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PRODUCT CONTROL DIVISION
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PRODUCT CONTROL NOTICE OF ACCEPTANCE

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

Your application for Notice of Acceptance (NOA) of:

GenFlex RM PVC Roofing Membrane Over Recover

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0514.05
EXPIRES: 07/05/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 07/05/2001

ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing	Approval Date: July 5, 2001
<u>Sub-Category:</u>	Single Ply	Expiration Date: July 5, 2006
<u>Material:</u>	PVC	
<u>Deck Type:</u>	Recover	
<u>Maximum Design Pressure</u>	See Specific deck type	
<u>Fire Classification:</u>	See General Limitation #1	

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GenFlex RM	.048" or .060" thick, 6' x 100'	PA 110	PVC roofing membrane.
GenFlex RM-C	.048" or .060" thick, 6' x 100'	PA 110	PVC roofing membrane with a vinyl/acrylic coating on the top surface.
GenFlex Iso 4, 3 or 1	Various	PA 110	Polyisocyanurate insulation (flat or tapered)
GenFlex Iso Fiber 4	Various	PA 110	Polyisocyanurate / high density wood fiber composite insulation.
GenFlex Iso HC 1	Various	PA 110	Polyisocyanurate insulation
GenFlex II RM Steel	2" round x 0.030"	PA 114(E) PA 117	Steel stress plate for membrane attachment.
GenFlex II RM Plastic	2" round	PA 117	Polypropylene stress plate for membrane attachment.
GenFlex RM Seam Disc	2" round x 0.030"	PA 114(E) PA 117	Steel stress plate for membrane attachment.
GenFlex Bar Anchor	1" x 10 ft x 0.46"	PA 114(E)	Steel bar for membrane attachment.
GenFlex #15 XHD Fastener	Various	PA 114(E) PA 117	Fastener for membrane attachment to steel and concrete decks.
GenFlex XHD Barbed Seam Plate	2-3/8" round x 0.038"	PA 114(E) PA 117	Steel stress plate 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.



TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Millox	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co. (with current NOA)
Pyrox	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co. (with current NOA)
ACFoam II	various	PA 110	Polyisocyanurate foam insulation	Atlas (with current NOA)
ISO 95+ GL	various	PA 110	Polyisocyanurate foam insulation	Firestone (with current NOA)
Ultra/C-I	various	PA 110	Polyisocyanurate foam insulation	Homasote Co. (with current NOA)
E'NERG'Y PSI-25	various	PA 110	Polyisocyanurate foam insulation	Johns Manville (with current NOA)
E'NRG'Y-2	various	PA 110	Polyisocyanurate foam insulation	Johns Manville (with current NOA)
UltraGard Gold	various	PA 110	Polyisocyanurate foam insulation	Johns Manville (with current NOA)
Multi Max FA	Various	PA 110	Polyisocyanurate foam insulation	R-Max (with current NOA)
ConPerl	various	PA 110	perlite insulation	Conglas (with current NOA)
GAFTEMP Permalite	various	PA 110	perlite insulation	GAF Materials Corp. (with current NOA)
Fesco Board	various	PA 110	perlite insulation	Johns Manville (with current NOA)
Esgard	various	PA 110	wood fiberboard insulation	BPCO, Inc. (with current NOA)
GAFTEMP Fiberboard	various	PA 110	wood fiberboard insulation	GAF Materials Corp. (with current NOA)



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Huebert Fiberboard	various	PA 110	wood fiberboard insulation	Huebert, Inc. (with current NOA)
KopR Wood Fiber	various	PA 110	wood fiberboard insulation	Koppers Industries (with current NOA)
Type X Gypsum	various	PA 110	gypsum board	Generic
Dekfast Fasteners #15	various	PA 114	Insulation fastener for concrete decks	Construction Fasteners Inc. (with current NOA)
Dekfast Fasteners #14	various	PA 114	Insulation fastener for steel and steel, wood and concrete decks	Construction Fasteners Inc. (with current NOA)
Dekfast Hex Plate	2 7/8" x 3 1/4"	PA 114	Galvalume hex stress plate.	Construction Fasteners Inc. (with current NOA)
Dekfast Lock Plate	3" x 3 1/4"	PA 114	Polypropylene locking plate.	Construction Fasteners Inc. (with current NOA)
Roofgrip Fastener #14	Various	PA 114	Insulation fastener	ITW Buildex (with current NOA)
#15 SPM Fastener	Various	PA 114	Membrane fastener for use in steel or concrete decks	ITW Buildex (with current NOA)
Premium Metal Plate	3" square	PA 114	3" square galvalume AZ55 stress plate	ITW Buildex (with current NOA)
Heavy Duty SPM Metal Plates	2" round	PA 114	Galvalume AZ55 stress plate	ITW Buildex (with current NOA)
Olympic Standard	3" round	PA 114	3" round galvalume AZ55 steel plate	Olympic (with current NOA)
Olympic Polypropylene	3.25" round	PA 114	Polypropylene stress plate	Olympic (with current NOA)
SFS IF2-10	Various	PA 114	Membrane fastener for steel decks	SFS Stadler (with current NOA)
SFS Extra Load Fastener HD	Various	PA 114	Membrane fastener for steel or concrete decks	SFS Stadler (with current NOA)

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
#12 or #14 Insul-Fixx Fastener	Various	PA 114	Insulation fastener for use in steel and concrete decks	SFS Stadler (with current NOA)
SFS IF/IG-C	3¼" x 1-5/8"	PA 114	Galvalume AZ55 stress plate	SFS Stadler (with current NOA)
SFS Extra Load Plate LR6	2.37" round	PA 114	Galvalume AZ55 stress plate	SFS Stadler (with current NOA)
Insul-Fixx S	3" round	PA 114	3" round galvalume AZ55 stress plate	SFS Stadler (with current NOA)
Insul-Fixx P	3" round	PA 114	3" round polyethylene stress plate	SFS Stadler (with current NOA)
Tru-Fast HD	Various	PA 114	Insulation fastener for use in wood, steel or concrete decks	Tru-Fast (with current NOA)
Tru-Fast Plastic Plate	3.04" round	PA 114	3.04" round polyethylene plastic plate	Tru-Fast (with current NOA)
Tru-Fast MP-3	3.23" round	PA 114	3.23" round galvalume AZ50 steel plate	Tru-Fast (with current NOA)

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	J.I. 2X9A3.AM	Wind Uplift	03/04/94
	J.I. 3B1A1.AM	Wind Uplift	07/21/97
	J.I. 3Z7A0.AM	Wind Uplift	03/05/97
	J.I. 3B4A0.AM	Wind Uplift	01/31/97
	J.I. 0Z9A6.AM	Wind Uplift	06/05/95
	J.I. 2Z9A4.AM	Wind Uplift	11/14/95
	J.I. 0D7A5.AM	Wind Uplift	09/24/97
Underwriters Laboratories, Inc.	UL Roofing Materials and Systems Directory	Fire Classification File No. R9334	Published Annually



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Roofing Product Control Examiner

APPROVED ASSEMBLIES

Deck Type 7I: Recover

Deck Description: steel/concrete

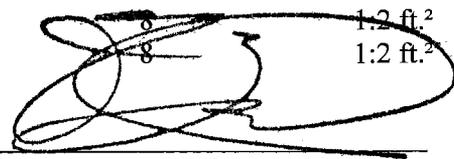
System Type C: All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply.

<u>Insulation Base Layer (Optional)</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
Approved Type(s): Multi-Max FA, Ultra/M-II AEF, GenFlex Iso 1, GenFlex Iso HC1				
Minimum: 1.4" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): GenFlex Iso 3, ACFoam II, Hy-Therm AP				
Minimum: 1.5" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): E'NRG'Y-2				
Minimum: 1.4" x 3' x 4'	N/A	N/A	N/A	N/A

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

<u>Insulation Top Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
Approved Type(s): Ultra/M-II AEF, GenFlex Iso 1, GenFlex Iso HC1				
Minimum: 1.4" x 4' x 4'	CF Dekfast	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	CF Omega	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	Buildex Accutrac	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	Buildex Hextra	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	Buildex Roofgrip	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	SFS Insulfixx	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	SFS Insulfixx #14	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	SFS Isofast	[3]	8	1:2 ft. ²
Minimum: 1.4" x 4' x 4'	SFS System ES-1	[3]	8	1:2 ft. ²
Approved Type(s): GenFlex Iso 3, ACFoam II, Hy-Therm AP				
Minimum: 1.5" x 4' x 4'	CF Dekfast	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	CF Omega	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	Buildex Accutrac	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	Buildex Hextra	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	Buildex Roofgrip	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	Olympic Standard	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	Olympic HD	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	SFS Insulfixx	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	SFS Insulfixx #14	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	SFS Isofast	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	SFS System ES-1	[3]	8	1:2 ft. ²
Minimum: 1.5" x 4' x 4'	TruFast	[3]	8	1:2 ft. ²



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Approved Type(s): **E'NRG'Y-2**

Minimum: 1.4" x 3' x 4'	Buildex Accutrac	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	Buildex Hextra	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	Buildex Roofgrip	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	SFS Insulfixx	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	SFS Insulfixx #14	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	SFS Isofast	[2]	6	1:2 ft. ²
Minimum: 1.4" x 3' x 4'	SFS System ES-1	[2]	6	1:2 ft. ²

Approved Type(s): **Celotex High Density Wood Fiberboard**

Minimum: ½" x 4' x 4'	CF Dekfast	[3]	8	1:2 ft. ²
Minimum: ½" x 4' x 4'	CF Omega	[3]	8	1:2 ft. ²
Minimum: ½" x 4' x 4'	Olympic Standard	[3]	8	1:2 ft. ²
Minimum: ½" x 4' x 4'	Olympic HD	[3]	8	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 FMRC 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 ft². Seams shall be welded per the manufacturer's specifications.

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



Deck Type 7I: Recover

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

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

All General and System Limitations apply.

<u>Insulation Base or Top Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
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One or more layers of the following insulations:

Approved Type(s): **ACFoam II, Hy-Tec, E'NRG'Y-2, PSI-25, GenFlex Iso 1, GenFlex Iso HC, UltraGard, Hy-Therm AP, ISO 95+ GL, Pyrox, Millox, MultiMax FA, Ultra/M-II AEF**
 Minimum: 1" x 4' x 4' N/A N/A N/A N/A

Approved Type(s): **Celotherm, ConPerl, GAFTEMP Permalite, Fesco Board**
 Minimum: ¾" x 2' x 4' N/A N/A N/A N/A

Approved Type(s): **Esgard, Celotex Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard**
 Minimum: 1" x 4' x 4' N/A N/A N/A N/A

Approved Type(s): **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" x 4' x 4' N/A N/A N/A N/A

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, 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.

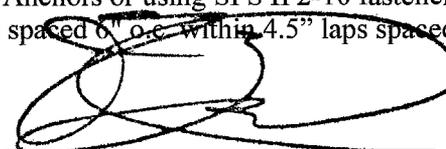
Vapor Retarder: (Optional) Any UL or FMRC approved vapor retarder may be installed on the deck or over the base layer of insulation.

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

Membrane: GenFlex RM or RM-C fastened 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 -45.0 psf See General Limitation #7)*

Fastening #2: *(steel, concrete)* Fasten using Olympic Standard (steel only), Olympic HD, #12 (steel only) or #14 Roofgrip, #12 (steel only), #14, or #15 Dekfast, #12 Insulfixx (steel only), #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 (steel only) with SFS IF/IG-C metal plates spaced 6" o.c. within 4.5" laps spaced



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70.5" o.c. Laps are sealed with a 2" heat weld. *(meets -45.0 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 -45.0 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 -45.0 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 -45.0 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 -60.0 psf See General Limitation #7)*

- Fastening #7: *(steel)* (Requires use of polyisocyanurate insulation) (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 -60.0 psf See General Limitation #7)*

- Fastening #8: *(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 -45.0 psf See General Limitation #7)*



Deck Type 7: Recover, Noninsulated.

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 FMRC 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 -45.0 ps See General Limitation #7))*

Fastening #2: *(steel, concrete)* Fasten using Olympic Standard (steel only), Olympic HD, #12 (steel only) or #14 Roofgrip, #12 (steel only), #14, or #15 Dekfast, #12 Insulfixx (steel only), #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 (steel only) 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 -45.0 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 -45.0 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 -45.0 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 -45.0 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 -60.0 psf See General Limitation #7))*



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- Fastening #7: *(steel)* (Requires use of polyisocyanurate insulation) (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 -60.0 psf See General Limitation #7)*
- Fastening #8: *(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 -45.0 psf See General Limitation #7)*



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.)**



Frank Zuloaga, RRC
Roofing Product Control Examiner

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

- 1 Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
- 2 Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3 Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
- 4 Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5 Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
- 6 The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7 A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be resealed by the engineer.
- 8 Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9 This Acceptance contains pages 1 through 13.

END OF THIS ACCEPTANCE

