



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Carlisle SynTec, Inc.  
1285 Ritner Highway  
Carlisle, PA 17013**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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.

**DESCRIPTION: Carlisle Single Ply EPDM Roof Systems over Gypsum 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 and revises NOA No. 04-0322.06 and consists of pages 1 through 12.

The submitted documentation was reviewed by Jorge L. Acebo



**NOA No.: 06-0403.02  
Expiration Date: 06/28/11  
Approval Date: 06/29/06  
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## ROOFING SYSTEM APPROVAL

Category: Roofing  
Sub-Category: Single Ply  
Material: EPDM  
Deck Type: Poured Gypsum  
Maximum Design Pressure -45 psf  
Fire Classification: See General Limitation #1

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Sure-Seal EPDM	various	ASTM D 4637	Non-reinforced EPDM membrane.
Sure-Seal FR EPDM	various	ASTM D 4637	Non-reinforced, fire retardant EPDM membrane.
Sure Seal FR-Plus EPDM			
Sure-Seal Reinforced EPDM	various	ASTM D 4637	Reinforced EPDM membrane.
Sure-Seal Sure-Tough			
Sure-Seal Reinforced FR EPDM	various	ASTM D 4637	Reinforced, fire retardant EPDM membrane.
Sure-Seal Fleece BACK	various	ASTM D 4637	EPDM membrane with fleece backing..
Sure Seal Fleece BACK AFX			
Sure Seal Fleece BACK AFX-Plus			
Sure-White EPDM	various	ASTM D 4637	Non-reinforced white on black EPDM membrane.
Sure-White Fleece BACK EPDM	Various	ASTM D4637	Non-reinforced white on black fleece backed EPDM membrane.
RUSS	various	ASTM D 4637	Reinforced securement strip.
CCW 702 Primer	various	TAS 110	Solvent-Based Primer
CCW 702LT Primer	various	TAS 110	Low-Temperature Solvent-Based Primer
CCW 714 Primer	various	TAS 110	Water-Based Primer
CCW 725 Vapor Barrier	various	TAS 110	Vapor Barrier
Fast 100 Adhesive	various	TAS 110	Spray Polyurethane Adhesive
Fast 100-LV Adhesive			
Fast 100-P Adhesive			
Fast 102 Adhesive			
OlyBond 500 BA			
Sure-White Lap Sealant		TAS 110	Lap Sealant for Sure-White/Sure-Seal membranes.
Sure-Seal Lap Sealant			
Sure-White Splicing Cement		TAS 110	Splicing Adhesive for Sure-White membranes.
Sure Seal EP-95 Splicing Cement			
SecureTape		TAS 110	Tape Adhesive for EPDM membranes.



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Sure-Seal 90-8-30A Bonding Adhesive	TAS 110	Solvent-based bonding adhesive.
Sure-Seal B-500 Bonding Adhesive	TAS 110	Water-based bonding adhesive.
Aqua Base 120 Bonding Adhesive	TAS 110	Water-based Bonding adhesive.
Cold Applied Adhesive	TAS 110	Asphalt-modified polyether adhesive.

**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
ACFoam Composite	Isocyanurate Insulation with perlite facer	Atlas Roofing Corp.
ACFoam II, III	Isocyanurate Insulation	Atlas Roofing Corp.
Polyisocyanurate HP, HP-N, HP-H, HP-W	Polyisocyanurate roof insulation.	Carlisle SynTec, Inc.
Sure-Seal HP Recovery Board	High Density Wood Fiberboard.	Carlisle SynTec, Inc.
EPS/Fiberboard	High Density Wood Fiberboard bonded to EPS.	Carlisle SynTec, Inc.
EPS Insulation	Expanded Polystyrene.	Carlisle SynTec, Inc.
Hytherm, Hytherm AP	Isocyanurate Insulation	Dow Chemical
Styrofoam	Extruded Polystyrene.	Dow Chemical
ISO 95+ GL, 95+ GW	Polyisocyanurate foam insulation	Firestone
Dens Deck, Dens Deck Prime	Silicon treated gypsum	G-P Products
Sturdi-Top	Wood fiber insulation board.	G-P Products
High Density Wood Fiberboard	High Density Wood Fiber insulation board.	Generic
Perlite Insulation Board	Perlite Insulation	Generic
Type X Gypsum, Gypsum	Gypsum Wallboard	Generic
EPS or XPS Insulation	Expanded or Extruded Polystyrene.	Generic
Ultra/M-II	Isocyanurate Insulation	Homasote Co.
H-Shield	Isocyanurate Insulation	Hunter Panels
ENERGY 2, ENERGY 3, PSI-25	Isocyanurate Insulation	Johns Manville
Foamular, Thermapink, Durapink	Extruded Polystyrene.	Owens Corning
Strataguard	Gypsum Wallboard	Owens Corning
Green Guard	Extruded Polystyrene insulation	Pactiv



**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
Multi-Max, FA	Polyisocyanurate foam insulation	Rmax, Inc.
Fiber Base	Asphalt coated wood fiber insulation	Temple Inland Forest Products Corp.
Structodeck	High Density Wood Fiber insulation board.	Wood Fiber Industries

**APPROVED FASTENERS:**

**TABLE 3**

<b>Fastener Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Dimensions</b>	<b>Manufacturer (With Current NOA)</b>
1.	Sure-Seal HP Lightweight	Fastener for cementitious and gypsum decks	Various	Carlisle SynTec, Inc.
2.	Sure-Seal HP Lightweight	Metal plates used for membrane securement.	3" dia	Carlisle SynTec, Inc.
3.	Sure-Seal HP Lightweight Insulation Plate	Metal plates used for insulation attachment.	3" dia	Carlisle SynTec, Inc.
4.	Sure-Seal HP Plates	Metal plates used for membrane securement	2" dia	Carlisle SynTec, Inc.
5.	Sure-Seal Polymer Seam Plates	Plastic plates used for membrane securement.	2" dia	Carlisle SynTec, Inc.
6.	Lite-Deck Fasteners	Fastener for cementitious and gypsum decks	Various	Olympic Mfg. Group
7.	NTB Magnum	Fastener for cementitious and gypsum decks	Various	Olympic Mfg. Group
8.	GTL Fastener	Fastener for cementitious and gypsum decks with a 3" round head plate.	Various	Olympic Mfg. Group
9.	Strap Toggle	Toggle Bolt Fastener.	Various	Olympic Mfg. Group
10.	Iron-Lok Toggle	Toggle Bolt Fastener.	Various	Olympic Mfg. Group
11.	Lite-Deck Plate	Galvalume AZ55 stress plate	3" round	Olympic Mfg. Group
12.	NTB Plate	Galvalume AZ55 stress plate	3" round	Olympic Mfg. Group
13.	NTB Metal Barbed Stress Plate	Galvalume AZ55 stress plate	2" round	Olympic Mfg. Group
14.	NTB Plastic Plate	Plastic plates for NTB 2" head fasteners.	3" round	Olympic Mfg. Group
15.	Olympic Standard	Galvalume AZ55 stress plate	3" round	Olympic Mfg. Group



**APPROVED FASTENERS:**

Fastener Number	Product Name	TABLE 3		
		Product Description	Dimensions	Manufacturer (With Current NOA)
16.	Olympic G-2	Galvalume AZ55 stress plate	3.5" round	Olympic Mfg. Group
17.	Olympic	Plastic plates for fasteners.	3" round	Olympic Mfg. Group
18.	Powerlite	Fastener for cementitious and gypsum decks	Various	Powers Fasteners Inc.
19.	Powerlite	Galvalume AZ55 stress plate	3" round	Powers Fasteners Inc.

**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Architectural Testing Inc.	ATI-17214	Wind Uplift Classification	03/20/96
	ATI-17601-01	Wind Uplift Classification	06/29/96
	ATI-17601-02	Wind Uplift Classification	07/30/96
	ATI-18535	Wind Uplift Classification	10/14/96
Factory Mutual Research Corp	J.I.1B7A5.AM	Wind Uplift and Fire Classification	02/23/98
	1998 Approval Guide Building Materials	Wind Uplift and Fire Classifications	01/01/98
	J.I. 2Z3A9.AM	Wind Uplift and Fire Classification	07/30/97
	J.I. 4B2A1.AM	Wind Uplift Classification	06/11/97
	J.I.3B8Q4.AM	Wind Uplift Classification	06/04/97
	J.I. 0B4A7.AM	Wind Uplift Classification	05/29/97
	J.I. 2B2A1.AM	Wind Uplift Classification	05/29/97
	J.I. 2Z2A8.AM	Seam Test	05/16/97
	J.I. 3B5A1.AM	Wind Uplift and Fire Classification	04/28/97
	3009502	Class 4470	12/21/00
	3024994	Class 4450	02/28/06
	3013584	Class 4470	06/27/03
	3019897	Class 4470	10/07/05
3022187	Class 4470	09/15/05	
3022181	Class 4470	09/01/05	
3014692	Class 4470	08/05/03	
Underwriters Laboratories, Inc.	96NK21757	Fire Classification	09/06/96
	96NK10924	Fire Classification	10/31/96
	96NK28871	Fire Classification	11/06/96
	96NK33323	Fire Classification	10/24/97
	1998Roofing Materials & Systems Directory	R8103 Fire Classification	01/01/98
	02NK46936	UL 790	12/15/03



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**APPROVED ASSEMBLIES**

- Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced, Nonreinforced, FleeceBACKED
- Deck Type 6I:** Poured Gypsum, Insulated
- Deck Description:** Poured Gypsum Concrete
- System Type A:** One or more layers of insulation adhered with approved asphalt or FAST or OlyBond 500 BA Adhesive. Membrane fully adhered.

**All General and System Limitations apply.**

**Note: All layers shall be adhered to the deck in OlyBond 500 BA or FAST Adhesive at minimum rate 1 gal/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

<b>Base or Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Polyisocyanurate HP, HP-H, HP-N, HP-W Minimum 1.4" thick</b>	N/A	N/A
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>HP Recovery Minimum 1/2" thick</b>	N/A	N/A
<b>Dens Deck, Dens Deck Prime Minimum 1/4" thick</b>	N/A	N/A

- Vapor Retarder:** None.
- Barrier:** None.
- Membrane:** Sure-Seal or Sure-White 45 to 90 mil membranes fully adhered to the insulation using 90-8-30A applied to the substrate at a rate of 1 gal/60 ft.<sup>2</sup>, or B-500 applied to the substrate at 1 gal./sq.  
Or  
Sure-Seal or Sure-White FleeceBACK 100 or 115 mil membrane fully adhered to the insulation using FAST Adhesive applied to the substrate at a rate of 1 gal./sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft<sup>2</sup>.  
Or  
Sure-Seal FleeceBACK AFX or AFX Plus membrane fully adhered to the insulation in full mopping of asphalt at rate of 20-40 lbs/sq or Cold Applied Adhesive applied to the substrate at a rate of 1 gal/67 ft<sup>2</sup>.
- Surfacing:** (Optional) A two-part surfacing consisting of EM-8 Hypalon applied at the rate of 1 gal./150 ft<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Sure-Seal Acrylic Coating at a rate 1.5 gal/sq. per coat.
- Maximum Design Pressure:** -45 psf (See General Limitation #9)



**Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced, Nonreinforced, FleeceBACKED

**Deck Type 6I:** Poured Gypsum, Insulated

**Deck Description:** Poured Gypsum Concrete

**System Type C:** All layers of insulation simultaneously fastened; membrane fully adhered.

**All General and System Limitations apply.**

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Extruded or Expanded Polystyrene Minimum 1" thick</b>	N/A	N/A
<b>Perlite Minimum ¾" thick</b>	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.**

<b>Base or Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Ultra/M-II Iso/glas, Multi-Max FA Minimum 1.2" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft <sup>2</sup>
<b>AC FOAM II, AC FOAM III, ACFoam Composite, Rhoflex Composite, Fesco Foam, Polyisocyanurate HP-W Minimum 1.5" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft. <sup>2</sup>
<b>ENRGY-2, ENRGY-3, PSI-25, Hytherm AP, H-Shield, Polyisocyanurate HP, HP-H, HP-N Minimum 1.4" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft <sup>2</sup>
<b>Minimum 2" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:4 ft <sup>2</sup>
<b>HP Recovery, Sturdi Top, Fiber Base, High Density Fiberboard Minimum ½" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft <sup>2</sup>
<b>Dens Deck, Dens Deck Prime, Strataguard Minimum ¼"thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft <sup>2</sup>
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Required over the insulations listed in Base Layer or optional over any of the insulations listed as Base or Top Layer: HP Recovery (for use over all insulation. types) Fiber Base (for use over polyisocyanurate, gypsum or perlite) Minimum ½" thick</b>	1, 5, 6, 7, 8, 9 or 17	1:2 ft <sup>2</sup>



**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. Top layers of insulation can be attached to base layer with OlyBond 500 BA or FAST Adhesive at minimum rate 1 gal/sq.**

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Barrier: None.

Membrane: Sure-Seal or Sure-White 45 to 90 mil membranes fully adhered to the insulation using 90-8-30A applied to the substrate at a rate of 1 gal/60 ft.<sup>2</sup>, or B-500 applied to the substrate at 1 gal./sq.

Or

Sure-Seal or Sure-White FleeceBACK 100 or 115 mil membrane fully adhered to the insulation using FAST Adhesive applied to the substrate at a rate of 1 gal./sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft.<sup>2</sup>.

Or

Sure-Seal FleeceBACK AFX or AFX Plus membrane fully adhered to the insulation in full mopping of asphalt at rate of 20-40 lbs/sq or Cold Applied Adhesive applied to the substrate at a rate of 1 gal/67 ft.<sup>2</sup>.

Surfacing: (Optional) A two-part surfacing consisting of EM-8 Hypalon applied at the rate of 1 gal./150 ft.<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Sure-Seal Acrylic Coating at a rate 1.5 gal/sq. per coat.

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



**Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced  
**Deck Type 6I:** Poured Gypsum, Insulated  
**Deck Description:** Poured Gypsum Concrete  
**System Type D:** Membrane mechanically attached over preliminary fastened insulation.

**All General and System Limitations apply.**

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Extruded or Expanded Polystyrene, Energy-Lok, ACFoam-II, ACFoam-III Minimum 1" thick</b>	N/A	N/A
<b>Perlite Minimum ¾" thick</b>	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.**

<b>Base or Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ISO 95+ HF, Rhoflex HF, Multi-Max FA, Ultra/M-II Iso/glas, Hytherm AP, Polyisocyanurate HP, AC FOAM II, AC FOAM III, ACFoam Composite, Rhoflex Composite, Fesco Foam, Polyisocyanurate HP-W, ENRGY-2, ENRGY-3, PSI-25, H-Shield, Polyisocyanurate HP-H, HP-N, ISO 95+GL, GW, Rhoflex GL, GW Minimum 1" thick</b>	N/A	N/A
<b>UltraGard Gold, Isolite E Minimum 1.3" thick</b>	N/A	N/A
<b>HP Recovery, Structodeck, Fiber Base, High Density Fiberboard Minimum ½" thick</b>	N/A	N/A
<b>Dens Deck, Dens Deck Prime, Strataguard Minimum ¼"thick</b>	N/A	N/A

<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Required over the insulations listed in Base Layer or optional over any of the insulations listed as Base or Top Layer: HP Recovery (for use over all insulation. types) Fiber Base (for use over polyisocyanurate, gypsum or perlite) Minimum ½" thick</b>	N/A	N/A

**Note: All layers of insulation require preliminary attachment with approved insulation fasteners at minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.**



Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Barrier: None.

Membrane: Sure-Seal Reinforced, FR Reinforced or Sure-Tough secured through the preliminary attached insulation as specified below:

Fastening: Sure-Seal HP Fasteners with metal or Polymer plates 6" o.c. through the reinforced membrane in the lap or through a RUSS strip in rows spaced maximum 9'6" o.c.

Surfacing: (Optional) A two-part surfacing consisting of EM-8 Hypalon applied at the rate of 1 gal./150 ft<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Sure-Seal Acrylic Coating at a rate 1.5 gal/sq. per coat.

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



**Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced

**Deck Type 6:** Poured Gypsum, Non-insulated

**Deck Description:** Poured Gypsum Concrete

**System Type E:** Membrane mechanically attached to deck.

**All General and System Limitations apply.**

**Barrier:** None.

**Membrane:** Sure-Seal Reinforced, FR Reinforced or Sure-Tough secured through the gypsum to a minimum 22 gauge steel deck as specified below:

**Fastening:** Sure-Seal HP Fasteners with metal or Polymer plates 6" o.c. through the reinforced membrane in the lap or through a RUSS strip in rows spaced maximum 9'6" o.c.

**Surfacing:** (Optional) A two-part surfacing consisting of EM-8 Hypalon applied at the rate of 1 gal./150 ft<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Sure-Seal Acrylic Coating at a rate 1.5 gal/sq. per coat.

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



## 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 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 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 9B-72 of the Florida Administrative Code.

**END OF THIS ACCEPTANCE**



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