



**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)

**Johns Manville Corporation
717 17th Street
Denver, CO 80202**

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 and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Johns Manville Modified Bitumen Roofing Systems Over Cementitious Wood Fiber 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 revises NOA No. 07-0228.09 and consists of pages 1 through 12.
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No: 09-0902.07
Expiration Date: 07/19/11
Approval Date: 05/12/10
Page 1 of 12**

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Material: SBS
Deck Type: Cementitious Wood Fiber
Maximum Design Pressure -82.5 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>
DynaBase	54'-10" x 36"; roll weight: 88 lbs.	ASTM D 6163 Type I Grade S	An SBS modified bitumen coated, fiber glass reinforced base sheet.
DynaWeld Base	39'-3/8" x 32'-10"; roll weight: 90 lbs	ASTM D 6163 Type I Grade S	An SBS modified bitumen coated, fiberglass reinforced base sheet for heat welded applications.
DynaFlex	3 x 25	ASTM D 6163 Type I Grade S	A flexible polyester/glass scrim reinforced, granular-surfaced flashing sheet.
DynaGlas	39'-3/8" x 32'-10"; roll weight: 100 lbs.	ASTM D 6163 Type I Grade G	An SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaWeld Cap FR	39'-3/8" x 32'-10" roll weight: 110 lbs.	ASTM D 6163 Type I Grade G	A fire resistant SBS modified bitumen membrane surfaced with granules for heat weld applications.
DynaGlas 30 FR	39'-3/8" x 32'-10"; roll weight: 90 lbs.	ASTM D 6163 Type I Grade G	A fire resistant SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaGlas FR	39'-3/8" x 32'-10"; roll weight: 101 lbs.	ASTM D 6163 Type I Grade G	A fire resistant SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaKap	39'-3/8" x 32'-10"; roll weight: 115 lbs.	ASTM D 6162 Type II Grade G	A fiberglass/polyester reinforced SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaKap FR	39'-3/8" x 32'-10"; roll weight: 115 lbs.	ASTM D 6162 Type II Grade G	A fire resistant, fiberglass/ polyester reinforced SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaLastic 180	39'-3/8" x 32'-10"; roll weight: 101 lbs.	ASTM D 6164 Type I Grade G	A 180 gram polyester mat reinforced SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaLastic 180 FR	39'-3/8" x 32'-10"; roll weight: 101 lbs.	ASTM D 6164 Type I Grade S	A 180 gram polyester mat reinforced, granular-surfaced, modified bitumen cap sheet for use in fire-rated systems.



NOA No: 09-0902.07
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 Page 2 of 12

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
DynaLastic 180S	37" x 36'-9" roll weight: 90 lbs.	ASTM D 6164 Type I Grade S	A 180 gram polyester mat reinforced, modified bitumen cap sheet for use in fire-rated systems.
DynaPly	39-3/8" x 32'-10"; roll weight: 90 lbs.	ASTM D 6162 Type II Grade S	A polyester reinforced SBS modified bitumen ply sheet for use in conventional and modified bitumen built-up roof systems.
DynaLastic 250	39-3/8" x 32'-10"; roll weight: 114 lbs.	ASTM D 6164 Type II Grade G	A 250 gram polyester mat reinforced, granular-surfaced, modified bitumen cap sheet.
DynaLastic 250 FR	39-3/8" x 32'-10"; roll weight: 115 lbs.	ASTM D 6164 Type II Grade G	A 250 gram polyester mat reinforced, granular-surfaced, modified bitumen cap sheet for use in fire-rated systems.
DynaLastic 250 S	39-3/8" x 32'-10"; roll weight: 90 lbs	ASTM D 6164 Type II Grade S	A 250 gram polyester reinforced, SBS modified bitumen Base/Ply sheet for use as a base or ply sheet only .
DynaMax	39-3/8" x 32'-10"; roll weight: 99 lbs.	ASTM D 6162 Type III Grade G	A fiberglass/polyester reinforced SBS modified bitumen membrane surfaced with granules for application in hot asphalt or heat weld.
DynaMax FR	39-3/8" x 32'-10"; roll weight: 116 lbs.	ASTM D 6162 Type III Grade G	A fire resistant, fiberglass/ polyester reinforced SBS modified bitumen membrane surfaced with granules for application in hot asphalt.
DynaClad	39-3/8" x 33'-6"; roll weight: 101 lbs.	ASTM D 6298	A foil faced, glass reinforced, SBS modified membrane for application in hot asphalt.
DynaBase XT	39-3/8" x 49'-2"	ASTM D 6163 Type II Grade S	A heavyweight glass reinforced SBS Base/Ply sheet.
DynaGlas FR XT	39-3/8" x 32'-10";	ASTM D 6163 Type II Grade S	A heavyweight glass reinforced granular surfaced SBS Cap sheet.
GlasKap	36" x 36'; roll weight: 72 lbs	ASTM D 3909	A mineral surfaced, asphalt coated, fiberglass cap sheet.
GlasKap CR	36" x 36'; roll weight: 72 lbs	ASTM D 3909	A white mineral surfaced, white acrylic coated, fiberglass cap sheet.
Ventsulation Felt	36" x 36'	ASTM D 4897 Type II	Heavy duty fiber glass base sheet impregnated and coated on both sides with asphalt with or without fine mineral stabilizer. Surfaced on the bottom side with coarse mineral granules embedded in asphaltic coating.
GlasBase Plus	36" x 108'; roll weight: 84 lbs.	ASTM D 4601	Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing.
GlasPly IV	36" x 200'	ASTM D 2178 Type IV	Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing.

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GlasPly Premier	36" x 180'	ASTM D 2178 Type VI	Type VI asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing.
PermaPly No. 28	36" x 108'; roll weight: 72 lbs.	ASTM D 4601 Type II	Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing.
FesCant Plus Cant Strips, and Taper Edge	Various	ASTM C 728	Factory pre-fabricated cant strips and taper edge, manufactured from expanded perlite insulation.
MBR Flashing Cement Base and Activator	N/A	Proprietary	A two component elastomeric, cold application adhesive, consisting of a modified proprietary compound with an asphalt base.
MBR Utility Cement	N/A	ASTM D 4586	General purpose trowel grade, cutback bitumen cement mixture including inorganic fibers and mineral stabilizers.
MBR Bonding Cement and Activator	N/A	Proprietary	A two component, elastomeric, cold application adhesive.
Bestile Industrial Roof Cement	Various	ASTM D 4586, type I	A trowel grade, cutback bitumen flashing grade cement mixture including inorganic fibers and mineral stabilizers.
Flex-I-Drain	Various	BOCA 76-61 SBCCI 89204 UBC 3236	Two piece flexible drain system composed of a Noryl deck flange, a flexible neoprene bellows and no hub connection. Available in various sizes and styles for most retro-fit applications.
PC/PET RetroDrain	Various	N/A	Engineered resin copolymer fabricated drain for retrofit applications.
USII RetroDrain	Various	N/A	One piece, aluminum fabricated drain for retrofit applications.
SuperDome RetroDrain	Various	N/A	Cast aluminum, heavy-duty drain for retrofit applications.
FP-10 Vents	10" deck flange, base diameter of 4" and a height of 6"	N/A	One-way roof vent, designed for use in various roof systems, for the release of pressure created by gases or moisture vapor trapped within the roofing system.
Expand-O-Guard	various	N/A	Elastomeric expansion joint cover for vertical expansion and seismic joints. Manufactured from non-reinforced, form-supported elastomeric bellows with a bifurcated waterproof attachment to metal flanges.
Expand-O-Flash	various	N/A	Expansion joint covers manufactured from non-reinforced, form-supported elastomeric bellows with a bifurcated waterproof attachment to metal flanges.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Presto-Lok Fascia and Flashing System	various	TAS 114	A multi-piece fascia and flashing system for built-up and modified bitumen roofing systems manufactured from aluminum or steel.
DynaTred & DynaTred Plus Roof Walkway	various	N/A	Preformed, skid-resistant boards.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ENERGY 3, PSI-25	Polyisocyanurate Insulation.	Johns Manville
ENRGY 3 Plus	Polyisocyanurate insulation laminated to wood fiber.	Johns Manville
Fesco Foam, DuraFoam	Polyisocyanurate Insulation with perlite facer	Johns Manville
Retro-Fit Board, DuraBoard	High-density perlite roof insulation.	Johns Manville
Fesco Board	Rigid perlite roof insulation board.	Johns Manville
Invinsa Roof Board	High density polyisocyanurate board	Johns Manville
ACFoam Composite	Polyisocyanurate Insulation with perlite facer	Atlas Roofing Corp.
ACFoam II	Polyisocyanurate Insulation	Atlas Roofing Corp.
Styrofoam	Extruded polystyrene insulation	Dow
DensDeck	Silicon treated gypsum	G-P Products
SECUROCK™ Roof Board	Rigid, gypsum-based board stock	USG Corp.
Sturdi-Top	Wood fiber insulation board.	G-P Products
Wood Fiberboard	Regular wood fiber insulation	Generic
High Density Wood Fiberboard	High Density Wood Fiber insulation board.	Generic
Perlite Insulation Board	Perlite Insulation	Generic
Type X Gypsum	Gypsum Wallboard	Generic
XPS	Extruded polystyrene	Generic
Structodeck	High Density Wood Fiber insulation board.	Masonite
Fiber Base	Asphalt coated wood fiber insulation	Temple Inland Forest Products Corp.



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Polymer Gyptec	Glass reinforced nylon gypsum & CWF decks fastener	Various	ITW Buildex (with current PCA)
2.	Polymer Gyptec Metal Plate	Square galvalume AZ55 steel plate	3" square	ITW Buildex (with current PCA)
3.	NTB Magnum	Glass reinforced Nylon insulation fastener for gypsum & CWF decks.	Various	Johns Manville
4.	NTB Plastic plate	Polypropylene plastic plate	3" round	Johns Manville
5.	NTB Plate	Round galvalume AZ55 steel plate	3" round	Johns Manville
6.	Powerlite Fastener	Glass reinforced Zytel Nylon insulation fastener for gypsum & CWF decks.	Various	Powers Fasteners, Inc.
7.	Powerlite Plate	Round galvalume AZ55 steel plate	3" round	Powers Fasteners, Inc.
8.	Twin Loc-Nail	Base sheet fastener with integrated Plate.	2.7" dia. plate	ES Products, Inc.
9.	Ultralok	Base sheet fastener with integral plate	2.7" dia. Plate	OMG



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research	J.I. # 3001482	FM Class 4470	08/11/98
	J.I. # 3001629	FM Class 4470	09/10/98
	J.I. # 0Z8A9.AM		
	J.I. # 3D4A4.AM	FM Class 4470	09/28/98
	J.I. # 3000949		
	3001457	FM Class 4470	04/04/02
	3014090	FM Class 4470	09/05/02
	3012974	FM Class 4450	06/03/02
	3011248	FM Class 4470	11/01/02
	3009499	FM Class 4470	04/04/01
	3037222	FM Class 4470	10/02/09
	3026130	FM Class 4470	04/26/09
	Dynatech Engineering, Inc.	4360.03.95-1	TAS 114
4360.03.95-2			
4361.5.95-1		TAS 114	5/95
Underwriters Laboratories, Exterior Research & Design, LLC	R-10167 (N)	Fire Classification Listing	01/01/95
	#4361-2.04.97-1	TAS 114	04/28/97
	#10390A-10.97-1	TAS 114	10/00/97
	#10390A-12.97-1		12/00/97
	10391.01.03	TAS 114	01/29/03
	00257.03.05-1	ASTM D 6162/63/64 ASTM D6298	03/17/05
Trinity ERD	02843.02.07	TAS 114	02/07/07
	J7670.06.08	ASTM D3909	06/16/08
	J6990.12.07-R1	ASTM D6162/D6164	03/24/10
	J17040.11.09-R1	ASTM D6164	03/11/10
Independent Roof Testing & Consulting, Inc.	IRT99001.1.20.99	TAS 114	01/20/99
	IRT99002.1.20.99		
	IRT99003.1.20.99		
IRT-Arcon, Inc.	02-026	TAS 114	07/26/02
	02-011		02/07/02



APPROVED ASSEMBLIES

- Membrane Type:** SBS
- Deck Type 5I:** Cementitious Wood Fiber, Insulated
- Deck Description:** Cementitious wood fiber
- System Type A(1):** Anchor sheet mechanically fastened; all layers of insulation fully adhered with approved asphalt.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ENRGY 3 Minimum 1.3" thick	N/A	N/A
Fesco Foam, DuraFoam Minimum 1.5" thick	N/A	N/A
Fesco Board, DuraBoard Minimum ¾" thick	N/A	N/A
Retro-Fit Board Minimum ½" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAs 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

- Anchor Sheet:** One ply of PermaPly 28, DynaBase, DynaBase XT, GlasBase Plus or Ventsulation fastened to the deck as described below:
- Fastening:** Attach base sheet with ES Products 1.8" Twin Loc-Nail or Ultralok fasteners spaced 9" o.c. at the 3" side lap and two rows staggered 12" o.c. in the field.
- Base Sheet:** (Optional) One ply of PermaPly 28, DynaBase, DynaBase XT or GlasBase Plus adhered to the insulated substrate in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Ply Sheet:** One or more plies of GlasBase Plus, GlasPly Premier, GlasPly IV, DynaLastic 180 S, DynaBase, DynaLastic 250 S, DynaBase XT or DynaPly adhered to the base sheet with approved mopping of asphalt applied within the EVT range and at a rate of 20-40 lbs./sq



Membrane: One ply of DynaKap, DynaKap FR, DynaMax, DynaMax FR, DynaGlas, DynaGlas FR, DynaGlas 30 FR, DynaGlas 30 FR XT, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 S, DynaLastic 250, DynaLastic 250 FR or DynaPly adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Or
(Only with a modified Base or Ply sheet) GlasKap or GlasKap CR Adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Surfacing: (Optional) Install one of the following:

1. 2-3 gallons TopGard B emulsion/sq. or 2 gallons aluminum coating/sq. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.
2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

Maximum Design Pressure: -82.5 psf (See General Limitation #7).



Membrane Type: SBS
Deck Type 5I: Cementitious Wood Fiber, Insulated
Deck Description: Cementitious wood fiber
System Type A(2): Anchor sheet mechanically fastened; all layers of insulation fully adhered with approved asphalt. Roof membranes subsequently adhered.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ENRGY 3 Minimum 1.3" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAs 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Anchor Sheet: One ply of PermaPly 28, DynaBase, DynaBase XT, GlasBase Plus or Ventsulation fastened to the deck as described below:

Fastening: Attach base sheet with ES Products 1.8" Twin Loc-Nail or Ultralok fasteners spaced 9" o.c. at the 3" side lap and two rows staggered 12" o.c. in the field.

Base Sheet: (Optional) One ply of Ventsulation, PermaPly 28, DynaBase, DynaBase XT, GlasBase or GlasBase Plus adhered to the insulated substrate with MBR Bonding Adhesive at an application rate of 1.5 gal./sq.

Ply Sheet: One or more plies of GlasBase Plus, GlasPly Premier, GlasPly IV, DynaLastic 180 S, DynaBase, DynaLastic 250 S, DynaBase XT or DynaPly adhered to the base sheet with MBR Bonding Adhesive at an application rate of 1.5 gal./sq.

Membrane: One ply of DynaClad, DynaKap, DynaKap FR, DynaMax, DynaMax FR, DynaGlas, DynaGlas FR, DynaGlas 30 FR, DynaGlas 30 FR XT, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 S, DynaLastic 250, DynaLastic 250 FR or DynaPly adhered with MBR Bonding Adhesive at an application rate of 1.5 gal./sq to the ply sheet.

Surfacing: (Optional) Install one of the following:

- 2-3 gallons TopGard B emulsion/sq. or 2 gallons aluminum coating/sq. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.
- Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

Maximum Design Pressure: -82.5 psf (See General Limitation #7).



Deck Type 5: Cementitious Wood Fiber, Non-Insulated

Deck Description: Cementitious wood fiber

System Type E(1): Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet: One ply of PermaPly 28, DynaBase, DynaBase XT, GlasBase Plus or Ventsulation fastened to the deck as described below:

Fastening : Attach base sheet with ES Products 1.8" Twin Loc-Nail or Ultralok fasteners spaced 9" o.c. at the 3" side lap and two rows staggered 12" o.c. in the field.

Ply Sheet: (Optional) One or more plies of GlasBase Plus, GlasPly Premier, GlasPly IV, DynaLastic 180 S, DynaLastic 250 S, DynaBase, DynaBase XT or DynaPly adhered to the base sheet with approved mopping of asphalt applied within the EVT range and at a rate of 20-40 lbs/sq. or with MBR Bonding Adhesive at an application rate of 1.5 gal./sq.

Membrane: One ply of DynaKap, DynaKap FR, DynaMax, DynaMax FR, DynaGlas, DynaGlas FR, DynaGlas 30 FR, DynaGlas 30 FR XT, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 S, DynaLastic 250, DynaLastic 250 FR or DynaPly adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or with MBR Bonding Adhesive at an application rate of 1.5 gal./sq.

Or

(Only with a modified Base or Ply sheet) GlasKap or GlasKap CR Adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Surfacing: (Optional) Install one of the following:

1. 2-3 gallons TopGard B emulsion/sq. or 2 gallons aluminum coating/sq. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.
2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

Maximum Design Pressure: -82.5 psf (See General Limitations #7).



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.)**

END OF THIS ACCEPTANCE

