

# 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 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® 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 sprayed or roller applied to produce a highly durable, seamless, elastomeric weatherproofing 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: 1.26 to 1.33

pH: Not applicable

WEIGHT/GALLON: 10.75 pounds per gallon

TOTAL SOLIDS: 99 percent

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

**Limitations**

- Not for use as a liquid flashing membrane.
- Not for use with Insulated Concrete Forms. Contact PROSOCO for recommendations.
- 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” in the Manufacturer’s Product Data Sheet for PROSOCO® R-Guard® Cat 5. Refer to the Product Data Sheet for additional information about application and equipment requirements.

Use R-Guard Cat 5 in concentrate. Do not dilute or alter. Mix with a low-speed drill and Jiffy Mixer, mixing well from top to bottom and side-to-side for a minimum of 3 minutes before use. Avoid mixing air into the product.

**Application Instructions**

1. With the spray gun 12 to 18 inches from the surface, spray apply R-Guard Cat 5 to exterior wall assembly at 15 wet mils using a crosshatch spray pattern. Ensure there are no pinholes, voids or gaps in the membrane. Alternatively, roller apply using vertical strokes with a slight diagonal slant ensuring coverage that is free of pinholes, voids and gaps.
2. Seal masonry ties and other penetrations as work progresses.
3. Allow product to cure and dry.
4. Inspect membrane before covering to ensure a void- and pinhole-free surface. 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 additional FastFlash®, Joint & Seam Filler or Cat 5.

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

**Dry Time**

At 70 degrees Fahrenheit (21 degrees Celsius) and 50 percent relative humidity, Cat 5™ skins in approximately 2-hours and dries in approximately 12 hours when applied at 15 mil thickness.

**Typical Coverage**

Coverage rates vary depending on surface porosity, moisture uptake and other factors. Cat 5 is sold in 5-gallon containers.

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

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

**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 covering. In those cases, more than two coats may be required.

**Cleanup**

Clean tools and equipment immediately using mineral spirits or similar solvent. Do not allow Cat 5 to sit idle in the sprayer for more than 15 minutes.