

PROSOCO R-GUARD® AirDam® Air and Weather Barrier Sealant for Windows & Doors Specification

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

Product Description

PROSOCO R-GUARD® AirDam® is a medium modulus sealant that completes the air barrier system by stopping the movement of moist air through cracks surrounding windows and doors. AirDam® is a single component, 98% solids Silyl-Terminated-Polymer (STP) combining the best of silicone and polyurethane properties. Appropriate for interior or exterior use, AirDam® is easy to gun and tool in all weather conditions and cures quickly producing a durable, high-performance, high-movement elastomeric sealant. R-GUARD AirDam® is immediately waterproof and can be applied in unfavorable weather conditions to dry or damp substrates.

TYPICAL TECHNICAL DATA

FORM: heavy white paste, mild odor

SPECIFIC GRAVITY: 1.3 to 1.4

pH: not applicable

WT./GAL.: 11.648 pounds per gallon

ACTIVE CONTENT: 98 percent

TOTAL SOLIDS: 98 percent

FLASH POINT: more than 200 degrees Fahrenheit (more than 93 degrees Celsius)

FREEZE POINT: not applicable

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

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

Limitations

- Not for use bridging gaps more than 2-inches wide.
- Not for underwater applications.
- Not for applications in direct contact with strong acids or solvents.

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® AirDam®. Refer to the Product Data Sheet for additional information about application.

Use R-GUARD AirDam® as packaged. Do not dilute or alter, or use for specifications other than as specified. No mixing is required.

Application Instructions

1. Install sealant with professional grade caulking gun in continuous beads without gaps or air pockets.
2. Tool sealant immediately to ensure complete wetting of joint bond surface and to produce a smooth, concave joint profile flush with the edges of the adjacent surfaces. Where horizontal and vertical surfaces meet, tool sealant to create a slight cove so as not to trap moisture or debris.

SPECIFIER NOTE: Do not use soapy water or solvent to help with the tooling process or to slick the surface profile.

Curing and Drying

R-GUARD AirDam® cures at the rate of 1/8-inch of depth per day. High humidity accelerates curing and drying time.

Coverage

Coverage varies depending on width and depth of joints. Rough surface irregularities will reduce coverage. The table below is a guideline when estimating sealant requirements.

JOINT WIDTH (D x W) Inches	LINEAR FEET SEALED	
	20-oz Sausage	10.3-oz Cartridge
3/16 x 1/4	64	33
3/16 x 1/2	32	16
1/4 x 1/4	48	25
1/4 x 1/2	24	12
3/8 x 3/8	21	11
3/8 x 5/8	13	6.6
1/2 x 1/2	12	6.2
1/2 x 3/4	8	4.1

Cleanup

Clean tools and equipment with mineral spirits or similar solvent immediately after use.