

PROSOCO R-Guard® VB Fluid-Applied Membrane Air & Water-Resistive Barrier and Water Vapor (IMPERMEABLE) 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 MSDS 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.

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 R-Guard® VB 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. The easily applied liquid quickly dries into a rubberized, highly-durable, water-resistant membrane. R-Guard VB performs the function of both a vapor barrier and an air/water resistive barrier and is ideal for special construction types that require protection from the passage of air, liquid water and water vapor. R-Guard VB reduces heating and cooling costs and lowers the risk of mold and mildew.

Use PROSOCO R-Guard® VB as a high-performing water resistive barrier, vapor barrier or as part of a continuous building-wide air barrier system. 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. R-Guard VB is appropriate for vertical, above-grade applications to structural sheathing, CMU, cast concrete and most other common building materials.

TYPICAL TECHNICAL DATA

FORM: Viscous liquid, mild odor, light green color

SPECIFIC GRAVITY: 1.34

pH: 7.5 to 10.0

WEIGHT/GALLON: 11.12 pounds per gallon

ACTIVE CONTENT: no data

TOTAL SOLIDS: 62.5 percent ASTM D 2369

FLASH POINT: not applicable

FREEZE POINT: 32 degrees Fahrenheit (0 degrees Celsius)

SHELF LIFE: 1 year in tightly sealed, unopened container.

VOC CONTENT: 45 grams per Liter. Complies with all known national, state and district AIM VOC regulations.

Limitations

- Do not apply when surface or air temperatures are below 40 degrees Fahrenheit (4 degrees Celsius) or above 110 degrees Fahrenheit (43 degrees Celsius).
- Not for use 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.

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

Installation

Before applying, read “Preparation” and “Safety Information” sections in the Manufacturer’s Product Data Sheet for PROSOCO R-Guard® VB. Refer to the Product Data Sheet for additional information about application.

Do not dilute or alter R-Guard VB, except for use in sprayers. Mix well before use with a low-speed drill and clean mixing paddle. Avoid mixing air into the membrane. The product may be thinned with up to 5 percent fresh water, based on surface, drying conditions and equipment.

Application

SPECIFIER NOTE: Typical application requires two coats at 15 wet mils each. Some sheathing may require additional material to achieve a continuous coating.

SPECIFIER NOTE: For CMU applications, take special care to achieve full coverage around wall ties or surface irregularities.

1. Apply one coat at 15 wet mils. Allow to dry.
2. Apply second coat to uniform thickness of 15 wet mils. When spray applying, back rolling is necessary to maximize coverage for a void- and pinhole-free surface.
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 FastFlash, Joint & Seam Filler or VB. Overlap repairs, penetration treatments, transitions, SS ThruWall, rigid flashing and other air barrier components to ensure positive drainage and continuity of the air and water-resistive barrier.

Curing and Drying

Complete drying times vary with temperature, humidity and surface conditions. Protect from rain or freezing until completely dry. At 70 degrees Fahrenheit (21 degrees Celsius) and 50 percent relative humidity, R-Guard VB dries to touch and can be over coated in 2 to 4 hours.

Coverage

Coverage varies depending on surface porosity, moisture uptake and other factors. Actual rates must be determined through mock-up applications. R-Guard VB is packaged in 5-gallon containers:

- Exterior Gypsum Board and Plywood: 40 to 50 square feet per gallon per coat
- OSB and CMU: 30 to 50 square feet per gallon per coat. Two coat minimum required to achieve a pinhole-free surface.

SPECIFIER NOTE: Some gypsum sheathing products, OSB and CMU may require additional material to achieve hide and the desired mil thickness for a pinhole-free coating. In those cases, more than two coats may be required.

Cleanup

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