MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
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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 EPDM Single-Ply Roof Systemfor Cementitious Wood Fiber Decks
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.: 00-0807.04
EXPIRES: 09/14/2003

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: 09/14/2000

ROOFING SYSTEM APPROVAL

Category:	Roofing	Approval Date: **September 14, 2000**
Sub-Category:	Single Ply, EPDM	
		Expiration Date: **September 14, 2003**
Deck Type:	Cementitious Wood Fiber	
Maximum Design Pressure	-45 psf	
Fire Classification:	See General Limitation #1	

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
GenFlex II EPDM	Various widths x Various lengths x .045" or .060"	PA 110	Un-reinforced EPDM Membrane
GenFlex II FRM	Various widths x Various lengths x .045" or .060"	PA 110	Reinforced EPDM Membrane
GenFlex II FR EPDM	Various widths x Various lengths x .045" or .060"	PA 110	Un-reinforced Fire Retardant EPDM Membrane
GenFlex Flex Flash E Uncured EPDM	6"-48" x various	PA 110	Uncured EPDM flashing membrane
GenFlex Flex Flash N Uncured Neoprene	6"-48" x various	PA 110	Uncured neoprene flashing membrane
GenFlex Seam Tape	3" x 100'	PA 110	Extruded black rubber adhesive tape for membrane lapped seams
GenFlex Bar Anchor Cover Tape	6" x 100'	PA 110	Extruded black rubber adhesive tape laminated to rubber strips
GenFlex Primer	1-5 gallon cans	PA 110	Primer for pretreatment of adhered seams
GenFlex EPDM Bonding Adhesive Type E	5 gallon cans	PA 110	Contact adhesive for mebrane to substrate
GenFlex G-400 Splice Adhesive	1-5 gallon cans	PA 110	EPDM seam adhesive

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Product	Dimensions	Test Specification	Product Description
GenFlex Edge Caulk	10 oz tubes or 1 gallon cans	PA 110	Seam caulk for adhered seams
Genflex Waterstop	10 oz tubes	PA 110	Butyl mastic for compression seal joints
GenFlex Pitch Pan Filler	1.5 gallon cans	PA 110	Two component pourable urethane sealant
GenFlex Anchor Bars	16 Gauge x 10' x 1"	PA 114	Bar anchors for mechanically attachment of the roof membrane
GenFlex Termination Bar	.09" x 1.25" x 10'	PA 114	Membrane termination bar
GenFlex Termination Rings	16 Gauge x 1" rings	PA 114	Termination bar for pipe flashings
GenFlex EPDM Pipe Boots		PA 110	Prefabricated Pipe boots
GenFlex EPDM Peel and Stick Pipe Boots		PA 110	Self adhering pipe boots
GenFlex EPDM Inside and Outside Corners		PA 110	Pre-molded corners
FlexGuard Walkpad	3/8" x 2' x 3'	PA 110	Membrane proction board
GenFlex ACE Coating	5 gallon cans	PA 110	Acrylic base polymer coating for EPDM membrane

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

Product	Dimensions	Test Specification	Product Description	Manufacturer
Hy Therm	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co.
Pyrox	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co.

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Product	Dimensions	Test Specification	Product Description	Manufacturer
White Line	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co.
ACFoam Composite	various	PA 110	Polyisocyanurate foam insulation	Atlas Energy Products
ACFoam II	various	PA 110	Polyisocyanurate foam insulation	Atlas Energy Products
High Density Fiber Board	various	PA 100	Wood fiber insulation	Celotex Corp.
Hy-Tec	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Hy-Tec 2	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Hy-Tec Composite	various	PA 110	Polyisocyanurate foam/ wood fiber insulation	Celotex Corp.
Hy-Therm SP	various	PA 110	Polyisocyanurate foam insulation.	Celotex Corp.
Hy-Therm AP	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Hy-Therm Stable R	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Hy-Therm White Line	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Star AP	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.
Top R II	various	PA 110	Polyisocyanurate foam insulation	Celotex Corp.

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Product	Dimensions	Test Specification	Product Description	Manufacturer
Dekfast Fasteners #14		PA 114	Insulation fastener for steel and concrete decks	Construction Fasteners Inc.
Dekfast Hex Plate	2 7/8" x 3 1/4"	PA 114	Galvalume hex stress plate.	Construction Fasteners Inc.
Dekfast Lock Plate	3" x 3 1/4"	PA 114	Polypropylene locking plate.	Construction Fasteners Inc.
Dekfast Fasteners #15		PA 114	Insulation fasteners for concrete decks	Construction Fasteners Inc.
Dekfast Fasteners #12		PA 114	Insulation fastener for steel and wood decks.	Construction Fasteners Inc.
ISO 95+ GW	various	PA 110	Polyisocyanurate foam insulation	Firestone
ISO 95+ GL	various	PA 110	Polyisocyanurate foam insulation	Firestone
ISO 95+ Composite		PA 110	Polyisocyanurate / perlite ridged insulation	Firestone
ISO 95+		PA 110	Polyisocyanurate foam insulation	Firestone
Rhoflex	various	PA 110	Polyisocyanurate foam insulation	Firestone
Rhoflex Composite	various	PA 110	Polyisocyanurate foam / Perlite composite insulation	Firestone
Isotherm R	various	PA 110	Polyisocyanurate foam insulation	GAF Building Materials
Expanded Polystyrene (EPS)	various	PA 110	Expanded polystyrene insulation	generic

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Product	Dimensions	Test Specification	Product Description	Manufacturer
Extruded Polystyrene	various	PA 110	Extruded polystyrene insulation	generic
High Density Wood Fiberboard	various	PA 110	Wood fiber insulation board	generic
Wood Fiberboard	1" x 2' x 4'	PA 110	Wood fiber insulation board	generic
Perlite Insulation	various	PA 110	Perlite insulation board	generic
Silica Sand	Sieve size 50-100		Silica Sand	Generic
Type X Gypsum	various		Fire resistant rated gypsum	generic
Ultra/M-II	various	PA 110	Polyisocyanurate foam insulation	Homasote Co.
#12 Roofgrip		PA 114	Insulation fastener for steel or wood decks	ITW Buildex
#14 Roofgrip		PA 114	Insulation fastener steel, wood or concrete decks	ITW Buildex
Premium Metal Plate	3" square	PA 114	3" square galvalume AZ55 stress plate	ITW Buildex
Standard Plastic Plate	3" round	PA 114	Polyolefin plastic plate	ITW Buildex
E'NERG'Y PSI-25	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc.
E'NRG'Y-1	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc.
E'NRG'Y-2	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc.

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Product	Dimensions	Test Specification	Product Description	Manufacturer
E'NRG'Y-2 Composite	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc.
Con-Tite		PA 114	Conctrete deck insulation fastener	Olympic Manufacturing Group, Inc.
Lite-Deck		PA 114	Carbon Steel fastener for gypsum or Cementitious	
GTL		PA 114	Glass reinforced nylon fastener for gypsum and cementitious decks	
N.T.B. Magnum		PA 114	Glass reinforced nylon fastener for use in gypsum and cementitious wood fiber decks.	Olympic Manufacturing Group, Inc.
N.T.B. Spin Weld Plate	2" round	PA 114	2" round amorphorus nylon locking plate for use with N.T.B. fasteners with 1" head	Olympic Manufacturing Group, Inc.
N.T.B. Plastic Plate	3" round	PA 114	3" round polypropylene stress plate for use with N.T.B. fasteners	Olympic Manufacturing Group, Inc.
N.T.B. Plate		PA 114	3" round galvalume AZ55 plate for use with N.T.B. fasteners	Olympic Manufacturing Group, Inc.
Olympic Standard	3" round	PA 114	3" round galvalume AZ55 steel plate	Olympic Manufacturing Group, Inc.
Olympic Fastener #14		PA 114	Insulation fastener	Olympic Manufacturing Group, Inc.

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Product	Dimensions	Test Specification	Product Description	Manufacturer
Olympic Polypropylene	3.25" round	PA 114	Polypropylene plastic plate	Olympic Manufacturing Group, Inc.
Olympic Fastener #12		PA 114	Insulation fastener	Olympic Manufacturing Group, Inc.
Strap Toggle		PA 114	Steel bolt with CR-10 coating, steel toggle and plastic-strap	Olympic Manufacturing Group, Inc.
Fiberglas	various	PA 110	Fiber glass roof insulation	Owens-Corning Fiberglas Corp.
Multi-Max	various	PA 110	Polyisocyanurate foam insulation	Rmax, Inc.
Thermaroof Plus	various	PA 110	Polyisocyanurate foam insulation	Rmax, Inc.
Thermaroof Composite	various	PA 110	Polyisocyanurate foam / perlite composite insulation	Rmax, Inc.
Fesco Foam	various	PA 110	Polyisocyanurate foam / fescoboard insulation	Schuller International Inc.
UltraGard Gold	various	PA 110	Polyisocyanurate foam insulation	Schuller International Inc.
HD Insul-Fixx Fastener		PA 114	Insulation fastener for use in steel and concrete decks	SFS/Stadler
Insul-Fixx Fastener		PA 114	Insulation fastener for steel and wood decks	SFS/Stadler
Insul-Fixx S	3" square	PA 114	3" square galvalume AZ55 stress plate	SFS/Stadler

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Product	Dimensions	Test Specification	Product Description	Manufacturer
Insul-Fixx P	3" round	PA 114	3" round polyethylene stress plate	SFS/Stadler
Isofast Plate	various	PA 114	Square or oblong galvalume steel plates for use with Isofast fasteners	SFS/Stadler
Isofast Fasteners		PA 114	Insulation fastener for steel and wood decks	SFS/Stadler
Rawl Drive		PA 114	Insulation fastener and steel and plastic stress plate for concrete deck	The Rawlplug Company Inc.
Rawl 2" Plate	2" round	PA 114	2" round galvalume AZ55 membrane plate	The Rawlplug Company Inc.
Rawl 3" Plate	3" round	PA 114	3" round galvalume AZ55 steel plate	The Rawlplug Company Inc.
Rawl Speed-Lock Toggle Bolt		PA 114	Insulation fastener assembly	The Rawlplug Company Inc.
Rawl Spike		PA 114	Insulation fastener and steel and plastic stress plate for concrete deck	The Rawlplug Company Inc.
Rawlite		PA 114	Insulation fastener for cementitious and gypsum decks	The Rawlplug Company Inc.
Rawlite 3" Plate	3" round	PA 114	3" round galvalume AZ55 steel plate for use with Rawlite fasteners	The Rawlplug Company Inc.
Tru-Fast DL		PA 114	Insulation fastener for steel, or wood	Tru-Fast

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Product	Dimensions	Test Specification	Product Description	Manufacturer
Tru-Fast Plastic Plate	3.04" round	PA 114	3.04" round polyethylene plastic plate	Tru-Fast
Tru-Fast MP-3	3.23" round	PA 114	3.23" round galvalume AZ50 steel plate	Tru-Fast
Tru-Fast HD		PA 114	Insulation fastener for use in wood, steel or concrete decks	Tru-Fast
Tru-Fast Ultra		PA 114	Stainless Steel fastener for use in steel, wood and concrete decks	Tru-Fast
Tru-Fast CF Fasteners		PA 114	Insulation fastener for concrete decks	Tru-Fast
Structodeck	various	PA 110	High density wood fiber	Wood Fiber Industries

EVIDENCE SUMBITTED:

Test Agency	Test Identifier	Description	Date
Factory Mutual Research	J.I. 1H3A8.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	7/18/84
Factory Mutual Research	J.I. 1H4A5.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	7/23/87
Factory Mutual Research	J.I. ON7A4.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	3/08/89
Factory Mutual Research	J.I. 1Q8A5.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	12/11/89
Factory Mutual Research	J.I. 1P8A1.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	2/06/90
Factory Mutual Research	J.I. 1P8A6.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	12/31/91

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Test Agency	Test Identifier	Description	Date
Factory Mutual Research	J.I. 3W1A7.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	6/22/93
Factory Mutual Research	J.I. 2X1A5.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	11/30/93
Factory Mutual Research	J.I. 2X6A3.AM	Class I Fire: 1-60 & 1-90 Wind Uplift Classification	4/11/94
Underwriters Labratories, Inc.	R9334	Fire Classification	12/17/93
Underwriters Labratories, Inc.	91NK15494	Fire Classification	2/28/92

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SYSTEMS:

Membrane Type: SINGLE PLY MEMBRANE

Deck Type 5I: Cementitious Wood Fiber, Insulated, New Construction

Deck Description: Cementitious wood fiber

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

All General and System Limitations apply.

Insulation Base Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **Extruded Polystyrene (For use under wood fiber only)**				
Minimum: 1" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Expanded Polystyrene (For use under wood fiber only)**				
Minimum: 1" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **ACFoam-II**				
Minimum: 1.3" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **E'NRG'Y-1, E'NRG'Y-2, PSI-25**				
Minimum: 2" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Hy-Tec, Hy-Tec 2**				
Minimum: 1.2 x 3' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **ISO-95 FG, ISO-95 GL, GW, Rhoflex Isocyanurate**				
Minimum: 1.4 x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Isotherm R, Hy-Therm, WHITELINE, AP**				
Minimum: 1.25" x 4' x 8'	N/A	N/A	N/A	N/A
Approved Type(s): **ACFoam Composite, Hy-Tec Composite, Iso-95 Composite, Rhoflex Composite**				
Minimum: 1.5" x 4' x 4'	N/A	N/A	N/A	N/A
Minimum: 1.2" x 3' x 4'	N/A	N/A	N/A	N/A

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Insulation Base Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **Ultra/M-II Isoglas**				
Minimum: 1.2" x 3' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Wood Fiber**				
Minimum: 1" x 2' 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. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining e same fastener density. Please refer to Miami-Dade County Roofing Application Standard RAS 117 for insulation attachment.

Insulation Top Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **ACFoam-II**				
Minimum: 1.3" x 4' x 4'	GTL	[3]	6	1:2.67 ft.^{2}
Minimum: 1.3" x 4' x 4'	Lite-Deck	[3]	6	1:2.67 ft.^{2}
Minimum: 1.3" x 4' x 4'	NTB Magnum	[3]	6	1:2.67 ft.^{2}
Approved Type(s): **Hy-Tec, Hy-Tec 2**				
Minimum: 1.2 x 3' x 4'	GTL	[2]	6	1:2 ft.^{2}
Minimum: 1.2 x 3' x 4'	Lite-Deck	[2]	6	1:2 ft.^{2}
Minimum: 1.2 x 3' x 4'	NTB Magnum	[2]	6	1:2 ft.^{2}
Approved Type(s): **ISO-95 FG**				
Minimum: 1.4 x 4' x 4'	GTL	[3]	6	1:2.67 ft.^{2}
Minimum: 1.4 x 4' x 4'	Lite-Deck	[3]	6	1:2.67 ft.^{2}
Minimum: 1.4 x 4' x 4'	NTB Magnum	[3]	6	1:2.67 ft.^{2}
Approved Type(s): **ISO-95 GL, GW, Rhoflex Isocyanurate**				
Minimum: 1.4" x 4' x 4'	GTL	[3]	8	1:2 ft.^{2}
Minimum: 1.4" x 4' x 4'	Lite-Deck	[3]	8	1:2 ft.^{2}
Minimum: 1.4" x 4' x 4'	NTB Magnum	[3]	8	1:2 ft.^{2}
Approved Type(s): **Isotherm R, Hy-Therm, WHITELINE, AP**				
Minimum: 1.25" x 4' x 4'	GTL	[3]	6	1:2.67 ft.^{2}
Minimum: 1.25" x 4' x 4'	Lite-Deck	[3]	6	1:2.67 ft.^{2}
Minimum: 1.25" x 4' x 4'	NTB Magnum	[3]	6	1:2.67 ft.^{2}
Minimum: 1.25" x 4' x 4'	Rawlite	[3]	6	1:2.67 ft.^{2}

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Insulation Top Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **ACFoam Composite, Hy-Tec Composite, Iso-95 Composite, Rhoflex Composite**				
Minimum: 1.5" x 4' x 4'	GTL	[3]	6	1:2.67 ft.^{2}
Minimum: 1.5" x 4' x 4'	Lite-Deck	[3]	6	1:2.67 ft.^{2}
Minimum: 1.5" x 4' x 4'	NTB Magnum	[3]	6	1:2.67 ft.^{2}
Minimum: 1.5" x 4' x 4'	Rawlite	[3]	6	1:2.67 ft.^{2}
Approved Type(s): **Top R II, STAR AP, Hy-Therm SP**				
Minimum: 1.2" x 3' x 4'	GTL	[3]	6	1:2 ft.^{2}
Minimum: 1.2" x 3' x 4'	Lite-Deck	[3]	6	1:2 ft.^{2}
Minimum: 1.2" x 3' x 4'	NTB Magnum	[3]	6	1:2 ft.^{2}
Approved Type(s): **Ultra/M-II Isoglas**				
Minimum: 1.2" x 3' x 4'	GTL	[2]	6	1:2 ft.^{2}
Minimum: 1.2" x 3' x 4'	Lite-Deck	[2]	6	1:2 ft.^{2}
Minimum: 1.2" x 3' x 4'	NTB Magnum	[2]	6	1:2 ft.^{2}
Approved Type(s): **Wood Fiber**				
Minimum: 1" x 2' x 4'	GTL	[1]	4	1:2 ft.^{2}
Minimum: 1" x 2' x 4'	Lite-Deck	[1]	4	1:2 ft.^{2}
Minimum: 1" x 2' x 4'	NTB Magnum	[1]	4	1:2 ft.^{2}
Minimum: 1" x 2' x 4'	Rawlite	[1]	4	1:2 ft.^{2}

Note: Refer to Miami-Dade County Roofing Application Standard RAS 117 for insulation attachment requirements.

Vapor Retarder:	Any UL or FMRC approved vapor retarder may be installed on the roof deck or over the first layer of insulation.
Barrier:	(Optional) ½" gypsum board loose laid and secured with the insulation assembly.
Membrane:	GenFlex II EPDM, GenFlex II FR EPDM, GenFlex II EPDM FRM adhered to the approved substrate with GenFlex bonding adhesive applied to both surfaces at the rate of 65ft^2/gal.
Surfacing:	(Optional) Genflex ACE coating at an application rate of 1gal./sq. with optional silica sand applied into the wet coating.
Maximum Design Pressure:	-45 psf (See General Limitation #9)
Maximum Fire Classification:	See General Limitation #1.
Maximum Slope:	See General Limitation #1.

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Membrane Type: SINGLE PLY MEMBRANE

Deck Type 5I: Cementitious Wood Fiber, Insulated, New Construction

Deck Description: Cementitious wood fiber

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

All General and System Limitations apply.

Insulation Base Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Use one or more layers of the following under one of the insulations listed as Top Layer Only.				
Approved Type(s): **Thermaroof Plus**				
Minimum: 1.5" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Perlite**				
Minimum: 1" x 2' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Fiberglas**				
Minimum: $^{15}/_{16}$" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Extruded Polystrene**				
Minimum: 1" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Expanded Polystyrene**				
Minimum: 1" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Sturdi-Top**				
Minimum: ½" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Celotex HD**				
Minimum: ½" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **E'NRG'Y-1, E'NRG'Y-2, PSI-25**				
Minimum: 2" x 4' x 4'	N/A	N/A	N/A	N/A

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Insulation Base or Top Layer	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **Hy-Tec, Hy-Tec 2**				
Minimum: 1.2 x 3' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **ISO-95 GL, GF, GW, Rhoflex Isocyanurate**				
Minimum: 1.4" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Isotherm R, Hy-Therm, WHITELINE, PYREX**				
Minimum: 1.25" x 4' x 8'	N/A	N/A	N/A	N/A
Approved Type(s): **Thermax TRI-STAR, STABLE-R, Top R II, STAR AP, Hy-Therm SP**				
Minimum: 1.2" x 3' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Multi-Max**				
Minimum: 1.4" x 4' x 8'	N/A	N/A	N/A	N/A
Approved Type(s): **UltraGard Gold**				
Minimum: 1.4" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **ACFoam Composite, Hy-Tec Composite, Iso-95 Composite, Rhoflex Composite, Fesco Foam, Thermaroof Composite**				
Minimum: 1.5" x 4' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Wood Fiber**				
Minimum: 1" x 2' x 4'	N/A	N/A	N/A	N/A

One of the following is required over insulation listed as Base Layer and optional over insulation listed as Base or Top Layer.

Insulation Top Layer Only	Fastener Type	Fastening Detail No.	Fasteners Per Board	Fastener Density
Approved Type(s): **Wood Fiber**				
Minimum: 1" x 2' x 4'	N/A	N/A	N/A	N/A
Approved Type(s): **Structodek**				
Minimum: ½" x 4' x 4'	N/A	N/A	N/A	N/A

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Note: All insulations shall have preliminary attachment, prior to the installation of the roofing membrane at an 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:	Any UL or FMRC approved vapor retarder may be installed on the roof deck or over the first layer of insulation.
Barrier:	(Optional) ½" gypsum board loose laid and secured with the insulation assembly.
Membrane:	GenFlex II EPDM, GenFlex II FR EPDM, GenFlex II EPDM FRM attached with bar anchors as described below or GenFlex II EPDM FRM attached with screws and discs as described below.
Fastening:	Bar anchors are placed over the roof membrane or in laps at a maximum of 72" o.c. and secured 6" o.c. through pre-drilled holes with approved fasteners and the bars are covered with an adhered 6" lap, adhered 8" strip, lap with 5" wide seam tape or 6" wide cover tape. See System Limitation # 2.
Fastening:	Approved fasteners and 2" DekFast discs are placed 6" o.c. in 6" wide laps 7' o.c. in the GenFlex II FRM membrane, and the laps are sealed with lap adhesive and lap sealant following the GenFlex requirements. See System limitation # 2.
Surfacing:	(Optional) Genflex ACE coating at an application rate of 1gal./sq. with optional silica sand applied into the wet coating.
Maximum Design Pressure:	-45 psf (See General Limitation #7)
Maximum Fire Classification:	See General Limitation #1.
Maximum Slope:	See General Limitation #1.

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CEMENTITIOUS WOOD FIBER SYSTEMS LIMITATIONS:

1 If the deck has a fully bonded felt facer, a separation board or insulation board may be fully adhered to the deck in full moppings of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. Joints shall be stripped in prior to application of the separation board or insulation board.

2 A red rosin sheet shall be installed on all cementitious wood decks to eliminate asphalt seepage and bonding of base sheet or anchor sheet to plank and deck.

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 applied 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 may 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 TAS 105. If the fastener value, as field-tested, is 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 the 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 or Architect may be submitted. Said revised fastener spacing utilize the withdrawal resistance value taken from Miami-Dade Protocol TAS 105 and calculations in compliance with Miami-Dade Roofing Application Standard RAS 117.

7 Perimeter and corner areas shall comply with the enhanced uplift pressure of these areas, as calculated in compliance with Chapter 23 of the South Florida Building Code. Fastener densities shall be increase for both insulation and base sheet as needed calculated in compliance with Miami-Dade Roofing Application Standard TAS 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 Miami-Dade County Roofing Application Standard TAS 111 and the wind load requirements of Chapter 23 of the South Florida Building Code.

9 The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, corners). No 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.)**

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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 19.

END OF THIS ACCEPTANCE

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Roofing Product Control Examiner