



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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 Built-up Roofing 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 renews NOA No. 11-0831.06 and consists of pages 1 through 12.
 The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 12-1029.04
 Expiration Date: 04/10/14
 Approval Date: 03/28/13
 Page 1 of 12

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: BUR
Deck Type: Steel
Maximum Design Pressure: -105 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> |
|--------------------------------|-----------------------------|---------------------------|---|
| S.R. SuperiorPly | 3' x 110' | ASTM D4601 | Roofing sheet comprised of fiberglass mat and modified bitumen compound. |
| S.R. SuperiorPly Ultra | 3' x 75' | ASTM D4601 | Roofing sheet comprised of glass fiber, strand and non-woven polyester mat coated with oxidized asphalt surfaced with fine sand. |
| SuperiorFlex Seal MG Plus | 5 Gallon Pails | ASTM D4586 | A Fiberglass reinforced polymer-enriched waterproofing material. |
| SuperiorFlex Seal Max | 5 Gallon Pails | ASTM D3019 | A two component modified coal tar epoxy used as a protective roof coating. |
| SuperiorFlex Seal Plus | 5 Gallon Pails | ASTM D3019 | A thermoplastic rubber coating and mastic designed for waterproofing a variety of structural surfaces. |
| S.R. Insulation Adhesive | 5 Gallon Pails | Proprietary | A two-component modified coal tar epoxy designed for adhering a wide range of approved insulation materials to standard roof deck assemblies. |
| Wite Brite Elastomeric Coating | 5 and 55 gallons Containers | ASTM D6083 | A water-based elastomeric coating. |

APPROVED INSULATIONS:

Table 2

| Product Name | Product Description | Manufacturer (With Current NOA) |
|----------------------------------|--------------------------------------|--|
| ACFoam II | Polyisocyanurate foam insulation | Atlas Roofing Corporation |
| H-Shield | Polyisocyanurate foam insulation | Hunter Panels, LLC |
| Fiber Base HD | Asphalt coated wood fiber insulation | Temple Inland Forest Products Corp. |
| SECUROCK Gypsum-Fiber Roof Board | Fiber reinforced coverboard | USG |



APPROVED FASTENERS:

TABLE 3

| Fastener Number | Product Name | Product Description | Dimensions | Manufacturer (With Current NOA) |
|------------------------|----------------------|---|-------------------|--|
| 1. | HD Roofing Fastener | Heavy Duty Insulation fastener and Base Play fastener for steel, wood & concrete decks. | Various lengths | OMG, Inc. |
| 2. | XHD Roofing Fastener | Extra Heavy Duty Insulation fastener and Base Play fastener for steel, wood & concrete decks. | Various lengths | OMG, Inc. |
| 3. | Metal Plate | Galvalume stress plate. | 3" round | OMG, Inc. |

EVIDENCE SUBMITTED:

| <u>Test Agency</u> | <u>Test Identifier</u> | <u>Description</u> | <u>Date</u> |
|--------------------------------|-------------------------------|---------------------------|--------------------|
| IRT-ARCON, Inc. | IRT06019 | TAS 114 "J" | 5/18/06 |
| | IRT06049 | TAS 114 "J" | 5/18/06 |
| | IRT06063 | TAS 114 "J" | 11/6/06 |
| | IRT06022 | TAS 114 "J" | 5/22/06 |
| | IRT06039 | TAS 114 "J" | 6/26/06 |
| | IRT06052 | TAS 114 "J" | 9/15/06 |
| | IRT06054 | TAS 114 "J" | 9/13/06 |
| | IRT06057 | TAS 114 "J" | 9/27/06 |
| FM Approvals | 3028326 | FM 4470 | 10/26/07 |
| | 3008019 | FM 4470 | 05/17/02 |
| Underwriters Laboratories, Inc | R19353 | UL 790 | 10/01/07 |
| | R13477 | UL 790 | 09/17/07 |
| | R22025 | UL 790 | 01/24/06 |
| Momentum Technologies, Inc | EX30F6A | Physical Properties | 10/17/06 |
| | EX19H5A | Physical Properties | 10/17/06 |
| | EX29F6A | Physical Properties | 10/17/06 |
| | TX08L6A | TAS 117(B) & ASTM D4601 | 12/13/06 |
| | TX08L6A | TAS 117(B) & ASTM D4601 | 01/05/07 |
| | TX07E7A | ASTM D4586 | 06/21/07 |
| | EX20C7A | ASTM D903 | 06/29/07 |
| | TX07E7B | ASTM D3019 | 06/21/07 |
| | TX07E7C | ASTM D3019 | 06/21/07 |
| | EX12B3B | ASTM D6083 | 05/17/03 |
| PRI Asphalt Technologies | SRP-008-02-01 | TAS 114(H) & ASTM D6083 | 10/19/05 |



APPROVED ASSEMBLIES

Deck Type 2I: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5” wide rib type BW36SS Grade 40 steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8” puddle welds at every 1.5” wide rib. Steel deck laps fastened with #12- 3/4” Tek-1 self drilling fasteners every 6”.

System Type C(1): All layers of insulation simultaneously attached to deck; membranes are then adhered to insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

| | | |
|------------------------------|---|--|
| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|

| | | |
|---------------------------------------|-----|-----|
| H-Shield Minimum 1.5” thick | N/A | N/A |
|---------------------------------------|-----|-----|

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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.

| | | |
|-----------------------------|---|--|
| Top Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|-----------------------------|---|--|

| | | |
|---|-------|---------------------|
| Fiber Base HD Minimum .5” thick | 1 & 3 | 1:3 ft ² |
|---|-------|---------------------|

Note: 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

Anchor Sheet N/A.

Ply Sheet: Install 3 full plies of S.R. SuperiorPly Ultra adhered with SuperiorFlex Seal Plus applied at 2-2½ gallons/ 100 ft² to the top insulation layer.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -45 psf (See General Limitation #7)



Deck Type II: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5" wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 3/8" puddle welds at every 1.5" wide rib. Steel deck laps fastened with #12- 1" Tek-1 self drilling fasteners every 6".

System Type C(2): Base layer of insulation partially adhered then top layer simultaneously mechanically fastens top and base insulation layers to deck; membranes are then adhered to insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|
|------------------------------|---|--|

H-Shield

Minimum 1.5" thick

N/A

N/A

Note: Base Insulation shall be partially adhered to the steel deck. Apply beads of SuperiorFlex Seal Max, 1" wide, spaced 6" at every rib of corrugated steel B-deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment; see top layer below for fasteners and density. 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.

| Top Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|-----------------------------|---|--|
|-----------------------------|---|--|

SECUROCK Gypsum-Fiber Roof Board

Minimum .5" thick

2 & 3

1:29 ft²

Note: 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

Anchor Sheet: N/A.

Ply Sheet: Install 3 full plies of S.R. SuperiorPly adhered with SuperiorFlex Seal Max applied at 2-2½ gallons/ 100 ft² to the top insulation layer.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

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



Deck Type 1I: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5" wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8" puddle welds at every 1.5" wide rib. Steel deck laps fastened with #12- 1" Tek-1 self drilling fasteners every 6".

System Type C(3): Base and top layers of insulation partially adhered then top layer simultaneously mechanically fastens top and base insulation layers to deck; membranes are then adhered to insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Layer Insulation

**Insulation Fasteners
(Table 3)**

**Fastener
Density/ft²**

AC Foam II

Minimum 1.5" thick

N/A

N/A

Note: Base Insulation shall be partially adhered to the steel deck. Apply beads of SuperiorFlex Seal Max, 1" wide, spaced 6" at every rib of corrugated steel B-deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment; see top layer below for fasteners and density. 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.

Top Layer Insulation

**Insulation Fasteners
(Table 3)**

**Fastener
Density/ft²**

SECUROCK Gypsum-Fiber Roof Board

Minimum .5" thick

1 & 3

1:29 ft²

Note: Top Insulation shall be partially adhered to the base insulation layer. Apply beads of SuperiorFlex Seal Max, 1" wide, spaced 6" o.c. to the base layer of insulation. Please refer to Roofing Application Standard RAS 117 for insulation attachment. 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

Anchor Sheet N/A.

Ply Sheet: Install 3 full plies of S.R. SuperiorPly adhered with SuperiorFlex Seal MG Plus applied at 2-2½ gallons/ 100 ft² to the top insulation layer.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure:

-75 psf (See General Limitation #9)



- Deck Type 1I:** Steel Decks, Insulated
- Deck Description:** 18-22 ga. 1.5” wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8” puddle welds at every 1.5” wide rib. Steel deck laps fastened with #12- 1” Tek-1 self drilling fasteners every 6”.
- System Type C(4):** Base and top layers of insulation partially adhered then top layer simultaneously mechanically fastens top and base insulation layers to deck; membranes are then adhered to insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|
| ACFoam II | | |
| Minimum 1.5” thick | N/A | N/A |

Note: Base Insulation shall be partially adhered to the steel deck. Apply beads of S.R. Insulation Adhesive, 1” wide, spaced 6” at every rib of corrugated steel B-deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment; see top layer below for fasteners and density. 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.

| Top Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|-----------------------------|---|--|
| Fiber Base HD | | |
| Minimum .5” thick | 2 & 3 | 1:29 ft ² |

Note: Top Insulation shall be partially adhered to the base insulation layer. Apply beads of S.R. Insulation Adhesive, 1” wide, spaced 6” o.c. to the base layer of insulation. Please refer to Roofing Application Standard RAS 117 for insulation attachment. 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

- Anchor Sheet N/A.
- Ply Sheet: Install 3 full plies of S.R. SuperiorPly adhered with SuperiorFlex Seal Max applied at 2-2½ gallons/ 100 ft² to the top insulation layer.
- Cap Sheet: N/A
- Surfacing: (Required) Install one of the following:
 1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
 2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
 3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
 4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
 5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
 6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -105 psf (See General Limitation #9)



Deck Type 2I: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5" wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8" puddle welds at every 1.5" wide rib. Steel deck laps fastened with #12- 1" Tek-1 self drilling fasteners every 6".

System Type D(1): Insulation partially adhered to deck; anchor sheet membrane is to be partially adhered to insulation and mechanically fastened through insulation to deck.

All General and System Limitations apply.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|
|------------------------------|---|--|

ACFoam II

Minimum 1.5" thick

N/A

N/A

Note: Insulation shall be adhered to the steel deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Apply beads of SuperiorFlex Seal Max, 1" wide, spaced 6" at every rib of corrugated steel B-deck.

Anchor Sheet Install S.R. SuperiorPly Ultra over the adhered insulation boards using SuperiorFlex Seal Max in 1" wide beads , spaced 6" and simultaneously fasten to steel deck with screws and plates as described below:

Fasteners: OMG Heavy Duty fasteners and OMG 3" Galvalume Steel Plates at 18" o.c. at the 3" lap and in one row at 18" o.c. in the center of the anchor sheet.

Ply Sheet: Install 2 full plies of S.R. SuperiorPly adhered with SuperiorFlex Seal MG Plus applied at 2-2½ gallons/ 100 ft² to the anchor sheet.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -52.5 psf (See General Limitation #9)



Deck Type 2I: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5" wide rib type BW36SS Grade 40 steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8" puddle welds at every 1.5" wide rib. Steel deck laps fastened with #12- 3/4" Tek-1 self drilling fasteners every 6".

System Type D(2): Insulation preliminarily attached to deck: anchor sheet membrane is mechanically fastened through insulation to deck.

All General and System Limitations apply.

One or more layers of any of the following insulations.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|
|------------------------------|---|--|

H-Shield

Minimum 1.5" thick

N/A

N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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.

Anchor Sheet S.R. SuperiorPly Ultra as base sheet fastened through the insulation boards to the metal deck as described below:

Fasteners: OMG Heavy Duty fasteners and OMG 3" Galvalume Steel Plates at 7.5" o.c. at the 3" lap and in two staggered rows at 7.5" o.c. in the center of the anchor sheet.

Ply Sheet: Install 3 full plies of S.R. SuperiorPly Ultra adhered with SuperiorFlex Seal MG Plus applied at 2-2½ gallons/ 100 ft² to the anchor sheet.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -67.5 psf (See General Limitation #7)



Deck Type 2I: Steel Decks, Insulated

Deck Description: 18-22 ga. 1.5" wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. welded with weld washers and 5/8" puddle welds at every 1.5" wide rib. Steel deck laps fastened with #12- 3/4" Tek-1 self drilling fasteners every 6".

System Type D(3): Insulation partially adhered to deck; anchor sheet membrane is to be partially adhered to insulation and mechanically fastened through insulation to deck.

All General and System Limitations apply.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|------------------------------|---|--|
|------------------------------|---|--|

ACFoam II

Minimum 1.5" thick

N/A

N/A

Note: Insulation shall be adhered to the steel deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Apply beads of SuperiorFlex Seal Max, 1" wide, spaced 6" at every rib of corrugated steel B-deck.

Anchor Sheet Install S.R. SuperiorPly Ultra over the adhered insulation boards using S.R. Insulation Adhesive in 1" wide beads , spaced 6" and simultaneously fasten to steel deck with screws and plates as described below:

Fasteners: OMG Heavy Duty fasteners and OMG 3" Galvalume Steel Plates at 18" o.c. at the 3" lap and in one row at 18" o.c. in the center of the anchor sheet.

Ply Sheet: Install 2 full plies of S.R. SuperiorPly Ultra adhered with SuperiorFlex Seal Max applied at 2-2½ gallons/ 100 ft² to the anchor sheet.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -82.5 psf (See General Limitation #9)



Deck Type 2I: Steel Decks, Insulated

Deck Description: 18-20 ga. 1.5" wide rib, B-deck, steel deck secured to structural steel supports spaced a maximum of 5 ft o.c. #12- 1" Tek-1 self drilling fasteners at every 1.5" wide rib. Steel deck laps fastened with #12- 1" Tek-1 self drilling fasteners every 6".

System Type D(4): Base layer of insulation partially adhered and top layer fully adhered; anchor sheet membrane is fully adhered to insulation and mechanically fastened through insulation to deck.

All General and System Limitations apply.

| Base Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|--|---|--|
| ACFoam II Minimum 1.5" thick | N/A | N/A |

Note: Base Insulation shall be partially adhered to the steel deck. Apply beads of S.R. Insulation Adhesive, 1" wide, spaced 6" at every rib of corrugated steel B-deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

| Top Layer Insulation | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|--|---|--|
| ACFoam II Minimum 1.5" thick | N/A | N/A |

Note: Top Insulation shall be fully adhered to the base insulation layer. Apply a full coating of S.R. Insulation Adhesive, at an application rate of 1-1½ gallons/ 100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Anchor Sheet S.R. SuperiorPly Ultra as base sheet fully adhered with SuperiorFlex Seal Max at an application rate of 2-2½ gallons/ 100 ft² and fastened through the insulation boards to the metal deck as described below:

Fasteners: OMG Heavy Duty fasteners and OMG 3" Galvalume Steel Plates at 16" o.c. at the 3" lap and in two staggered rows at 16" o.c. in the center of the anchor sheet.

Ply Sheet: Install 2 full plies of S.R. SuperiorPly Ultra adhered with SuperiorFlex Seal Max applied at 2-2½ gallons/ 100 ft² to the anchor sheet.

Cap Sheet: N/A

Surfacing: (Required) Install one of the following:

1. Apply a top coat of SuperiorFlex Seal Max at a rate of 2-2½ gal./100ft².
2. Apply a top coat of SuperiorFlex Seal MG Plus at a rate of 6-6½ gal./100 ft².
3. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft².
4. 400 lb./100 ft² gravel in a flood coat of SuperiorFlex Seal Plus applied at a rate of 5-6 gallons/100 ft² to the ply sheets
5. A flood coat of SuperiorFlex Seal Max at an application rate of 5gal./100 ft² and allowed to cure; followed by a Miami-Dade approved Aluminum Roof Coating applied as specified in the NOA approval.
6. Wite Brite Elastomeric Coating apply Base Coat at a rate of 1.5 to 2 gal/100 ft² and Finish Coat at a rate of 1.5 to 2 gal/100 ft².

Maximum Design Pressure: -97.5 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 Engineer, Architect, or Registered Roof Consultant.
2. For steel deck application where the specific deck construction is not referenced, the deck shall be a minimum of 22 Ga attached with 5/8" puddle welds at each 1.5" wide rib and side laps attached with Tek-1 screws #12-1" spaced 6" on center and maximum deck spans of 5'-0" on center.

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 sidelap 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 Engineer, 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 with 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 9N-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 12-1029.04
Expiration Date: 04/10/14
Approval Date: 03/28/13
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