



**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)**

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**Versico Inc.  
1555 Ritner Highway  
Carlisle, PA 17013**

**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: Versico Versigard Single Ply Roof Systems – Lightweight Concrete Decks**

**LABELING:** Each unit shall bear a permanent label with the manufacturer’s name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 01-0504.01 and consists of pages 1 through 6.

The submitted documentation was reviewed by Jorge L. Acebo



**NOA No.: 06-0330.12  
Expiration Date: 06/28/11  
Approval Date: 08/10/06  
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## ROOFING SYSTEM APPROVAL

<b><u>Category:</u></b>	Roofing
<b><u>Sub-Category:</u></b>	Single Ply
<b><u>Material:</u></b>	EPDM
<b><u>Deck Type:</u></b>	Lightweight Concrete
<b><u>Maximum Design Pressure</u></b>	-262.5 psf
<b><u>Fire Classification:</u></b>	See General Limitation #1

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<b><u>Product Name</u></b>	<b><u>Dimensions</u></b>	<b><u>Test Specifications</u></b>	<b><u>Product Description</u></b>
Versigard	various	ASTM D 4637	Non-reinforced EPDM membrane.
Versigard II	various	ASTM D 4637	Non-reinforced, fire retardant EPDM membrane.
Versigard Reinforced	various	ASTM D 4637	Reinforced EPDM membrane.
Versigard Sure-Tough Reinforced			
Versigard Reinforced II	various	ASTM D 4637	Reinforced, fire retardant EPDM membrane.
Versigard Black Versifleece	various	ASTM D 4637	EPDM membrane with fleece backing..
Versifleece AC EPDM 120 mil Membrane			
Versifleece AC EPDM 135 mil Membrane			
Versigard White/Black	various	ASTM D 4637	Non-reinforced white on black EPDM membrane.
Versigard White Versifleece	Various	ASTM D4637	Non-reinforced white on black fleece backed EPDM membrane.
RTS	various	ASTM D 4637	Reinforced securement strip.
CCW 702 Primer	various	TAS 110	Solvent-Based Primer
CCW 702LT Primer	various	TAS 110	Low-Temperature Solvent-Based Primer
CCW 714 Primer	various	TAS 110	Water-Based Primer
CCW 725 Vapor Barrier	various	TAS 110	Vapor Barrier
FAST 100 Adhesive	various	TAS 110	Spray Polyurethane Adhesive
FAST 100-LV Adhesive			
FAST 100-P Adhesive			
FAST 102 Adhesive			
OlyBond 500 BA			
G300LS White Lap Sealant		TAS 110	Lap Sealant for Versigard White/Black or Versigard membranes.
G300LS Black Lap Sealant			
G100B White Seam Adhesive		TAS 110	Splicing Adhesive for EPDM membranes.
G100B White Adhesive			
QA Clear Pak Adhesive Seam Tape		TAS 110	Tape Adhesive for EPDM membranes.



<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
G200SA Yellow Substrate Adhesive		TAS 110	Solvent-based bonding adhesive.
B-500 Latex Bonding Adhesive		TAS 110	Water-based bonding adhesive.
Versico Metal Fastening Bars, ST Fastening Bars	1" wide	TAS 114	Metal bars used for membrane securement.
Aqua Base 120 Bonding Adhesive		TAS 110	Water-based Bonding adhesive.
CP-5067 Cold Process Adhesive		TAS 110	Asphalt-modified polyether adhesive.

**APPROVED INSULATIONS:**

**TABLE 2**

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
N/A	N/A	N/A

**APPROVED FASTENERS:**

**TABLE 3**

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	N/A	N/A	N/A	N/A

**EVIDENCE SUBMITTED**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>	
Architectural Testing Inc.	ATI-17601-01	Wind Uplift Classification	06/29/96	
	ATI-17601-02	Wind Uplift Classification	07/30/96	
Factory Mutual Research Corp.	ATI-18535	Wind Uplift Classification	10/14/96	
	J.I. 2Z3A9.AM	Wind Uplift and Fire Classification	07/30/97	
	J.I. 4B2A1.AM	Wind Uplift Classification	06/11/97	
	J.I.3B8Q4.AM	Wind Uplift Classification	06/04/97	
	J.I. 3B5A1.AM	Wind Uplift and Fire Classification	04/28/97	
	J.I. 2Z2A8.AM	Seam Test	05/16/97	
	J.I. 0B4A7.AM	Wind Uplift Classification	05/29/97	
	J.I. 2B2A1.AM	Wind Uplift Classification	05/29/97	
	J.I.1B7A5.AM	Wind Uplift and Fire Classification	02/23/98	
	J.I. 2D6A6.AM	Wind Uplift Classification	10/7/98	
		3016162	Class 4470	11/25/03
		3009502	Class 4470	12/21/00
		3024994	Class 4450	02/28/06
Underwriters Laboratories, Inc.	3013584	Class 4470	06/27/03	
	3019897	Class 4470	10/07/05	
	3022187	Class 4470	09/15/05	
	3022181	Class 4470	09/01/05	
	3014692	Class 4470	08/05/03	
	96NK21757	Fire Classification	09/06/96	
	96NK10924	Fire Classification	10/31/96	
	96NK28871	Fire Classification	11/06/96	
	96NK33323	Fire Classification	10/24/97	
	02NK46936	UL 790	12/15/03	



## APPROVED ASSEMBLIES

- Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced and Nonreinforced and Fleecebacked  
**Deck Type 4:** Lightweight Concrete, Non-insulated, over Steel Deck  
**Deck Description:** Cellular or Aggregate Lightweight Concrete  
**System Type F-1:** Membrane fully adhered to primed lightweight insulating concrete deck.

### All General and System Limitations apply.

- Vapor Retarder:** None
- Membrane:** Versigard or Versigard White/Black 45 to 90 mil membranes fully adhered to the lightweight deck using G200SA Yellow Substrate Adhesive applied to the substrate at a rate of 1 gal/60 ft.<sup>2</sup> or B-500 Latex Bonding Adhesive applied to the substrate at 1 gal./sq.  
Or  
Versigard Black or White Versifleece 100 or 115 mil membrane fully adhered to the lightweight deck using FAST Adhesive applied to the substrate at a rate of 1 gal/sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft.<sup>2</sup>.
- Surfacing:** ((Optional) A two-part surfacing consisting of G-700HC Hysunite Coating applied at the rate of 1 gal./150 ft.<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Versico Acrylic Coating at a rate 1.5 gal/sq. per coat.
- Maximum Design Pressure:** -45 psf. (See General Limitation #9)

- Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced and Nonreinforced and Fleecebacked  
**Deck Type 4:** Lightweight Concrete, Non-insulated, over Steel Deck  
**Deck Description:** Celcore Cellular Lightweight Concrete over 18-22 ga Steel Deck  
**System Type F-2:** Membrane fully adhered to primed lightweight insulating concrete deck.

### All General and System Limitations apply.

- Deck:** Minimum 22 ga. steel deck secured to supports space at maximum 4 ft o.c. with ITW Buildex Traxx/5 spaced at 6" o.c.
- Vapor Retarder:** None
- Membrane:** Versigard Black or White Versifleece 100 or 115 mil membrane fully adhered to the lightweight deck using FAST Adhesive applied to the substrate at a rate of 1 gal/sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft.<sup>2</sup>.
- Surfacing:** (Optional) A two-part surfacing consisting of G-700HC Hysunite Coating applied at the rate of 1 gal./150 ft.<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Versico Acrylic Coating at a rate 1.5 gal/sq. per coat.
- Maximum Design Pressure:** -90 psf. (See General Limitation #9)



**Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced and Nonreinforced and Fleecebacked  
**Deck Type 4:** Celcore Lightweight Insulating Concrete, over Structural Concrete Deck  
**Deck Description:** Celcore Lightweight Insulating Concrete  
**System Type F-3:** Membrane fully adhered to primed lightweight insulating concrete deck.

**All General and System Limitations apply.**

**Vapor Retarder:** None  
**Membrane:** Versigard or Versigard White/Black 100 or 115 mil membrane fully adhered to the lightweight deck using FAST adhesive applied to the substrate at a rate of 1 gal./sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft<sup>2</sup>.  
**Surfacing:** (Optional) A two-part surfacing consisting of G-700HC Hysunite Coating applied at the rate of 1 gal./150 ft<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Versico Acrylic Coating at a rate 1.5 gal/sq. per coat.  
**Maximum Design Pressure:** -262.5 psf. (See General Limitation #9)

**Membrane Type:** Single Ply, Thermoset, EPDM, Reinforced and Nonreinforced and Fleecebacked  
**Deck Type 4:** Elastizell Range II Lightweight Insulating Concrete, over Structural Concrete Deck  
**Deck Description:** Elastizell Range II Lightweight Insulating Concrete  
**System Type F-4:** Membrane fully adhered to primed lightweight insulating concrete deck.

**All General and System Limitations apply.**

**Vapor Retarder:** None  
**Membrane:** Versigard Black or White Versifleece 100 or 115 mil membrane fully adhered to the lightweight deck using FAST adhesive applied to the substrate at a rate of 1 gal./sq or Aqua Base 120 Bonding Adhesive applied to the substrate at a rate of 1 gal/120 ft<sup>2</sup>.  
**Surfacing:** (Optional) A two-part surfacing consisting of G-700HC Hysunite Coating applied at the rate of 1 gal./150 ft<sup>2</sup> and silica sand applied into the wet coating at a rate of 35 lbs./sq. or two coats of Versico Acrylic Coating at a rate 1.5 gal/sq. per coat.  
**Maximum Design Pressure:** -205 psf. (See General Limitation #9)



## LIGHTWEIGHT INSULATING CONCRETE SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 137, calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.
3. For Systems where specific lightweight insulating concrete is referenced consult current lightweight insulating concrete NOA for specific deck construction and limitations. For systems where specific lightweight insulating concrete is not referenced, the minimum design mix shall be a minimum of 300 psi.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. Insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
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



NOA No.: 06-0330.12  
Expiration Date: 06/28/11  
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