



BUILDING CODE COMPLIANCE OFFICE
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PRODUCT CONTROL DIVISION
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PRODUCT CONTROL NOTICE OF ACCEPTANCE

Versico, Incorporated
3485 Fortuna Drive
Akron ,OH 44312

Your application for Notice of Acceptance (NOA) of:

Versigard Single Ply Roofing System - Concrete Deck

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.: 01-0504.03
EXPIRES: 08/23/2006

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: 08/23/2001

ROOFING SYSTEM APPROVAL

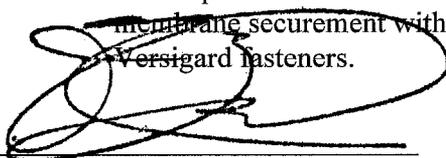
Category: Roofing
Sub-Category: Single Ply
Material: EPDM
Deck type: Concrete Deck
Maximum Design Pressure: -240 psf.
Fire Classification: See General Limitation #1

Approval Date: August 23, 2001
Expiration Date: August 23, 2006

TABLE 1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Versigard G100SA White Seam Adhesive		PA 110	Seam Adhesive for White/Black membranes
Versigard White/Black EPDM	various	ASTM D 4637	Non-reinforced white/black EPDM membrane.
Versigard G300LS White Lap Sealant		PA 110	Lap Sealant for white/black membranes.
Polyisocyanurate MP-W	various	PA 110	Polyisocyanurate roof insulation.
Polyisocyanurate MP	various	PA 110	Polyisocyanurate roof insulation.
Polyisocyanurate MP-N	various	PA 110	Polyisocyanurate roof insulation.
Versigard G100B Seam Adhesive		PA 110	Seam Adhesive for black membranes
Versigard G200SA Yellow Substrate Adhesive		PA 110	Standard substrate adhesive.
Versigard II EPDM	various	ASTM D 4637	Non-reinforced, fire retardant black EPDM membrane.
Versigard II Reinforced EPDM	various	ASTM D 4637	Reinforced, fire retardant black EPDM membrane.
Versigard G300LS Black Lap Sealant		PA 110	Lap Sealant for black membranes
Versico Insulation Plates	2 7/8" dia.	PA 114	Metal plates used for insulation securement.
Versigard Reinforced EPDM	various	ASTM D 4637	Reinforced black EPDM membrane.
Versico Concrete Spikes	1/4" dia.	PA 114	Driven fasteners used for insulation and membrane securement in concrete decks.
Versico Polymer Seam Plates	2" dia.	PA 114	Plastic plates used for membrane securement with Versigard fasteners.

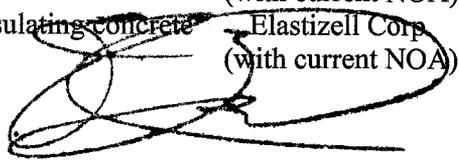


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 Roofing Product Control Examiner

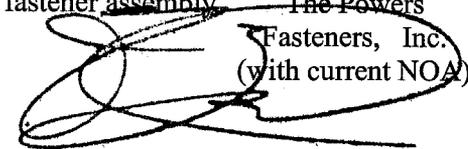
<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Versico Lightweight Insulation Plates	3" dia.	PA 114	Metal plates used for insulation securement with Lightweight Fasteners.
Versico Lightweight Fasteners	0.687 dia.	PA 114	Threaded plastic fasteners for insulation and membrane securement in lightweight deck materials.
Versigard EPDM	various	ASTM D 4637	Non-reinforced EPDM black membrane.
Versico Seam Fastening Plates	2" dia.	PA 114	Metal plates used for membrane securement with Versigard fasteners.
Versico Lightweight Seam Plates	2" dia.	PA 114	Metal plates used for membrane securement with Lightweight Fasteners.
Versico HPV or MPV Fasteners	#14	PA 114	Threaded fasteners used for insulation and membrane securement in steel, wood and concrete decks.

**TABLE 2
TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS**

<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Hy Therm	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)
White Line	various	PA 110	Polyisocyanurate foam insulation	Apache Products Co. (with current NOA)
ACFoam II	various	PA 110	Polyisocyanurate foam insulation	Atlas Energy Products (with current NOA)
Celcore		PA 110	Cellular insulating concrete system	Celcore, Inc. (with current NOA)
Dekfast Fasteners #14		PA 114	Insulation fastener for steel 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)
Styrofoam	2' x 8'	PA 110	Extruded polystyrene insulation	Dow (with current NOA)
Elastizell		PA 110	Cellular insulating concrete system	Elastizell Corp (with current NOA)


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<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
ISO 95+ GL, 95+ GW Asphalt Primer		PA 110 ASTM D 41	Polyisocyanurate foam insulation Asphalt Primer	Firestone (with current NOA) Generic (with current NOA)
High Density Wood Fiberboard	various	PA 110	Wood fiber insulation board	Generic (with current NOA)
Oriented Strand Board	various	PA 110	Oriented strand insulation board.	Generic (with current NOA)
Perlite/Urethane Composite	various	PA 110	Perlite/urethane composite insulation board	Generic (with current NOA)
Sturdi-Top	various	PA 110	Wood fiber insulation board.	Georgia Pacific (with current NOA)
Ultra/M-II	various	PA 110	Polyisocyanurate foam insulation	Homasote Co. (with current NOA)
Insta-Stick	various	PA 110	Polyisocyanurate foam insulation	Insta-Foam (with current NOA)
#14 Roofgrip		PA 114	Insulation fastener	ITW Buildex (with current NOA)
E'NERG'Y PSI-25	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc. (with current NOA)
E'NRG'Y-2	various	PA 110	Polyisocyanurate foam insulation	NRG Barriers, Inc. (with current NOA)
Olympic Fastener #14		PA 114	Insulation fastener	Olympic Manufacturing Group, Inc. (with current NOA)
Multi-Max FA	various	PA 110	Polyisocyanurate foam insulation	RMAX (with current NOA)
HD Insul-Fixx Fastener		PA 114	Insulation fastener for use in steel and concrete decks	SFS/Stadler (with current NOA)
Insul-Fixx Fastener		PA 114	Insulation fastener for steel and wood decks	SFS/Stadler (with current NOA)
Insul-Fixx S	3" square	PA 114	3" square 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)
Rawl Fasteners #14		PA 114	Insulation fastener for use in steel, wood or concrete	The Powers Fasteners, Inc. (with current NOA)
Rawl Drive		PA 114	Insulation fastener and steel and plastic stress plate for concrete deck	The Powers Fasteners, Inc. (with current NOA)
Rawl Spike		PA 114	Insulation fastener and steel and plastic stress plate for concrete deck	The Powers Fasteners, Inc. (with current NOA)
Rawl Speed-Lock Toggle Bolt		PA 114	Insulation fastener assembly	The Powers Fasteners, Inc. (with current NOA)



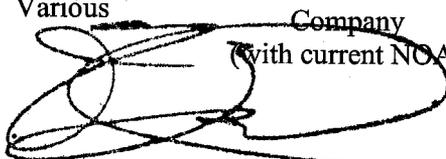
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<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Tru-Fast Ultra		PA 114	Stainless Steel fastener for use in steel, wood and concrete decks	Tru-Fast (with current NOA)
Tru-Fast Plastic Plate	3.04" round	PA 114	3.04" round polyethylene plastic plate	Tru-Fast (with current NOA)
Tru-Fast TP		PA 114	Insulation fastener for use in steel or wood decks	Tru-Fast (with current NOA)
Tru-Fast HD		PA 114	Insulation fastener for use in wood, steel or concrete decks	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)
Tru-Fast DP		PA 114	Insulation fastener for use in steel or wood decks	Tru-Fast
Insulcel		PA 110	Cellular insulating concrete system	W.R. Grace (with current NOA)
Structodeck	various	PA 110	High Density Wood Fiber insulation board.	Wood Fiber Industries (with current NOA)

TABLE 3

APPROVED FASTENERS

<u>Product Name</u>	<u>Description</u>	<u>Dimensions</u>	<u>Manufacturer</u>
Versico HPV	Carbon Steel, Black Coating	Various	Versico, Inc. (with current NOA)
Rawl Spike	Carbon Steel, Black Coating nail with deformed shank	Various	Powers Fasteners, Inc. (with current NOA)
Rawl Drive	Carbon Steel, Black Coating nail with split shank	Various	Powers Fasteners, Inc. (with current NOA)
Carlisle Secure Spike	Carbon Steel, Black Coating with deformed shanks	Various	Carlisle SynTec, Inc. (with current NOA)
Insul-Fixx HD	Steel Tuff-Tite (black or purple)	Various	SFS Stadler, Inc. (with current NOA)
RoofGrip #14	Carbon Steel , SPEX (black), Climaseal (blue)	Various	ITW Buildex Corp. (with current NOA)
RoofGrip Instalock	Carbon Steel , SPEX (blue, gray), Climaseal (blue, red)	Various	ITW Buildex Corp. (with current NOA)
Tru-Fast #14	Carbon Steel , Tru-Kote Coating	Various	The Tru-Fast Company (with current NOA)


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Olympic #14	Heavy Duty Carbon Steel , CR-10 or Answer Coating (black)	Various	Olympic Fasteners (with current NOA)
Dekfast #14	Carbon Steel , Senti (black)	Various	Construction Fasteners, Inc. (with current NOA)

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Architectural Testing Inc.	ATI-17214	Wind Uplift Classification	03/20/96
Architectural Testing Inc.	ATI-17601-01	Wind Uplift Classification	06/29/96
Architectural Testing Inc.	ATI-17601-02	Wind Uplift Classification	07/30/96
Architectural Testing Inc.	ATI-18535	Wind Uplift Classification	10/14/96
Factory Mutual Research Corporation	J.I. 0T8A2.AM	Fire Classification	04/23/91
Factory Mutual Research Corporation	J.I. 0W2A5.AM	Wind Uplift Classification	05/28/93
Factory Mutual Research Corporation	J.I. 2W8A8.AM	Wind Uplift and Fire Classification	09/27/93
Factory Mutual Research Corporation	J.I. 1V3A1.AM	Pullout Test	05/11/92
Factory Mutual Research Corporation	J.I. 2V1A1.AM	Wind Uplift Classification	01/20/93
Factory Mutual Research Corporation	J.I.1B7A5.AM	Wind Uplift and Fire Classification	02/23/98
Factory Mutual Research Corporation	1998 Approval Guide Building Materials	Wind Uplift and Fire Classifications	01/01/98
Factory Mutual Research Corporation	J.I. 2Z3A9.AM	Wind Uplift and Fire Classification	07/30/97
Factory Mutual Research Corporation	J.I. 4B2A1.AM	Wind Uplift Classification	06/11/97
Factory Mutual Research Corporation	J.I.3B8Q4.AM	Wind Uplift Classification	06/04/97
Factory Mutual Research Corporation	J.I. 0B4A7.AM	Wind Uplift Classification	05/29/97
Factory Mutual Research Corporation	J.I. 2B2A1.AM	Wind Uplift Classification	05/29/97
Factory Mutual Research Corporation	J.I. 2Z2A8.AM	Seam Test	05/16/97
Factory Mutual Research Corporation	J.I. 3B5A1.AM	Wind Uplift and Fire Classification	04/28/97
Factory Mutual Research Corporation	J.I.1Z2A7.AM	Fire Classification	03/20/96
Factory Mutual Research Corporation	Letter	Product Equivalent	05/05/95



<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Factory Mutual Research Corporation	J.I. 3Y7Q2.AM	Corrosion Test	03/14/95
Factory Mutual Research Corporation	J.I. 1Y2A1.AM	Seam Test	02/23/95
Factory Mutual Research Corporation	J.I. 2X7A4.AM	Wind Uplift Classification	02/09/95
Factory Mutual Research Corporation	J.I.3X5A2.AM	Hail Damage Testing	07/18/94
Underwriters Laboratories, Inc.	96NK21757	Fire Classification	09/06/96
Underwriters Laboratories, Inc.	96NK10924	Fire Classification	10/31/96
Underwriters Laboratories, Inc.	96NK28871	Fire Classification	11/06/96
Underwriters Laboratories, Inc.	96NK33323	Fire Classification	10/24/97



SYSTEMS

- Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced, Non-reinforced
- Deck Type 3I:** Concrete Decks, Insulated, New Construction
- Deck Description:** 2500 psi structural concrete.
- System Type A-1:** One or more layers of insulation adhered with approved asphalt.

All General and System Limitations apply.

<u>Insulation for Base Layer</u>	<u>Fastener Density/ft²</u>	<u>Fastener Type</u>
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One of the following covered with the boards listed in Top Layer or Base or Top Layer.

Perlite

Minimum: ¾" thick	N/A	N/A
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One or more layers of the following as a Base or Top Layer or over the Base Layer listed above:

ACFoam II, ACFoam Composite, Rhoflex Composite, Fesco Foam, Polyisocyanurate HP-W

Minimum: 1.5" thick	N/A	N/A
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E'NRG'Y-2, PSI-25

Minimum: 1.4" thick	N/A	N/A
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HP Recovery, Structodeck

Minimum: ½" thick	N/A	N/A
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High Density Fiberboard

Minimum: ¾" thick	N/A	N/A
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PYROX, AP, ISO 95+ HF, Rhoflex HF, Multi-Max FA, Polyisocyanurate HP

Minimum: 1.2" thick	N/A	N/A
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UltraGard Gold

Minimum: 1.3" thick	N/A	N/A
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Note: All insulation shall be adhered with a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. Please refer to Roofing Application Standard RAS 117 for insulation attachment requirements.

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

Barrier: None.

Membrane: Versigard II EPDM, Reinforced, II Reinforced FR EPDM, Versigard White/Black EPDM, 45 or 60 mil membrane fully adhered to the concrete deck using G200SA Yellow Substrate Adhesive applied to the substrate at a rate of 1 gal/60 ft², or B-500 applied to the substrate at 1 gal/sq.

Surfacing: (Optional) A two-part surfacing consisting of EM-8 Hapalon applied to clean membrane surfacing after a two week cure at the rate of 1 gal./150 ft.² and silica sand applied into the wet coating at a rate of 35 lb./sq.

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



Membrane Type: Single Ply, Thermoset, EPDM, Reinforced, Nonreinforced.

Deck Type 3: Concrete Decks, Non-insulated, New Construction

Deck Description: 2500 psi structural concrete.

System Type F-1: Membrane fully adhered.

All General and System Limitations apply.

Vapor Retarder: None.

Barrier: None.

Membrane: Versigard II EPDM, Versigard Reinforced, Versigard Reinforced , Versigard White/Black EPDM, 45 or 60 mil membrane fully adhered to concrete deck using 90-8-30 applied to the substrate at a rate of 1 gal/60ft.², or B-500 applied to the substrate at 1 gal/sq.

Surfacing: (Optional) A two-part surfacing consisting of EM-8 Hapalon applied to clean membrane surfacing after a two week cure at the rate of 1 gal./150 ft.² and silica sand applied into the wet coating at a rate of 35 lb./sq.

Maximum Design Pressure: -240 pfs. (See General Limitation #9)



Membrane Type: Single Ply, Thermoset, EPDM, Reinforced, Nonreinforced
Deck Type 3I: Concrete Decks, Insulated, New Construction
Deck Description: 2500 psi structural concrete.
System Type C: All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply.

<u>Insulation for Base Layer</u>	<u>Fastener Density/ft²</u>	<u>Fastener Type</u>
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One of the following covered with the boards listed in Top Layer or Base or Top Layer.

Extruded Polystyrene, Energy-Lok, ACFoam - I

Minimum: 1" thick	N/A	N/A
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Perlite

Minimum: ¾" thick	N/A	N/A
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Note: All insulation layers shall be simultaneously fastened; see Top Layer or Base or Top Layer below for fasteners and density.

One or more layers of the following:

ACFoam II, ACFoam Composite, Rhoflex Composite, Fesco Foam, Polyisocyanurate HP-W, Polyisocyanurate HP

Minimum: 1.5" thick	1:2 ft. ²	Any approved fastener listed in table 3
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E'NRG'Y-2, PSI-25, WHITELINE, PYROX, AP, ISO 95+ HF, Rhoflex HF

Minimum: 1.4" thick	1:2 ft. ²	Any approved fastener listed in table 3
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HP Recovery

Minimum: ½" thick	1:2 ft. ²	Any approved fastener listed in table 3
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High Density Fiberboard

Minimum: ¾" thick	1:2.67 ft. ²	Any approved fastener listed in table 3
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Sturdi Top

Minimum: ½" thick	1:8 ft. ²	Any approved fastener listed in table 3
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Ultra/M-II Iso/glas

Minimum: 1.2" thick	1:2 ft.	Any approved fastener listed in table 3
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Wood Fiber

Minimum: 1" thick	1:2 ft. ²	Any approved fastener listed in table 3
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Fiber Base

Minimum: ½" thick	1:2.9 ft. ²	Any approved fastener listed in table 3
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Required over the insulations listed in Base Layer or optional over any of the insulations listed as Base or Top Layer :

HP Recovery (for use over all insul. types)

Minimum: ½"	1:2 ft. ²	Any approved fastener listed in table 3
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Fiber Base (for use over polyisocyanurate, gypsum or perlite)

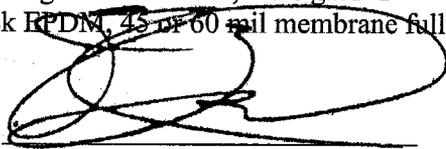
Minimum: ½" thick	1:2.9 ft. ²	Any approved fastener listed in table 3
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Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

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

Barrier: None.

Membrane: Versigard EPDM, Versigard II EPDM, Versigard Reinforced, Versigard II Reinforced EPDM, Versigard White/Black EPDM, 45 or 60 mil membrane fully


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adhered to the concrete deck using G200SA applied to the substrate at a rate of 1 gal/60 ft², or B-500 applied to the substrate at 1 gal/sq.

Surfacing:

(Optional) A two-part surfacing consisting of EM-8 Hapalon applied to clean membrane surfacing after a two week cure at the rate of 1 gal./150 ft.² and silica sand applied into the wet coating at a rate of 35 lb./sq.

**Maximum Design
Pressure:**

-45 psf. (See General Limitation #9)



- Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced
- Deck Type 3I:** Concrete Decks, Insulated, New Construction
- Deck Description:** 2500 psi structural concrete.
- System Type D:** Membrane mechanically attached over preliminary fastened insulation;

All General and System Limitations apply.

<u>Insulation for Base Layer</u>	<u>Fastener Density/ft²</u>	<u>Fastener Type</u>
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One of the following covered with the boards listed in Top Layer or Base or Top Layer.

Extruded Polystyrene, Energy-Lok, ACFoam-I

Minimum: 1" thick	N/A	N/A
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Perlite

Minimum: ¾" thick	N/A	N/A
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One or more layers of the following:

ACFoam II, ACFoam Composite, Rhoflex Composite, Fesco Foam, Polyisocyanurate HP-W

Minimum: 1.5"	N/A	N/A
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E'NRG'Y-2, PSI-25, Polyisocyanurate HP-N, ISO 95+GL, GW, Rhoflex GL, GW

Minimum: 1.4"	N/A	N/A
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HP Recovery, Structodeck, Wood Fiber, Fiber Base

Minimum: ½"	N/A	N/A
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High Density Fiberboard

Minimum: ¾"	N/A	N/A
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WHITELINE, PYROX, AP, Polyisocyanurate HP, Thermax Star AP, TRISTAR, Hy-Therm STABLE R, ISO 95+ HF, Rhoflex HF, Multi-Max FA, Ultra/M-II Iso/glas

Minimum: 1.2"	N/A	N/A
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UltraGard Gold, Isolite E

Minimum: 1.3"	N/A	N/A
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Required over the insulations listed in Base Layer or optional over any of the insulations listed as Base or Top Layer :

HP Recovery (use over all other insul. types)

Minimum: ½" thick	N/A	N/A
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Fiber Base (use over polyisocyanurate, Gypsum or perlite)

Minimum: ½" thick	N/A	N/A
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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.

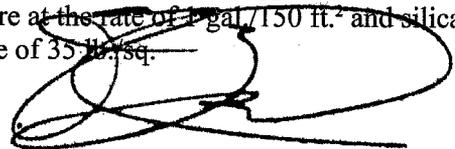
Vapor Retarder: (Optional) Any UL of FMRC approved vapor Retarder applied to the roof deck or over a base layer of insulation.

Barrier: None.

Membrane: Versigard EPDM, Reinforced or Versigard II Reinforced secured through the preliminary attached insulation as specified below.

Fastening: Versico HPV or MPV Concrete Spikes with metal plates 6" o.c. through the reinforced membrane in the lap or throughout a 6" strip 6'6" o.c., and the lap sealed, or the membrane fully adhered to the 6" strip with Versico G300LS-Lap Sealand.

Surfacing: (Optional) A two-part surfacing consisting of EM-8 Hapalon applied to clean membrane surfacing after a two week cure at the rate of 1 gal./150 ft.² and silica sand applied into the wet coating at a rate of 35 lb./sq.



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

Note: No substitution of the below system shall be made.

Insulation: Any approved insulation listed in System Type D above preliminarily fastened in accordance with RAS 117.

Membrane: Versico HPV or MPV Concrete Spikes with metal or poly plates 6" o.c. through the reinforced membrane in the lap or through a 6" strip 6'6" o.c., and the lap sealed, or the membrane fully adhered to the 6" strip with G300LS Lap Adhesive. or, Versico HPV or MPV Concrete Spikes with metal or poly 6" o.c. through the reinforced membrane in the lap or through a 6" strip 9'6" o.c., and the lap sealed, or the membrane fully adhered to the 6" strip with G300LS Lap Adhesive. .
Maximum Design Pressure -52.5 psf. (See General Limitation #7)

Surfacing: (Optional) A two part surfacing consisting of EM-8 Hypalon applied to a clean membrane surface, after a two week cure at the rate of 1 gal./150 ft.² and silica sand applied into the wet coating at a rate of 35 lbs./sq.



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 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 or Architect may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Miami-Dade County 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 calculated in compliance with Miami-Dade County 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 Miami-Dade County Roofing Application Standard RAS 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, 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.)**



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 2 through 15.

END OF THIS ACCEPTANCE



Frank Zuloaga, RRC
Roofing Product Control Examiner