



MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786)315-2590 F (786) 31525-99  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**Sika Sarnafil, A Division of Sika Corp.**  
**100 Dan Road**  
**Canton, MA 02021**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 of the Florida Building Code.

**DESCRIPTION: Sika Sarnafil Waterproofing Systems**

**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. 08-0220.02 and consists of pages 1 through 9.  
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 12-0516.01  
Expiration Date: 04/21/14  
Approval Date: 04/18/13  
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## ROOFING SYSTEM APPROVAL

<b><u>Category:</u></b>	Roofing
<b><u>Sub-Category:</u></b>	Waterproofing
<b><u>Material:</u></b>	PVC
<b><u>Deck Type:</u></b>	Concrete
<b><u>Maximum Design Pressure:</u></b>	-427.5 psf

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

TABLE 1

<b><u>Product</u></b>	<b><u>Dimensions</u></b>	<b><u>Test Specification</u></b>	<b><u>Product Description</u></b>
G410 Feltback	Various	ASTM D 4434	Fiberglass reinforced PVC roofing membrane with a non-woven felt backing.
Sarnafil G445 Protection Course	Various	Proprietary	Thermoplastic protection layer made with recycled PVC.
Sarnacol 2170	5 gallons	Proprietary	Solvent based bonding adhesive.
Sarnacol 2121	5 gallons	Proprietary	Water based bonding adhesive.

### APPROVED INSULATIONS:

TABLE 2

<b><u>Product Name</u></b>	<b><u>Product Description</u></b>	<b><u>Manufacturer (With Current NOA)</u></b>
ISO 95+ GL, RESISTA	Polyisocyanurate foam insulation	Firestone Building Products Co. LLC
ENRGY 3, ENRGY 3 25 PSI	Polyisocyanurate foam insulation	Johns Manville Corp.
ACFoam-II, ACFoam III, ACFoam IV, ACFoam Supreme	Polyisocyanurate foam insulation	Atlas Roofing Corporation
Multi-Max-3, Multi-Max FA-3, Thermarroof-3	Polyisocyanurate roof insulation	RMax Operating, LLC

### APPROVED FASTENERS:

TABLE 3

<b><u>Fastener Number</u></b>	<b><u>Product Name</u></b>	<b><u>Product Description</u></b>	<b><u>Dimensions</u></b>	<b><u>Manufacturer (With Current NOA)</u></b>
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>
Factory Mutual Research Corporation	J.I.2X2A5.AM	FM 4470	07/31/94
	J.I. 4B3A2.AM	FM 4470	06/19/97
	J.I. IZ5A6.AM	FM 4470	07/18/97
	J.I. OB9A0.AM	FM 4470	10/22/96
	2B8A4.AM	FM 4470	07/02/97
	J.I. 1Z5A6.AM	FM 4470	07/18/97
	J.I. 4B3A2.AM	FM 4470	06/19/97
	J.I. 0B9A0.AM	FM 4470	10/22/96
	3001396	FM 4470	05/28/99
Trinity ERD	ASTM D2196/D2369	S42480.08.12	08/20/12
Underwriters Laboratories, Inc.	R8992	UL 790	03/20/13
IRT of S. Florida	99023	TAS 114-D	06/30/99
	99024	TAS 114-D	06/30/99
	99025	TAS 114-D	06/30/99
	99026	TAS 114-D	06/30/99



## APPROVED ASSEMBLIES

**Deck Type 3I:** Concrete, Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type A(1):** Insulation Adhered to primed deck; membrane subsequently adhered to insulation layer.

**All General and System Limitations shall apply.**

**Primer:** Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry.

<b>Insulation Layer</b>	<b>Insulation Fasteners</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Any (Min. 35 psi ) Approved Polyisocyanurate in Table 2 (Flat or Tapered) Minimum 1.5" thick</b>	N/A	N/A

**Note: All insulation shall be adhered to the primed deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

**Membrane:** Apply Sarnacol 2170 Adhesive over insulation roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G410 Feltback roof membrane adhered with Sarnacol 2170 Adhesive additionally applied at a rate of 1 gal./sq.

### Integrity

**Test:** Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required. Verify that the structure can support the dead load weight of a watertight test before proceeding.

### Protection

**Course:** Sarnafil G445 Protection Course, protection layer shall be adhered with Sarnacol 2170 Adhesive roller applied at a rate of 1 gal./sq. Top side of protection layer shall be covered with a film of Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a ¼" notched squeegee.

**Inspection:** Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected

**Surfacing:** Poured in place minimum 2" thick reinforced concrete slab.

### Maximum Design

**Pressure:** -367.5 psf (See General Limitation #9)



**Deck Type 3I:** Concrete, Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type A(2):** Insulation Adhered to primed deck; membrane subsequently adhered to insulation layer.

**All General and System Limitations shall apply.**

**Primer:** Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry.

<b>Insulation Layer</b>	<b>Insulation Fasteners</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Any (Min. 35 psi ) Approved Polyisocyanurate in Table 2 (Flat or Tapered)</b>		
<b>Minimum 1.5" thick</b>	N/A	N/A

**Note: All insulation shall be adhered to the primed deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

**Membrane:** Apply Sarnacol 2170 Adhesive over insulation roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G410 Feltback roof membrane adhered with Sarnacol 2170 Adhesive additionally applied at a rate of 1 gal./sq.

**Integrity**

**Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required. Verify that the structure can support the dead load weight of a watertight test before proceeding.

**Protection**

**Course:** Sarnafil G445 Protection Course, protection layer shall be adhered with Sarnacol 2170 Adhesive roller applied at a rate of 1 gal./sq. Top side of protection layer shall be cover with a film of Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a ¼" notched squeegee.

**Inspection:** Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected

**Surfacing:** Minimum 12" x 12" x 1" exterior grade saltillo clay tiles set into ½" thick bed of exterior grade thinset.  
Or  
Minimum 12" x 12" x 2" Concrete pavers (ASTM C936) adhered to protection course with Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a ¼" notched squeegee.

**Maximum Design**

**Pressure:** -367.5 psf (See General Limitation #9)



**Deck Type 3:** Concrete, Non-Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type F(1):** Membrane adhered directly to concrete deck.

**All General and System Limitations shall apply.**

**Membrane:** Apply Sarnacol 2170 Adhesive to the concrete deck roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G410 Feltback roof membrane adhered with Sarnacol 2170 Adhesive additionally applied at a rate of 1 gal./sq.

**Integrity**

**Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required. Verify that the structure can support the dead load weight of a watertight test before proceeding.

**Protection**

**Course:** Sarnafil G445 Protection Course, protection layer shall be adhered with Sarnacol 2170 Adhesive roller applied at a rate of 1 gal./sq. Top side of protection layer shall be cover with a film of Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a 1/4" notched squeegee.

**Inspection:** Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

**Surfacing:** Poured in place minimum 2" thick reinforced concrete slab.

**Maximum Design**

**Pressure:** -427.5 psf (See General Limitation #9)



**Deck Type 3:** Concrete, Non-Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type F(2):** Membrane adhered directly to primed concrete deck.

**All General and System Limitations shall apply.**

**Primer:** Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry.

**Membrane:** Apply Sarnacol 2170 Adhesive to the primed concrete deck roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G410 Feltback roof membrane adhered with Sarnacol 2170 Adhesive additionally applied at a rate of 1 gal./sq.

**Integrity**

**Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required. Verify that the structure can support the dead load weight of a watertight test before proceeding.

**Protection**

**Course:** Apply over membrane Sarnacol 2170 Adhesive roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G445 Protection Course, protection course is adhered with Sarnacol 2170 Adhesive additionally roller applied at a rate of 1 gal./sq.

**Inspection:** Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected

**Surfacing:** Minimum 12" x 12" x 2" Concrete pavers (ASTM C936) adhered to protection course with Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a 1/4" notched squeegee.

**Maximum Design**

**Pressure:** -427.5 psf (See General Limitation #9)



**Deck Type 3:** Concrete, Non-Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type F(3):** Membrane adhered directly to concrete deck.

**All General and System Limitations shall apply.**

**Membrane:** Sarnafil G410 Feltback membrane shall be adhered to the concrete deck with Sarnacol 2121 Adhesive squeegee applied at a rate of 2 gal./sq.

**Integrity**

**Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required. Verify that the structure can support the dead load weight of a watertight test before proceeding.

**Protection**

**Course:** Apply over membrane Sarnacol 2170 Adhesive roller applied at a rate of 1 to 1.25 gal./sq. and allowed to dry as primer. Followed with Sarnafil G445 Protection Course, protection course is additionally adhered with Sarnacol 2170 Adhesive roller applied at a rate of 1 gal./sq. Top side of protection layer shall be cover with a film of Sarnacol 2121 Adhesive applied at rate of 2.25 gal./sq. using a ¼” notched squeegee.

**Inspection:** Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected

**Surfacing:** 12” x 12” x 1” exterior grade saltillo clay tiles set into ½” thick bed of exterior grade thinset.

**Maximum Design**

**Pressure:** -407.5 psf (See General Limitation #9)



## 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. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.
3. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be a Manufacturer Trained 'Qualified Applicator' approved by Sika Sarnafil.
4. Flashings shall be installed according to the manufacturer's published standard details and shall be submitted to the Building Official for review.
5. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
6. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
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 9N-3 of the Florida Administrative Code.
11. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



**END OF THIS ACCEPTANCE**

