



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION

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Simon Roofing and Sheet Metal Corporation 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: SR Products Conventional Built-Up-Roof Systems over Steel 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 7.

The submitted documentation was reviewed by Alex Tigera.



NOA No.: 14-0122.05
 Expiration Date: 11/06/18
 Approval Date: 10/29/15
 Page 1 of 7

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	BUR
Material:	Fiberglass
Deck Type:	Steel
Maximum Design Pressure:	-90 psf.

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>
SR Ply 4 GS	39.37" (1 meter) Wide	ASTM D2178	Smooth surfaced asphaltic ply sheet reinforced with fiberglass mat.
SR Base GS V	39.37" (1 meter) Wide	ASTM D4897	Smooth surfaced asphaltic perforated venting base sheet reinforced with fiberglass mat.
SR MB S21G S	39.37" (1 meter) Wide	ASTM D6163	SBS polymer-modified asphalt base or ply sheet reinforced with a fiberglass mat.
SR MB S22P S	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced mop applied SBS base or ply sheet reinforced with a polyester mat.
SR MB S30P S	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced mop applied SBS base or ply sheet reinforced with a polyester mat.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
H-Shield	Polyisocyanurate foam insulation	Hunter Panels, LLC
ENRGY 3	Polyisocyanurate foam insulation	Johns Manville
ACFoam Composite	Polyisocyanurate foam insulation with high density fiberboard or permalite	Atlas Roofing Corporation
FescoBoard	Perlite insulation board	Johns Manville
Retro-Fit Board	Perlite recover board	Johns Manville
DensDeck® Roof Board	Gypsum board	Georgia-Pacific Gypsum LLC
DensDeck® Prime® Roof Board	Gypsum board	Georgia-Pacific Gypsum LLC
SECUROCK® Gypsum-Fiber Roof Board	Gypsum board	USG Corporation
Structodek® High Density Fiberboard Roof Insulation	High density fiberboard	Blue Ridge FiberBoard, Inc.

APPROVED FASTENERS:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	#12 Standard Roofgrip	Phillips head, modified buttress thread, pinch point, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. length, #3 Phillips head.	OMG, Inc.
2.	#14 Roofgrip	Truss head, self-drilling, pinch point, high thread fastener for use in steel, wood or concrete decks.	#14 x 16" max. length, #3 Phillips head.	OMG, Inc.
3.	AccuTrac Flat Bottom	A2-SS aluminized steel plate for use with Drill-Tec™ fasteners.	3" square; .017" thick	OMG, Inc.
4.	AccuTrac Plate	Galvalume® steel plate with recess for use with Drill-Tec™ fasteners.	3" square; .017" thick	OMG, Inc.
5.	3 in. Round Metal Plate	Round Galvalume® steel stress plate with reinforcing ribs and recessed for use with Drill-Tec™ fasteners.	3" Round	OMG, Inc.
6.	3 in. Ribbed Galvalume Plate	Galvalume® coated steel stress plate for use with approved Drill-Tec™ fasteners.	3" Round	OMG, Inc.



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>	
Factory Mutual Research Corp.	2B8A4.AM	4470	07/02/97	
	3B9Q1.AM	4470	01/08/98	
	0D0A8.AM	4470	07/09/99	
	0Y9Q5.AM	4470	04/01/98	
	3011140	4470	08/14/01	
	3014547	4470	05/22/03	
	3017250	4470	04/05/04	
	3035140	4470	08/10/09	
	3023458	4470	07/18/06	
	3034312	4470	04/09/09	
	3046388	4470	09/24/12	
	3036614	4470	06/09/06	
	Underwriters Laboratories, Inc.	R1306	UL 790	07/22/13
	IRT-ARCON, Inc.	04-009	TAS 114-J	01/26/04
Trinity ERD	G34140.04.11-2	ASTM D6163	04/25/11	
	G31360.03.10	ASTM D6164	03/31/10	
	G34140.04.11-4	ASTM D4601	04/25/11	
	G34140.04.11-5	ASTM D4897	04/25/11	
	G34140.04.11-5-R1	ASTM D4897	10/18/13	
	G6850.08.07-1	ASTM D3909	08/13/07	
	G33470.01.11	ASTM D6164	11/16/11	
	C8500SC.11.07	ASTM D6862	11/30/07	
	G30250.02.10-3-R1	ASTM D3909	11/26/12	
	G33470.01.11	ASTM D6164	01/13/11	
PRI Construction Materials Technologies LLC	G30250.02.10-3-R1	ASTM D3909	11/26/12	
	G30250.02.10-2	ASTM D6222	02/11/10	
	GAF-314-02-01	ASTM D2178	08/23/11	
	GAF-315-02-01	ASTM D2178	08/23/11	
	GAF-369-02-01	ASTM C1289	10/23/12	
Momentum Technologies, Inc.	GAF-082-02-01	ASTM D6083	05/09/06	
	GAF-084-02-01	ASTM D6083	07/08/05	
	GAF-245-02-01	ASTM D6083	05/07/06	
	AX04C9A	ASTM D6162	06/05/09	



APPROVED ASSEMBLIES:

Membrane Type: BUR

Deck Type 2I: Steel, Insulated

Deck Description: 22 gauge steel, 33 ksi

System Type B(1): Base layer of insulation is mechanically attached to roof deck. Any subsequent layers are then adhered to base layer of insulation. Membrane is subsequently fully or partially adhered to insulation.

All General and System Limitations apply.

Thermal Barrier: Minimum 1/4" DensDeck® Roof Board, DensDeck® Prime® Roof Board, (Optional) 1/2" Securock® Gypsum-Fiber Roof Board or 3/4" EnergyGuard™ Perlite Roof Insulation loose laid on steel deck.

Insulations: See Insulation Options Table B(1) below. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Ply Sheet: Three or more plies of SR Ply 4 GS in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to the insulation in accordance with manufacturer's instructions.

Surfacing: Flood coat of hot asphalt applied at 60 lbs./sq. followed by gravel applied at 400 lbs./sq. or slag applied at a rate of 300 lbs./sq.

Maximum Design Pressure: -45 psf. (See General Limitation #9.)

Insulation Options Table for Assembly B(1)

- Option #1.** *Base Layer:* Min. 1.5" ISO 95+ GL mechanically fastened at 1:4 ft² with any of the approved fasteners in Table 3.
Top Layer: 0.5 – 1.0" Retro-Fit Board or 0.25 – 0.625" SECUROCK® Gypsum-Fiber Roof Board, DensDeck® Roof Board or DensDeck® Prime® Roof Board mopped in approved asphalt at the rate of 20-25 lbs./sq.
- Option #2.** *Base Layer:* Min. 1.5" ISO 95+ GL mechanically fastened at 1:2.67 ft² with any of the approved fasteners in Table 3.
Top Layer: 0.5 – 1.0" Structodek® High Density Fiberboard Roof Insulation or Retro-Fit Board mopped in approved asphalt at the rate of 20-25 lbs./sq.
- Option #3.** *Base Layer:* Min. 2.0" ISO 95+ GL mechanically fastened at 1:4 ft² with any of the approved fasteners in Table 3.
Top Layer: 0.25 – 1.0" thick Structodek® High Density Fiberboard Roof Insulation or 0.75 – 1.0" thick Retro-Fit Board mopped in approved asphalt at the rate of 20-25 lbs./sq.

Note: One or more layers of insulation may be installed with a maximum 12 inch insulation thickness.



Membrane Type: BUR

Deck Type 2I: Steel, Insulated

Deck Description: 22 gauge steel, 33 ksi

System Type C(1): All layer of insulation are mechanically attached to roof deck. Membrane is subsequently partially adhered to insulation.

All General and System Limitations apply.

Thermal Barrier: Minimum 1/4" DensDeck® Roof Board, DensDeck® Prime® Roof Board,
(Optional) 1/2" SECUROCK® Gypsum-Fiber Roof Board or 3/4" FescoBoard loose laid on steel deck.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ISO 95+ GL Minimum 1.5" thick	1, 2, 3, 4, 5, 6	1:2.0 ft²

Note: Two or more layers of insulation are installed with a maximum 12 inch insulation thickness. Insulation is secured to the steel deck with joints staggered. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of SR Base GS V with 2" side laps, loose laid dry.

Ply Sheet: Three plies of SR Ply 4 GS in a full mopping of approved asphalt to the insulation applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied in accordance with manufacturer's instructions. All coatings must be listed within a current NOA.

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating.

Maximum Design

Pressure: -45 psf. (See General Limitation #9.)



STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

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