MIAMI-DADE

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)

GenFlex Roofing Systems
1722 Indian Wood Circle, Suite A
Maumee, OH 43537

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: Genflex PVC RM Single Ply Roof Systems over Recover Deck

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 # 01-0514.05 and consists of pages 1 through 11.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply
Material:	PVC
Deck Type:	Recover
Maximum Design Pressure	See Specific deck type
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
GenFlex RM	.048" or .060" thick 6' x 100'	TAS 110	PVC roofing membrane.
GenFlex RM-C	.048" or .060" thick 6' x 100'	TAS 110	PVC roofing membrane with a vinyl/acrylic coating on the top surface.
GenFast Metal Anchor Bar	1" x 10 ft x 0.063"	TAS 114	Steel bar for membrane attachment.
GenFast Polymer Batten Strip	1" x 250 ft x 0.058"	TAS 110	Plastic bar for membrane attachment.
GenFlex RM Waterbased Adhesive	5 gallon	Proprietary	Water based membrane adhesive
GenFlex RM Bonding Adhesive	5 gallon	Proprietary	Solvent based membrane adhesive.
GenFlex Low Rise Insulation Adhesive	various	TAS 110	Single component Urethane insulation adhesive.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
GenFlex Iso	Polyisocyanurate foam insulation	GenFlex
GenFlex ISOFiber	Polyisocyanurate / high density wood fiber composite insulation.	GenFlex
Millox, PYROX	Polyisocyanurate foam insulation	Apache Products Co.
ACFoam II	Polyisocyanurate foam insulation	Atlas Energy Products
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone
Gypsum	Gypsum board	generic
Wood Fiber	Wood fiber insulation board	generic

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
High Density Wood Fiberboard	Wood fiber insulation board	generic
Perlite Insulation	Perlite insulation board	generic
ENRGY-2 & PSI-25, UltraGard Gold, Premier	Polyisocyanurate foam insulation	Johns Manville
Fesco Board	Perlite insulation	Johns Manville
Multi Max FA	Polyisocyanurate foam insulation	R-Max

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	GenFlex #15 XHD Fastener	Fastener for membrane attachment to steel and concrete decks.		GenFlex
2.	GenFlex RM Seam Disc	Steel stress plate for membrane attachment.	2" round	GenFlex
3.	GenFlex XHD Barbed Seam Plate	Steel stress plate for membrane attachment.	2-3/8" round	GenFlex
4.	GenFlex II RM Steel	Steel stress plate for membrane attachment.	2" round	GenFlex
5.	GenFlex II RM Plastic	Polypropylene stress plate for membrane attachment.	2" round	GenFlex
6.	#14 & #15 Roofgrip Fasteners	Insulation fastener for wood, steel and concrete decks.		ITW Buildex Corp.
7.	Metal Plate	Galvalume stress plate.	3" round 3" square	ITW Buildex Corp.
8.	Olympic Fasteners	Insulation fastener		Olympic Mfg. Group, Inc.
9.	Olympic G-2	Galvalume AZ55 steel plate	3.5" round	Olympic Mfg. Group, Inc.
10.	Olympic Standard	Galvalume AZ50 steel plate	3" round	Olympic Mfg. Group, Inc.
11.	Olympic Polypropylene	Polypropylene stress plate	3.25" round	Olympic Mfg. Group, Inc.
12.	NTB Magnum	Insulation fastener for cementitious and gypsum decks	Various	Olympic Mfg. Group, Inc.
13.	NTB Plate	Galvalume AZ55 stress plate	3" round	Olympic Mfg. Group, Inc.
14.	NTB Metal Barbed Stress Plate	Galvalume AZ55 stress plate	2" round	Olympic Mfg. Group, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
15.	NTB Plastic Plate	Plastic plates for NTB 2" head fasteners.	3" round	Olympic Mfg. Group, Inc.
16.	#14 HD Insul-Fixx Fastener	Insulation fastener for wood, steel and concrete decks		SFS Intec, Inc.
17.	Extra Load Fastener HD	Membrane fastener for steel or concrete decks		SFS Intec, Inc.
18.	System ES-1	Insulation fastener and plate assembly for wood, steel and concrete decks		SFS Intec, Inc.
19.	Insul-Fixx S Plate	Galvalume AZ50 steel plate	3" round	SFS Intec, Inc.
20.	Insul-Fixx P Plate	Polyethylene stress plate	3" round	SFS Intec, Inc.
21.	Dekfast Fasteners #14 & #15	Insulation fastener for steel, wood and concrete decks		SFS Intec, Inc.
22.	Dekfast Hex Plate	Galvalume hex stress plate.	2-7/8" x 3-¼"	SFS Intec, Inc.
23.	Dekfast Lock Plate	Polypropylene locking plate.	3" x 3 1/4"	SFS Intec, Inc.
24.	Tru-Fast HD	Insulation fastener for wood, steel and concrete decks		The Tru-Fast Corp.
25.	Tru-Fast CF Fasteners	Insulation fastener for concrete decks		The Tru-Fast Corp.
26.	Tru-Fast Plates	Galvalume AZ55 steel plate	3" round	The Tru-Fast Corp.
27.	Tru-Fast Plates	Polyethylene plastic plate	3" round	The Tru-Fast Corp.
28.	Tru-Fast Plates MP-3	Galvalume AZ50 steel plate	3.23" round	The Tru-Fast Corp.

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
Factory Mutual Corp.	J.I. 3B4A0.AM	Wind Uplift	01/31/97
	J.I. 3Z7A0.AM	Wind Uplift	03/05/97
	J.I. 3B1A1.AM	Wind Uplift	07/21/97
	J.I. 0D7A5.AM	Wind Uplift	09/24/97
	Class 4470	J.I. 4B1A9.AM	09/09/98
	Class 4470	3002770	01/29/99
	Class 4470	3001461	04/30/99
	Class 4470	3001461	04/02/04
Underwriters Laboratories, Inc.	UL 1897	02NK11850	05/14/02

APPROVED ASSEMBLIES

Deck Type 7I: Recover, Insulated

Deck Description: steel/concrete

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

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ENRGY-2, ENRGY-3, Multi-Max FA, Ultra/M-II AEF, GenFlex Iso, ACFoam II Minimum 1.4" thick	**N/A**	**N/A**

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

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Ultra/M-II AEF, GenFlex Iso, ENRGY-2, ENRGY-3, ACFoam II Minimum 1.4" thick	**Approved Fastener for Deck Type**	**1:2 ft^2**
High Density Wood Fiberboard Minimum ½" thick	**Approved Fastener for Deck Type**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

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

Barrier: None.

Membrane: GenFlex RM or RM-C 45 or 60 mil membrane adhered to the insulation substrate with GenFlex RM Waterbased Adhesive or GenFlex RM Bonding Adhesive applied to each surface at a rate of 1 gal./65 ft^2. Seams shall be welded per the manufacturer's specifications.

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

Deck Type 7I: Recover

Deck Description: wood/steel/concrete/cementitious wood fiber/gypsum

System Type D: Membrane mechanically attached over perliminary fastened insulation.

All General and System Limitations apply.

One or more layers of the following insulations:

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam II, ENRGY-2, PSI-25, GenFlex Iso, UltraGard, ISO 95+ GL, Pyrox, Millox, MultiMax FA, Ultra/M-II AEF		
Minimum 1.3" thick	**N/A**	**N/A**
Esgard, Fiberboard, EnergyGuard Fiberboard, Huebert Fiberboard		
Minimum 1" thick	**N/A**	**N/A**
ConPerl, EnergyGuard Perlite, Fesco Board		
Minimum ¾" thick	**N/A**	**N/A**
Armor Board High Density, BP High Strength, FM-90 Traffic Top/High Density, Roof Insulation Board, High Density Fiberboard, Fiber Base HD1/HD6		
Minimum ½" thick	**N/A**	**N/A**

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a 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. Composite insulation panels shall be placed with the polyisocyanurate side down.

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder may be installed on the deck or over the base layer of insulation.

Barrier: (Optional) ½" type X gypsum or ¼" Dens Deck, loose laid

Membrane: GenFlex RM or RM-C fastened through preliminary attached insulation at sidelaps following one of the fastening methods specified below.

Fastening #1: ***(wood, steel, concrete)*** Fasten using Olympic HD fasteners with GenFlex II RM Seam Discs (Steel or Plastic) or Rawl Lap Plates spaced 12" o.c. within 4.5" laps spaced 48" o.c. Laps are sealed with a 2" heat weld. ***(meets –45 psf See General Limitation #7))***

Fastening #2: ***(steel, concrete)*** Fasten using Olympic Standard, Olympic HD, #12 or #14 Roofgrip, #12, #14, or #15 Dekfast, #12, #14 Insulfixx or TruFast HD fasteners with GenFlex RM Seam Discs, Dekfast 2 in. Metal Plates or GenFlex Bar Anchors or using SFS IF2-10 fasteners with SFS IF/IG-C metal plates spaced 6" o.c. within 4.5" laps spaced 70.5" o.c. Laps are sealed with a 2" heat weld. ***(meets –45 psf See General Limitation #7))***

Fastening #3: ***(wood, steel, concrete)*** Fasten using SFS Extra Load Fasteners HD spaced 12" o.c. through GenFlex Bar Anchors within 4" laps spaced 72" o.c. Laps are sealed with a 1" heat weld on each side of the Bar Anchor. ***(meets –45 psf See General Limitation #7))***

Fastening #4: *(steel)* Fasten minimum .060" RM or RM-C membrane using Buildex #15 SPM fasteners with Heavy Duty SPM Metal Plates spaced 12" o.c. within 5.5" laps spaced 69.5" o.c. Laps are sealed with a 1.5" heat weld. ***(meets –45 psf See General Limitation #7))***

Fastening #5: ***(wood, steel)*** Fasten minimum .060" RM or RM-C membrane GenFlex #15 XHD or SFS Extra Load Fasteners HD with GenFlex XHD Barbed Seam Plates metal plates spaced 12" o.c. within 5" laps spaced 70" o.c. Laps are sealed with a 2" heat weld. ***(meets –45 psf See General Limitation #7))***

Fastening #6: ***(steel, concrete)*** (Requires use of polyisocyanurate insulation) (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS #14 Insulfixx fasteners spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced 70.5" o.c. Laps are sealed with a 1.5" heat weld on each side of the Bar Anchor. ***(meets –60 psf See General Limitation #7))***

Fastening #7: ***(steel)*** (Requires maximum 6 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS Extra Load Fasteners HD spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced max. 12 ft. o.c. Fastened laps are sealed with a 5/8" heat weld on the inside of the lap and a 2" heat weld on the outside of the lap. Non-fastened laps are sealed with a 2" heat weld. ***(meets –60 psf See General Limitation #7))***

Fastening #8: ***(steel, concrete)*** (Requires maximum 4 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS Extra Load Fasteners HD spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced max. 12 ft. o.c. Fastened laps are sealed with a 5/8" heat weld on the inside of the lap and a 2" heat weld on the outside of the lap. Non-fastened laps are sealed with a 2" heat weld.
Maximum Design Pressure –60 psf (See General Limitation #7)

Fastening #9: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using GenFast #15 XHD fasteners with XHD Barbed Plates spaced 12" o.c. within 5" laps spaced 70" o.c. Laps are sealed with a 1.75" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #10: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using Olympic Super XHD fasteners with Super XHD Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #11: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using GenFast #16 Max fasteners with Max Barbed Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –52.5 psf (See General Limitation #7)

Fastening #12: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 80 steel deck) Fasten using GenFast #15 WH fasteners with WH Barbed Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.

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

Fastening #13: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 80 steel deck) Fasten using Olympic #15 XHD fasteners with GenFast WH Barbed Plates spaced 6" o.c. within 6" laps spaced 142" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #14: ***(cementitious wood fiber, gypsum)*** Fasten using Olympic N.T.B. Magnum with 2" Head spaced 6" o.c. within 4.5" laps spaced 57" o.c. Laps are sealed with a 2" heat weld. ***(meets –45 psf See General Limitation #7))***

Maximum Design Pressure: See Fastening Options Above

Deck Type 7: Recover, Non-Insulated.

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel

System Type E: Membrane mechanically attached to deck.

All General and System Limitations apply.

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder may be installed on the deck or over the base layer of insulation.

Barrier: (Optional) ½" type X gypsum or ¼" Dens Deck

Membrane: GenFlex RM or RM-C fastened at sidelaps following one of the fastening methods specified below.

Fastening #1: ***(wood, steel, concrete)*** Fasten using Olympic HD fasteners with GenFlex II RM Seam Discs (Steel or Plastic) or Rawl Lap Plates spaced 12" o.c. within 4.5" laps spaced 48" o.c. Laps are sealed with a 2" heat weld. ***(meets –45 ps See General Limitation #7))***

Fastening #2: ***(steel, concrete)*** Fasten using Olympic Standard, Olympic HD, #12 or #14 Roofgrip, #12, #14, or #15 Dekfast, #12, #14 Insulfixx or TruFast HD fasteners with GenFlex RM Seam Discs, Dekfast 2 in. Metal Plates or GenFlex Bar Anchors or using SFS IF2-10 fasteners with SFS IF/IG-C metal plates spaced 6" o.c. within 4.5" laps spaced 70.5" o.c. Laps are sealed with a 2" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #3: ***(wood, steel, concrete)*** Fasten using SFS Extra Load Fasteners HD spaced 12" o.c. through GenFlex Bar Anchors within 4" laps spaced 72" o.c. Laps are sealed with a 1" heat weld on each side of the Bar Anchor.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #4: ***(steel)*** Fasten minimum .060" RM or RM-C membrane using Buildex #15 SPM fasteners with Heavy Duty SPM Metal Plates spaced 12" o.c. within 5.5" laps spaced 69.5" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #5: ***(wood, steel)*** Fasten minimum .060" RM or RM-C membrane GenFlex #15 XHD or SFS Extra Load Fasteners HD with GenFlex XHD Barbed Seam Plates metal plates spaced 12" o.c. within 5" laps spaced 70" o.c. Laps are sealed with a 2" heat weld. ***Maximum Design Pressure –45 psf (See General Limitation #7)***

Fastening #6: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS #14 Insulfixx fasteners spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced 70.5" o.c. Laps are sealed with a 1.5" heat weld on each side of the Bar Anchor.
Maximum Design Pressure –60 psf (See General Limitation #7)

Fastening #7: ***(steel, concrete)*** (Requires maximum 6 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS Extra Load Fasteners HD spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced max. 12 ft. o.c. Fastened laps are sealed with a 5/8" heat weld on the inside of the lap and a 2" heat weld on the

outside of the lap. Non-fastened laps are sealed with a 2" heat weld.
Maximum Design Pressure –60 psf (See General Limitation #7)

Fastening #8: ***(steel, concrete)*** (Requires maximum 4 ft. deck spans and confirmation of Grade E steel deck) Fasten using SFS Extra Load Fasteners HD spaced 6" o.c. through GenFlex Bar Anchors within 4.5" laps spaced max. 12 ft. o.c. Fastened laps are sealed with a 5/8" heat weld on the inside of the lap and a 2" heat weld on the outside of the lap. Non-fastened laps are sealed with a 2" heat weld.
Maximum Design Pressure –60 psf (See General Limitation #7)

Fastening #9: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using GenFast #15 XHD fasteners with XHD Barbed Plates spaced 12" o.c. within 5" laps spaced 70" o.c. Laps are sealed with a 1.75" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #10: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using Olympic Super XHD fasteners with Super XHD Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #11: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 40 steel deck) Fasten using GenFast #16 Max fasteners with Max Barbed Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –52.5 psf (See General Limitation #7)

Fastening #12: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 80 steel deck) Fasten using GenFast #15 WH fasteners with WH Barbed Plates spaced 6" o.c. within 6" laps spaced 144" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #13: ***(steel, concrete)*** (For steel decking, requires maximum 6 ft. deck spans and confirmation of Grade 80 steel deck) Fasten using Olympic #15 XHD fasteners with GenFast WH Barbed Plates spaced 6" o.c. within 6" laps spaced 142" o.c. Laps are sealed with a 1.5" heat weld.
Maximum Design Pressure –45 psf (See General Limitation #7)

Fastening #14: ***(cementitious wood fiber, gypsum)*** Fasten using Olympic N.T.B. Magnum with 2" Head spaced 6" o.c. within 4.5" laps spaced 57" o.c. Laps are sealed with a 2" heat weld. ***Maximum Design Pressure –45 psf (See General Limitation #7)***

Maximum Design Pressure: See Fastening Options Above

RECOVER SYSTEM LIMITATIONS:

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

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each 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. **(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 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE