PROSOCO R-Guard® StuccoPrime® Specification: Flexible Primer Interface for Stucco Application

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

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# Product Description

PROSOCO R-Guard® StuccoPrime® is a flexible primer interface that allows stucco to be applied to be direct-applied to CMU, masonry and concrete surfaces which have been coated with R-Guard Cat 5™ or R-Guard FastFlash®. The stucco scratch coat is applied to wet StuccoPrime®, and the two cure together forming a strong chemical and mechanical bond. Cementitious stucco, mortars and plasters bond tenaciously to StuccoPrime® while preserving the integrity of the underlying waterproofing membrane. StuccoPrime® is not water reduced and will not emulsify when exposed to water.

# TYPICAL TECHNICAL DATA

FORM: gray viscous liquid, mild odor

SPECIFIC GRAVITY: 1.25 to 1.45

WEIGHT PER GALLON: 11.2 pounds per gallon

ACTIVE CONTENT: 100 percent

TOTAL SOLIDS: 100 percent

VOC: 15 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)

SHELF LIFE: 2 years in tightly sealed, unopened container

SHRINKAGE: none

# Limitations

* PROSOCO R-Guard® StuccoPrime® is a special order product available to approved applicators only.
* Site-specific training of installation crews in proper use and application by an R-Guard field technical representative is required.
* Use only over surfaces previously treated with PROSOCO R-Guard® FastFlash® or PROSOCO R-Guard® Cat 5™.
* Do not allow StuccoPrime® to dry. Limit application to surfaces that can be covered with stucco scratch coat while primer is still “transfer wet to touch.”
* Application window will vary with surface and ambient temperatures, direct sunlight and wind. Schedule work accordingly.
* May have slight incompatibility with residues of some asphaltic materials or butyl adhesives that may have previously been on the CMU. Always test first.

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 and Safety Data Sheet for PROSOCO R-Guard® StuccoPrime®. Refer to the Product Data Sheet for additional information about surface preparation and application.

Use R-Guard StuccoPrime® in concentrate. Do not dilute or alter, or use for applications other than specified. Mix well before use with a low-speed drill and paddle to avoid mixing air into the primer.

SPECIFIER NOTE: Allow R-Guard FastFlash® or R-Guard Cat 5™ to dry overnight before applying R-Guard StuccoPrime®.

SPECIFIER NOTE: Schedule application of StuccoPrime® immediately before installation of the stucco scratch coat. Normal application window varies depending upon wind, temperature and exposure.

SPECIFIER NOTE: When only FastFlash® is used to prepare wall penetrations, apply StuccoPrime® to the face of the wall extending 1 inch beyond termination of the FastFlash® application.

**Application Instructions**

1. Apply StuccoPrime® to the surface using a 3/8-inch nap roller. Using the roller or a notched trowel, spread StuccoPrime® to achieve a uniform coverage of 6 to 8 wet mils. Over application may cause the stucco scratch coat to slide/sad before full bond is achieved.

SPECIFIER NOTE: To promote full adhesion, StuccoPrime® must be “transfer wet to touch” when the wet stucco scratch coat is installed. The primer is still “transfer wet to touch” when material transfers to the hand when touched. If StuccoPrime® is no longer “transfer wet to touch,” reapply as instructed above before proceeding with installation of the wet stucco scratch coat.

1. Follow stucco manufacturer’s recommendations for mixing stucco with sand and preparation of the stucco scratch coat. Working from the bottom up and from one control joint to the next, apply 1/4-inch of stucco scratch coat to the “transfer wet to touch” primed surface. Do not interrupt application within a panel. Press the scratch coat firmly into the wet primer to ensure full and intimate contact. This action densifies the scratch coat, initiates cure and promotes bonding with the primer. Avoid excessive troweling. The bond between StuccoPrime® and the stucco scratch coat continues to strengthen as all stucco layers are fully hydrated. Initial bond strength supports application of the stucco brown coat within 1 to 3 days.
2. Follow stucco manufacturer’s recommendations for frequency and duration of water hydration and cure between installation of stucco scratch coat, stucco brown coat and all subsequent stucco layers. Keep fresh stucco moist by fogging with water and/or covering with a plastic sheet to avoid premature drying of the stucco and ensure complete hydration.

SPECIFIER NOTE: StuccoPrime® dries slowly to allow time for the wet stucco scratch coat to be applied to the wet primer. Applied wet-on-wet, StuccoPrime® and the scratch coat cure together forming a strong chemical and mechanical bond.

SPECIFIER NOTE: Hot Weather Precautions: Wind and high temperatures accelerate drying of StuccoPrime®. If air or surface temperatures exceed 95°F (35°C), apply StuccoPrime® to shaded surfaces and before daytime air and surface temperatures reach their peak. Test to determine the best dwell time between application of the primer and the wet stucco scratch coat.

SPECIFIER NOTE: Take care to control drying and ensure full hydration because drying occurs through the exposed face of the stucco scratch coat. If sounding confirms an intimate bond exists on both sides of a crack no larger than 1/8-inch, proceed with normal installation of the stucco brown coat. To reduce the possibility of the crack telegraphing to the visible surface of the completed stucco project – and for larger cracks – repair the crack per stucco manufacturer’s instructions before proceeding.

# typical Coverage

Coverage varies based on surface texture and irregularities. StuccoPrime® is sold in 1-gallon and 5-gallon containers. Estimated coverage when applied at 6 to 8 mils:

* 150 to 180 square feet per 1-gallon
* 750 to 900 square feet per 5-gallon

# Cleanup

Before product cures, clean tools and equipment immediately with mineral spirits or similar solvent.