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 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 gun-grade waterproofing sealant combining the best of silicone and polyurethane properties. AirDam® creates a long lasting, weather-tight seal that prevents moist air from escaping around window and door assemblies. AirDam® is a single component, 98% solids Silyl-Terminated-Polymer (STP) that is appropriate for interior or exterior use, 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**

Install sealant with professional grade caulking gun in continuous beads without gaps or air pockets. 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.

# Typical Coverage

Typical 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 | LINEAR FEET SEALED |
| (D x W) Inches | 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.