PROSOCO R-Guard® Joint & Seam Filler

# Specification for Fiber-Reinforced Fill Coat and Seam Treatment

*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@prosoco.com](mailto:CustomerCare@prosoco.com)

# 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

WEIGHT/GALLON: 11.8 pounds per gallon

TOTAL SOLIDS: 99 percent

FLASH POINT: No data

FREEZE POINT: No data

SHELF LIFE: 1 year in unopened, factory-sealed container

VOC: 30 grams per Liter, maximum. Complies with all known national, state and district AIM VOC regulations.

# Limitations

* 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 Detailing Fastener Heads and Around Penetrations**

1. Apply a bead of Joint & Seam Filler to all sheathing joints, seams and cracks then strike smooth with a DRY tool. Detail over wood knots, deep cracks or surface irregularities to complete the surface preparation.
2. Use a DRY knife, trowel or spatula to spread the product 1 inch beyond the sheathing seams on each side to a thickness of 20 to 30 mils.
3. Spot fastener heads and strike with a DRY tool.
4. Allow to skin before installing other waterproofing or air barrier components.

SPECIFIER NOTE: Do not use soapy water when tooling or spreading.

SPECIFIER NOTE: Joint widths up to 3/8 inch may be treated without backer rod. Treat joints ranging from 3/8 to 1 inch with backer rod before applying Joint & Seam Filler. Joints larger than 1 inch must be structurally improved or addressed with R-Guard SureSpan EX transition extrusion.

**Application Instructions: Detailing and Waterproofing Fastener Penetrations (Window and Door Penetrations)**

1. Apply a bead of Joint & Seam Filler in each corner of the rough opening and at the sheathing to stud transition, then strike smooth with a DRY tool.
2. Use a DRY joint knife, trowel or spatula to tool and spread the product 1 inch beyond seam on each side to a thickness of 20 to 30 mils.
3. Allow treated surfaces to skin over before installing R-Guard FastFlash®.

SPECIFIER NOTE: Do not use soapy water when tooling or spreading.

SPECIFIER NOTE: Joint widths up to 3/8 inch may be treated without backer rod. Treat joints ranging from 3/8 to 1 inch with backer rod before applying Joint & Seam Filler. Joints larger than 1 inch must be structurally improved or addressed with R-Guard SureSpan EX transition extrusion.

**Application Instructions: Flashing Transitions**

1. Fasten R-Guard SS ThruWall or other 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.
2. Apply and tool Joint & Seam Filler as needed to direct water from the vertical wall to the face of the SS ThruWall or other flashing.
3. Apply and tool Joint & Seam Filler at inside corners to ensure positive drainage.
4. Allow treated surfaces to skin before installing R-Guard FastFlash®.
5. Use Joint & Seam Filler to fill any remaining surface imperfections to provide positive drainage and continuous support of fluid-applied flashing membranes.

SPECIFIER NOTE: Do not use soapy water when tooling or spreading.

# Curing and Drying

At 70 degrees Fahrenheit (21 degrees Celsius) and 50 percent relative humidity, R-Guard Joint & Seam Filler skins within 30 minutes and dries in 4 hours. Surfaces treated with R-Guard Joint & Seam Filler are paintable with most paints after 2 hours.

SPECIFIER NOTE: R-Guard Joint & Seam Filler is moisture curing. Low temperatures and low relative humidity slow dry time. High temperatures and high humidity accelerate drying.

# Typical Coverage

Coverage varies based on surface texture and irregularities. Estimated coverage includes overlapping 1 inch on each side of the sheathing joint where the joint width varies from 0 to 0.25 inches.

* 60.5 to 93.5 linear feet per 29 ounce cartridge
* 38.5 to 60.5 linear feet per 20 ounce sausage

# Cleanup

Clean tools and equipment immediately with mineral spirits or similar solvent. Remove cured product mechanically with a sharp-edged tool.