction, remove all loose surface contaminants before selective recoating with additional FastFlash®, Joint & Seam Filler or Spray Wrap Rain Screen. Overlap repairs, penetration treatments, transitions, R-Guard SS ThruWall, rigid flashing and other air barrier components to ensure positive drainage and continuity of the air and water-resistive barrier.

APPLICATION: CMU WALL CONSTRUCTION

1. Apply sufficient Spray Wrap Rain Screen to fill and cover the entire face of the exterior wall assembly. Let dry.
2. Apply a second coat to achieve hide. The finished application must be continuous and free of voids and pinholes. Back rolling spray applications is necessary to maximize coverage for a void- and pinhole-free surface. Take special care to achieve full coverage around wall ties or surface irregularities.
3. Inspect membrane before covering. Repair any deep gouges, punctures or damaged areas with FastFlash® or Joint & Seam Filler. If the surface of the primary air barrier or liquid flashing membrane is damaged during construction, remove all loose surface contaminants before selective recoating with additional R-Guard FastFlash®, R-Guard Joint & Seam Filler or R-Guard Spray Wrap Rain Screen. Overlap repairs, penetration treatments, transitions, rigid flashing and other air barrier components to ensure positive drainage and continuity of the air and water-resistive barrier.

CURING AND DRYING

Curing and drying times vary with temperature, humidity and surface conditions. Protect from rain until completely cured. Surface temperatures should remain at least 25 degrees Fahrenheit (-3 degrees Celsius) and rising after application and until curing is complete. Spray Wrap Rain Screen dries to the touch in 1 hour and can be re-coated in 2 hours. Product drying time is 12 hours at 70 degrees Fahrenheit (21 degrees Celsius) and 50 percent relative humidity.

TYPICAL COVERAGE

Coverage rates may vary depending on surface porosity, moisture uptake and other factors. Actual rates must be determined through mock-up applications.

- Exterior Gypsum Board, OSB and Plywood: 50 to 100 square feet per gallon
- CMU: 30 to 60 square feet per gallon per coat. Two coat minimum required to achieve a pinhole free surface.

SPECIFIER NOTE: Many gypsum sheathing products require additional material to achieve hide and the desired mil thickness for a pinhole free coating.

SPECIFIER NOTE: Oriented Strand Board and some gypsum sheathing will require additional material due to varying substrate porosity.

CLEANUP

Clean tools and equipment with soapy water immediately after use. Dried material must be removed mechanically.