



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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NOTICE OF ACCEPTANCE (NOA)

Simon Roofing and Sheet Metal Corp. dba SR Products
70 Karago Avenue
Youngstown, OH 44512

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: SRMG CLP+ FR & CPM Max Roof Systems over Recover Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 8.

The submitted documentation was reviewed by Alex Tigera.



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Approval Date: 09/21/23
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ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Single & 2-Ply
<u>Material:</u>	CSPE
<u>Deck Type:</u>	Recover
<u>Maximum Design Pressure</u>	See Specific Assemblies

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
CLP+ FR	50 mils	ASTM D5019	Internally reinforced, thermoset single ply and multi-ply roof membrane.
CPM Max	50 mils	ASTM D5019	Internally reinforced, thermoset single ply and multi-ply roof membrane.
CPM Coating	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant roof coating used as a top coat in CLP+ FR & CPM Max Systems.
Wite Brite Coating	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant roof coating used as a top coat in CLP+ FR & CPM Max Systems.
CPM Coating FR	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant, and fire-resistant roof coating used as an inner-ply coat in CLP+ FR & CPM Max Systems.
Wite Brite Elastomeric Coating – Contrast FR	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant, and fire-resistant roof coating used as an inner-ply coat in CPM Systems.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
STYROFOAM HIGHLOAD 60	Extruded Polystyrene foam insulation	DuPont de Nemours, Inc.



APPROVED FASTENERS/ADHESIVES:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	Trufast #15 EHD Fastener	Insulation fastener for wood, steel and concrete decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
2.	Trufast 2.4" Barbed Metal Seam Plate	Galvalume steel stress plate.	2.4" Round	Altenloh, Brinck & Co. U.S., Inc.
3.	Trufast 3" Metal Insulation Plate	Galvalume steel stress plate.	3" Round	Altenloh, Brinck & Co. U.S., Inc.
4.	Trufast #12 DP Fastener	Insulation fastener for wood and steel decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
5.	SR Epoxy Adhesive	A two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
6.	CPM Bonding Adhesive	A two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
7.	SR Mono Epoxy	Two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
8.	CPM Seam Adhesive	Two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Report Identifier</u>	<u>Test Name</u>	<u>Date</u>
Underwriters Laboratories	R19353	UL 790	07/07/20
NEMO ETC, LLC	4a-SIM-19-LSWUS-05.A.R1	FM 4474 / TAS 114 (D) / TAS 114 (J)	01/31/20
	4q-SIM-19-SSMBB-01.A	ASTM D5665	05/05/20
	4p-SIM-20-SSLAP-01.A	Various	05/05/20
	4p-SIM-19-SSLAP-02.A	ASTM D6083	06/08/20
	2a-SIM-20-LSWUS-01.A.R1	FM 4474 (D) / TAS 114 (J)	08/25/20
	4r-SIM-20-SSTHP-01.A	ASTM D5019 (MD Proposal #20-0066)	02/22/21
	4i-SIM-20-SSCRT-01.A	FM 4470 / TAS 114 (H) / TAS 117 (B)	02/22/21
	4p-SIM-21-SSLAP-01.A	Various	01/19/22

DECK STRESS ANALYSIS CALCULATIONS/REPORTS:

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
Robert Nieminen, P.E.	Signed/Sealed Calculations	C(1), D(1), D(2)	03/17/23

APPROVED ASSEMBLIES

Membrane Type: Multi Ply, CSPE

Deck Type 7I: Recover, Insulated

Deck Description: Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c. *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 300 lbf. when tested with fasteners, listed in this assembly, installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(1): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
STYROFOAM HIGHLOAD 60 Minimum 2.0" thick	1, 3	1:2 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: CLP+ FR or CPM Max adhered to the insulation substrate with SR Epoxy Adhesive or CPM Bonding Adhesive applied at a rate of 1.5 gal./sq. (0.75 gal./side). Laps sealed with SR Epoxy Adhesive or CPM Bonding Adhesive applied at a rate of 75 lineal ft/gal.

Membrane: CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. Laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.

Surfacing: CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.

Maximum Design Pressure: -75.0 psf. (See General Limitation #7.)



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Membrane Type: Multi Ply, CSPE

Deck Type 7I: Recover, Insulated

Deck Description: Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c. *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 548 lbf. when tested with fasteners, listed in this assembly, installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(1): Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II Minimum 1.5" thick	3, 4	1:5.3 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates, 12" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.

Membrane: CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.

Surfacing: CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.

Maximum Design Pressure: -45.0 psf. (See General Limitation #7.)



Membrane Type: Multi Ply, CSPE

Deck Type 7I: Recover, Insulated

Deck Description: Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c. *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 593 lbf. when tested with fasteners, listed in this assembly, installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(2): Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II Minimum 1.5" thick	3, 4	1:5.3 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates, 12" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.

Membrane: CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.

Surfacing: CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.

Maximum Design Pressure: -90.0 psf. (See General Limitation #7.)



RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.

Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE