DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 25 00—WATER-RESISTIVE BARRIERS/WEATHER BARRIERS
SECTION: 07 27 00—AIR BARRIERS

REPORT HOLDER:

PROSOCO, INC.

EVALUATION SUBJECT:

R-GUARD SPRAY WRAP MVP AIR AND WATER-RESISTIVE BARRIER SYSTEM

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”
ICC-ES Evaluation Report

ESR-4191

Issued February 2019

This report is subject to renewal February 2020.

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R-GUARD SPRAY WRAP MVP AIR & WATER-RESISTIVE BARRIER SYSTEM

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:
- 2018 and 2015 International Building Code® (IBC)
- 2018 and 2015 International Residential Code® (IRC)

Properties evaluated:
- Water resistance
- Air barrier material
- Surface-burning characteristics
- Fire-resistance-rated construction

1.2 Evaluation to the following green code(s) and/or standards:
- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015 and 2012 International Green Construction Code® (IgCC)

Attributes verified:
See Section 3.1.

2.0 USES

The R-Guard Spray Wrap MVP Air & Water-resistive Barrier System is used as an alternative to the water-resistive barrier specified in Section 1403.2 of the 2018 IBC (Section 1404.2 of the 2015 IBC) and Section R703.2 of the IRC when installed over wood and glass-mat faced gypsum-based sheathing in exterior walls of any construction type. The system may also be used as an air barrier material in accordance with IRC Section N1102.4, and IECC Sections C402.5 and R402.4.

The R-Guard Spray Wrap MVP Air & Water-resistive Barrier System complying with ASTM E2570 is used over sheathing where EIFS cladding is to be used in accordance with 2018 IBC Section 1407.4.1 (2015 IBC Section 1408.4.1) and IRC Section R703.9.

For exterior walls of buildings of Types I, II, III, and IV construction that are greater than 40 feet (12.2 meters) above grade plane, R-Guard Spray Wrap MVP Air & Water-resistive Barrier System may be used in accordance with Exception 1 of the 2018 IBC Section 1402.5 (2015 IBC Section 1403.5).

3.0 DESCRIPTION

3.1 General:

The R-Guard Spray Wrap MVP Air & Water-resistive Barrier System consists of: R-Guard Spray Wrap MVP, R-Guard Joint & Seam Filler, R-Guard FastFlash®, and R-Guard PorousPrep.

The attributes of the R-Guard Spray Wrap MVP Air & Water-resistive Barrier System have been verified as conforming to the requirements of (i) CALGreen Section 5.407.1 for water-resistive barriers and Section A4.407.5 for air barriers; (ii) 2015 and 2012 IgCC Section 605.1.2.1 for air barriers; (iii) 2014 ASHRAE 189.1 Section 7.3.1.1 and 2011 ASHRAE 189.1 Section 7.4.2.9 for air barriers; (iv) ICC 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (v) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (vi) ICC 700-2008 Section 602.9 for water resistive barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

3.1.1 R-Guard Spray Wrap MVP: R-Guard Spray Wrap MVP is a fluid-applied air and water-resistive barrier that is ready-mixed, water-based, roller and spray-applied liquid coating material. It is packaged in 5-gallon (18.9 liter) and 55-gallon (208.2 liter) buckets weighing 57.15 pounds (25.9 kilograms) and 628.65 pounds (285.2 kilograms),
respectively. The product has a two-year shelf life after the
date of manufacture when stored in its original unopened
container at the temperature range of 40°F (4°C) to 80°F
(26.7°C). The coating is a pink color. The R-Guard Spray
Wrap MVP has a flame-spread index of 25 or less and a
smoke-developed index of 450 or less when tested in
accordance with ASTM E96.

3.1.2 R-Guard Joint & Seam Filler: R-Guard Joint
& Seam Filler is a single-component, ready-mixed, flexible,
polymer-based, fiber-reinforced seam and crack filling
liquid compound. R-Guard Joint & Seam Filler is
packaged in 20 ounce (591.5 milliliter) and 29 ounce
(857.6 milliliter) caulking guns and sausages. The
product has a one-year shelf life after the date of
manufacture when stored in the original unopened
container at the temperature range of 40°F (4.4°C) to 80°F
(26.7°C).

3.1.3 R-Guard FastFlash®: R-Guard FastFlash® is a
single-component, ready-mixed, flexible, polymer-based,
gun-grade material. R-Guard FastFlash® is packaged in
20-ounce (591.5 milliliter) and 29-ounce (857.6 milliliter)
caulking guns and sausages. The product has a one-
year shelf life after the date of manufacture when stored
in the original unopened container at the temperature range of 40°F (4.4°C) to 80°F (26.7°C). R-Guard
FastFlash® complies with AAMA 714-12 in accordance
with IRC Section R703.4.

3.1.4 R-Guard PorousPrep: R-Guard PorousPrep is a
water-based liquid applied to the exposed edges of the
gypsum board at openings and corners.

3.2 Water Vapor Transmission:
The water vapor transmission value of R-Guard Spray
Wrap MVP as determined in accordance with ASTM E96,
Method B (Water Method) is as follows:

- R-Guard Spray Wrap MVP: 25 perms (171.46 g/m² per
24 hours) when tested at a thickness of 10 wet mils
(0.254 mm)

3.3 Sheathing
The use of the R-Guard Spray Wrap MVP Air & Water-
resistive Barrier System is limited to applications over the
following sheathing materials:

- Oriented strand board, Exposure 1, complying with U.S.
  DOC PS-2
- Glass-mat faced gypsum recognized in a current
evaluation report as complying with ASTM C1177.

4.0 INSTALLATION

4.1 General:
The installation of R-Guard Spray Wrap MVP Air & Water-
resistive Barrier System must comply with this report and
the manufacturer’s published installation instructions. The
manufacturer’s published installation instructions must be
available at the jobsite at all times during installation.

4.2 Substrate Preparation:
The R-Guard Spray Wrap MVP Air & Water-resistive
Barrier System must be installed on the exterior side of
vertical exterior walls, over the exterior sheathing. The
sheathing type must be one of those listed in Section 3.3 of
this report. Sheathing must be installed as required by the
applicable code. The sheathing surfaces must be free of all
bond-inhibiting materials including dirt, oil, and other
foreign matter. The R-Guard Spray Wrap MVP Air & Water-resistive Barrier System must not be installed on
wet surfaces, below-grade surfaces, or on surfaces subject
to water immersion. The substrate surfaces must be in
compliance with the manufacturer’s published installation
instructions to ensure bonding (adhesion) of the coating,
rough opening treatment and joint sealant. For glass-mat
faced gypsum based sheathing, R-Guard PorousPrep
must be applied to the exposed edges of the gypsum
board. Damaged sheathing must be removed and
replaced.

4.3 R-Guard Joint & Seam Filler Application:
R-Guard Joint & Seam Filler must be applied to a minimum
thickness of 20 wet mils (0.51 mm) to all inside and outside
corners, all wall sheathing joints and must cover the heads
of all overdriven sheathing fasteners.

4.4 R-Guard FastFlash® Application:
R-Guard FastFlash® is applied in the rough openings,
extending onto the sheathing surface 4 to 6 inches
(101.6 to 152.4 mm). Flashing complying with the
applicable code or recognized in an ICC-ES evaluation
report, must be installed at transitions to beams, columns,
window and door openings, etc. in shingle fashion to shed
water.

4.5 R-Guard Spray Wrap MVP
R-Guard Spray Wrap MVP fluid-applied air &
water-resistive barrier must be applied over the sheathing
after the R-Guard Joint & Seam Filler and R-Guard
FastFlash® have developed a skin on their surfaces.
R-Guard Spray Wrap MVP must be applied to a uniform
wet film thickness of 10 mils (0.254 mm). The coating
should be applied when air and surface temperatures are
between 25°F (-3°C) to 100°F (38°C) and surfaces are
frost free. The coating, filler and rough opening treatment
materials must be dry to the touch before covering.

5.0 CONDITIONS OF USE
The R-Guard Spray Wrap MVP Air & Water-resistive
Barrier System described in this report complies with, or is
a suitable alternative to what is specified in, those codes
listed in Section 1.0 of this report, subject to the following
conditions:

5.1 Installation must comply with this report, the
manufacturer’s published installation instructions, and
the applicable code. In the event of a conflict between
this report and the manufacturer’s published
installation instructions, this report governs.

5.2 For EIFS application, special inspections are required
at the jobsite in accordance with IBC Section
1705.16.1. For other applications, special inspections
are not required at the jobsite if installation is done by
an installer or contractor trained by the manufacturer,
and a certificate of installation is presented to the
code official at the completion of each project; other-
wise, special inspections are required at the
jobsite in accordance with IBC Section 1707. Duties
of the inspector include verifying field preparation of
materials, expiration dates, installation components,
curing of components, installation of joints and
sealants, applied dry-film thickness and interface of
coating material with flashings. Special inspections
are not required under the IRC.

5.3 Use of the R-Guard FastFlash® as a flashing material,
integrated with the R-Guard Spray Wrap MVP Air &
Water-resistive Barrier coating, around windows,
doors and other openings on exterior walls, is
recognized for use under the IRC.
5.4 The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System is limited to installations on vertical walls.

5.5 The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System must be covered with an exterior wall covering complying with the applicable code or recognized in a current ICC-ES evaluation report.

5.6 Repairing of joints and cracks greater than 1/8 inch (3.2 mm) using the R-Guard Spray Wrap MVP Air & Water-resistant Barrier System is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistant Coatings used as Weather-resistant Barriers over Exterior Sheathing (AC212), dated February 2015 (editorially revised April 2018).

6.2 Data in accordance with ASTM E84 (UL723).

6.3 Data in accordance with AAMA 714 per Section 3.4 of ICC-ES Acceptance Criteria for Flexible Flashing (AC148), dated July 2017 (editorially revised May 2018).

7.0 IDENTIFICATION

7.1 Packages of the R-Guard Spray Wrap MVP, R-Guard Joint & Seam Filler, and R-Guard FastFlash described in this report must be identified by a label bearing the manufacturer’s name (PROSOCO, Inc.) and address, product name, product number, identification of components, lot or batch number, quantity of material in packaged mix, storage instructions, date of manufacturer, shelf life, and the ICC-ES evaluation report number (ESR-4191). Packages of R-Guard PorousPrep described in this report must be identified by a label bearing the manufacturer’s name and address, product name, product number, identification of components, lot of batch number, quantity of material in packaged mix, storage instructions, date of manufacturer, and shelf life.

7.2 The report holder’s contact information is the following:

PROSOCO, INC.
3741 GREENWAY CIRCLE
LAWRENCE, KANSAS 66046
(800) 255-4255
www.prosoco.com
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that the R-Guard Spray Wrap MVP Air & Water-resistant Barrier System, recognized in ICC-ES master evaluation report ESR-4191, has also been evaluated for compliance with the codes noted below.

Applicable code editions:
- 2016 California Building Code® (CBC)
- 2016 California Residential Code® (CRC)
- 2016 California Energy Code® (CEC)

2.0 CONCLUSIONS

2.1 CBC:
The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4191, complies with CBC Chapter 14, provided the design and installation are in accordance with the 2015 International Building Code® (2015 IBC) provisions noted in the master report and the applicable provisions of the CBC. Use an air barrier must be in accordance with the CEC.

The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System has not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.2 CRC:
The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4191, complies with CRC Chapter 7, provided the design and installation are in accordance with the 2015 International Residential Code® (2015 IRC) provisions noted in the master report and the applicable provisions of the CRC. Use an an air barrier must be in accordance with the CEC.

The R-Guard Spray Wrap MVP Air & Water-resistant Barrier System has not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The system recognized in this supplement has not been evaluated for compliance with the International Wildland–Urban Interface Code®.

This supplement expires concurrently with the master report, issued February 2019.
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that R-Guard Spray Wrap MVP Air & Water-resistive Barrier System, recognized in ICC-ES master evaluation report ESR-4191, has also been evaluated for compliance with the codes noted below.

Applicable code editions:
- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The R-Guard Spray Wrap MVP Air & Water-resistive Barrier System, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4191, comply with the Florida Building Code—Building and Florida Building Code—Residential, provided the design and installation are in accordance with the 2015 International Building Code provisions noted in the master report.

Use of the R-Guard Spray Wrap MVP Air & Water-resistive Barrier System for compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code—Building and Florida Building Code—Residential has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-3, verification that the report holder’s quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, issued February 2019.