

Specification Notes

PROSOCO R-Guard® Cat 5® Specification for Air and Water-Resistive Barrier

Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products distributed and/or 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 Material Safety Data Sheet for additional recommendations and for safety information.

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

Mock-Ups:
Apply 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@proso.com

Product Description
PROSOCO R-Guard® Cat 5 is fluid applied, waterproofing and air and water barrier membrane combining the best of silicone and polyurethane properties. This single component, Silyl-Terminated-Polymer (STP) is roller applied to produce a highly durable, seamless, elastomeric waterproofing membrane on exterior sheathing, CMU back-up walls and pre-cast concrete. R-Guard Cat 5 is proven to prevent water and air penetration of the building envelope in conditions ranging from every day weather to the drenching rains and 155 mph winds of a Category 5 hurricane.

PROSOCO R-Guard® Cat 5 can be applied in unfavorable weather conditions to dry or damp surfaces, eliminating many weather-related construction delays and accelerating the "drying in" of new buildings. The durable, elastomeric membrane adheres to most surfaces, is immediately waterproof and is compatible with most sealants and waterproofing or air barrier components.

TYPICAL TECHNICAL DATA
FORM: viscous liquid, mild odor; light brown color
SPECIFIC GRAVITY: 1.35 to 1.50
pH: Not applicable
WEIGHT/GALLON: 11.6 pounds per gallon
TOTAL SOLIDS: 99 percent
VOC: less than 30 grams per Liter
Complies with all known national, state and district AIM VOC regulations.
FLASH POINT: greater than 200 degrees Fahrenheit (greater than 93 degrees Celsius)
FREEZE POINT: Not applicable
SHELF LIFE: 1 year in tightly sealed, unopened container

Limitations

- Not for use as a liquid flashing membrane. Use R-Guard FastFlash.
- Not for use in place of appropriate through-wall flashing. Use R-Guard SS ThruWall.
- Not for use below grade or in locations which are continuously immersed in water.

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

Installation
Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for PROSOCO R-Guard® Cat 5. Refer to the Product Data Sheet for additional information about application.

Use R-Guard Cat 5 in concentrate. Do not dilute or alter. Mix well before use with a low-speed drill and paddle. Avoid mixing air into the membrane.

Application Instructions

- Roller apply R-Guard Cat 5 to exterior wall assembly using vertical strokes with a slight diagonal slant ensuring coverage that is free of pinholes, voids and gaps. Seal masonry ties and other penetrations as work progresses.
- Allow product to cure and dry.
- Inspect membrane before covering. Repair any deep gouges, punctures, or damaged areas with additional Cat 5, or FastFlash or Joint & Seam Filler.

SPECIFIER NOTE: If air or surface temperatures exceed 95 degrees Fahrenheit (35 degrees Celsius), apply to shaded surfaces and before daytime air and surface temperatures reach their peak.

SPECIFIER NOTE: Some substrates will require additional material to achieve a continuous coating. Inspect surface after application and touch-up as needed. CMU, OSB and exceptionally porous gypsum sheathing may require two coats.

SPECIFIER NOTE: If the surface of the primary air barrier or liquid flashing membrane is damaged during construction, remove all loose surface contaminants before selective re-coating with Cat 5®. Alternatively, fill deep gouges with R-Guard Joint & Seam Filler and/or repair surface damage using R-Guard FastFlash®.

SPECIFIER NOTE: Overlapping repairs, penetration treatments, transitions, rigid flashing and other air barrier components ensures positive drainage and continuity of the air and water-resistive barrier.

Cure and Dry Time
At 70 degrees Fahrenheit (21 degrees Celsius) and 50 percent relative humidity, Cat 5 skins in approximately 2-hours and cures in approximately 12 hours when applied at 12 mil thickness.

Coverage
Coverage rates vary depending on surface porosity, moisture uptake and other factors. In some cases, particularly on CMU, two coats may be required to achieve a pinhole free coating.

- Exterior Gypsum Board, OSB and Plywood: 50-100 square feet per gallon
- CMU: 50-80 square feet per gallon

SPECIFIER NOTE: Actual rates must be determined through mock-up applications.

Cleanup
Clean tools and equipment immediately using mineral spirits or similar solvent.

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PROSOCO R-GUARD® FastFlash Liquid-Applied Flashing Membrane Specification

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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@proso.com

Product Description
PROSOCO R-GUARD® FastFlash is a waterproofing, adhesive and detailing compound for use as a liquid flashing membrane. R-GUARD FastFlash allows same day installation of windows, doors and other wall assembly, waterproofing or air barrier components. FastFlash produces a highly durable, seamless, elastomeric flashing membrane. Use FastFlash to adhere, transition and counter-flash R-Guard SS ThruWall or other through-wall sheet flashing.

The single-component Silyl-Terminated-Polymer (STP) bonds directly to damp or dry surfaces and cures under a variety of weather conditions. Appropriate for vertical or horizontal, above-grade applications, use R-Guard FastFlash as part of a building-wide R-GUARD Air & Water-Resistive Barrier system or to complement conventional waterproofing or air barrier components.

TYPICAL TECHNICAL DATA
FORM: viscous paste, mild odor, red color
SPECIFIC GRAVITY: 1.40 to 1.55
pH: not applicable
WEIGHT/GALLON: 11.75 to 12.5 pounds per gallon
TOTAL SOLIDS: 99 percent
VOC: 30 grams per Liter, maximum
Complies with all known national, state and district AIM VOC regulations.
FLASH POINT: greater than 200 degrees Fahrenheit (greater than 93 degrees Celsius)
FREEZE POINT: not applicable
SHELF LIFE: 1 year in tightly sealed, unopened container

Limitations

- Not for use as a structural sealant.
- Not for use in place of appropriate through-wall flashing.
- Not for use below grade or in locations designed to be continuously immersed in water.

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

Installation
Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for R-Guard FastFlash. Refer to the Product Data Sheet for additional information about application.

Use R-GUARD FastFlash in concentrate. Do not dilute or alter or use for applications other than specified. Roller-grade FastFlash must be mixed before use with a low-speed drill and Jiffy Mixer paddle. Mix roller-grade FastFlash well from top to bottom and side-to-side for a minimum of 3 minutes before use; avoid mixing air into the product. Once opened, roller-grade FastFlash should be used immediately.

SPECIFIER NOTE: Treat joints ranging from one-quarter (1/4) to one-half (1/2) inch with backer rod before application. Alternatively, R-Guard Joint & Seam Filler may be used in place of backer rod.

SPECIFIER NOTE: Joints ranging from one-half (1/2) to one (1) inch require backer rod and R-Guard Joint & Seam Filler.

FastFlash® to all sheathing joints, seams and cracks. On plywood, spot wood knots, deep cracks or surface irregularities.

1. Use a DRY joint knife, trowel or spatula to tool and spread the product. Spread one (1) inch beyond seam at each side to a thickness of 12 to 15 mils.

2. Allow to skin before installing other waterproofing or air barrier components.

Apply a minimum 3/8 inch bead of gun-grade FastFlash in each corner of the rough opening. Strike with a DRY joint knife or caulking tool.

3. Apply additional FastFlash over the exterior framing inside the rough opening. Spread the wet product to create an opaque, monolithic flashing membrane.

4. Apply additional FastFlash® to the exterior wall surrounding the rough opening. Spread the product to create an opaque, monolithic flashing membrane at 12 to 15 mils which surrounds the rough opening and extends 4 to 6 inches (100 to 152 millimeters) over the face of the exterior wall.

5. Allow treated surfaces to skin before installing windows, doors and other wall assembly, waterproofing or air barrier components.

Application Instructions: Flashing Transitions
After applying R-Guard Spray Wrap MVP, Cat 5, Cat 5 Rain Screen, VB or other waterproofing or air barrier component, use FastFlash to fill any cracks or voids to achieve a seamless, pinhole and void free coating.

Coverage
Coverage varies depending on surface texture and irregularities. Coverage estimates are for applications at 12 to 15 mils

- 22 to 28 square feet per 28-oz tube
- 15 to 17 square feet per 20-oz sausage
- 50 to 100 square feet per 1-gallon

Cleanup
Clean tools and equipment with mineral spirits or similar solvent immediately after use. Remove cured FastFlash mechanically using a sharp-edged tool.

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PROSOCO R-Guard® Joint & Seam Filler Specification for Fiber-Reinforced Fill Coat and Seam Treatment

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

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Product Description
PROSOCO R-Guard® Joint & Seam Filler fills openings and creates transitions where flexible reinforcement is required to bridge gaps and provide continuous support of fluid-applied flashing membranes, waterproofing or air barrier components. R-Guard Joint & Seam Filler is a single component, fiber-reinforced Silyl-Terminated-Polymer (STP) gun-grade detailing compound suitable for all climates.

Joint & Seam Filler bonds directly to damp or dry surfaces and eliminates the need for reinforcing tapes at sheathing joints, inside and outside corners. Appropriate for vertical or horizontal above-grade applications to concrete, masonry, natural stone, structural sheathing, architectural metals, painted metals, glass, PVC, FRP, EPDM and most other building materials.

TYPICAL TECHNICAL DATA
FORM: pale red, viscous paste with mild odor
SPECIFIC GRAVITY: 1.4 to 1.5
pH: Not applicable
WT/GAL: 11.8 pounds per gallon
TOTAL SOLIDS: 99 percent
VOC: 30 grams per Liter, maximum
Complies with all known national, state and district AIM VOC regulations.
FLASH POINT: No data
FREEZE POINT: No data
SHELF LIFE: 1 year in unopened, factory-sealed container

Limitations

- Not for use as a structural sealant.
- Not for use as a liquid flashing membrane.
- Not for use in place of appropriate through-wall flashing.
- Not for use below grade or in locations which are continuously immersed in water.

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

Installation
Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for R-Guard Joint & Seam Filler. Refer to the Product Data Sheet for additional information about application.

Use R-Guard Joint & Seam Filler in concentrate. Do not dilute or alter. No mixing is required.

Application Instructions: Filling Joints, Seams and Cracks

- Fill or repair cracks larger than one-half (1/2) inch.
- Apply a thick bead of Joint & Seam Filler to all sheathing joints, seams and cracks.
- Using a DRY joint knife, trowel or spatula, tool and spread the product. Spread 1-inch beyond seam at each side to 20 to 30 mil thickness.
- Allow to skin before installing other waterproofing or air barrier components.

Application Instructions: Waterproofing Fastener Penetrations

- Spot fastener penetrations with Joint & Seam Filler.
- On plywood, spot wood knots, deep cracks or surface irregularities.
- Allow to skin before installing other waterproofing or air barrier components.

Application Instructions: Detailing Rough Openings

- Fill or repair cracks larger than one-half (1/2) inch.
- Prime all raw gypsum board edges with R-Guard PorousPrep.
- Apply a thick bead of Joint & Seam Filler to all inside corners, cracks, joints and seams within the rough opening.
- Using a DRY joint knife, trowel or spatula, tool and spread the product. Spread 1-inch beyond seam on each side to 20 to 30 mil thickness.
- Allow to skin before installing R-Guard FastFlash® or other waterproofing components.

Application Instructions: Flashing Transitions

- Fill or repair cracks larger than one-half (1/2) inch.
- Fasten the flashing leg to the vertical wall surface using a bead of Joint & Seam Filler or conventional methods.
- Fill any voids between the flashing leg and the vertical wall with Joint & Seam Filler.
- Apply and tool Joint & Seam Filler as needed to direct water from the vertical wall to the face of the flashing.
- Apply and tool Joint & Seam Filler at inside corners to ensure positive drainage.
- Allow treated surfaces to skin before installing R-Guard FastFlash®.
- Use Joint & Seam Filler to fill any remaining surface imperfections to provide positive drainage and continuous support of fluid-applied flashing membranes, waterproofing or air-barrier components.

Coverage
Coverage varies based on surface texture and irregularities. Spread 1 inch on each side of the sheathing joint at 20 to 30 mils. Joint width varies from 0 to 0.25 inches.

- 60.5 to 65.5 lineal feet per 20 ounce cartridge
- 38.5 to 60.5 lineal feet per 20 ounce sausage

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Issued

 :Permit Set
 :G.C. Bid Set
 :Owner Review
 :9-15-16:Structural Review