MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071

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: Sikalastic RoofPro 621 TC, 641 Lo-VOC Systems over Steel 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 revises NOA No. 18-0228.14 and consists of pages 1 through 15.
The submitted documentation was reviewed by Hamley Pacheco, P.E.

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Systems
Deck Type: Steel
Material: Polyurethane
Maximum Pressure: -105 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Sikalastic 621 TC	5 gal.	ASTM D7311	A single component, moisture triggered; aliphatic polyurethane elastomeric coating Used as a UV stable top coat which is available in a variety of colors.
Sikalastic 601 BC	5 gal.	ASTM D7311	An elastomeric high-build single-pack polyurethane compound used as an embedment coat.
Sikalastic 641 Lo-VOC	5 gal.	ASTM D7311	A cold applied, aliphatic, single component, moisture triggered; polyurethane resins with fiberglass mat or polyester fleece reinforcement to create a seamless membrane and flashing system.
Reemat Premium	51" x 420' Roll	Proprietary	A random woven fiberglass reinforcement scrim which is capable of stretching within the membrane to accommodate a high degree of thermal and structural movement.
SikaFleece 120, SikaFleece 140, SikaFleece 170	48" x 150' Roll	Proprietary	A non-woven needle-punched polyester fleece which is capable of stretching within the membrane to accommodate a high degree of thermal and structural movement.
Sarnavap SA	45" x 134' Roll	Proprietary	Self-adhesive vapor barrier
Sarnavap SA Primer	5 gal.	Proprietary	Solvent-based primer
Sarnavap SA Primer WB	5 gal.	Proprietary	Water-borner polymeric emulsion primer
Sika Bonding Primer	5 gal. kit	Proprietary	Two-component water- based epoxy primer.
Sarnacol OM Board Adhesive	Various	Proprietary	Two-component urethane low-rise foam adhesive for insulation and cover boards
Sikalastic EP Primer/Sealer	1 gal	Proprietary	Consists of two-components: an epoxy resin and an activator.
Sika Concrete Primer Lo-VOC	5 gal	Proprietary	Cold applied, single-component, low-odor moisture-curing polyurethane primer for use with Sikalastic RoofPro Systems.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II	Polyisocyanurate foam insulation with fiber-reinforced organic facers.	Atlas Roofing Corporation
H-Shield	Polyisocyanurate foam insulation with fiber-reinforced organic facers.	Hunter Panels, LLC
Sarnatherm (a)	Polyisocyanurate foam insulation.	Sika Corporation
Sarnatherm	Polyisocyanurate foam insulation.	Sika Corporation
DensDeck Prime	Fire resistant treated gypsum board, glass mat facings on front and back.	Georgia-Pacific Gypsum LLC
SECUROCK Gypsum-Fiber Roof Board	Fire resistant treated gypsum-based board	United States Gypsum Corporation
SECUROCK Cement Roof Board	A rigid, gypsum based board stock for use as a cover board, parapet, fire barrier or thermal barrier roof board.	United States Gypsum Corporation

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	#12 Standard Roofgrip	Wood and steel roofing insulation fastener	1 5/8" to 8"	OMG, Inc.
2.	OMG Heavy Duty	Wood and steel roofing insulation fastener	1 ¼" to 24"	OMG, Inc.
3.	OMG 3" Galvalume Steel Plate	Fastener insulation plate	3" diameter	OMG, Inc.
4.	Sarnafastener #12 Fastener	Wood and steel roofing insulation fastener	1 5/8" to 8"	Sika Corporation
5.	Sarnafastener #14 Fastener	Wood and steel roofing insulation fastener	1 ¼" to 24"	Sika Corporation
6.	Sarnaplate 3" Galvalume Steel Plates	Fastener insulation plate	3" diameter	Sika Corporation
7.	OMG Olybond 500	Two-component, low-rise polyurethane foam adhesive	10-gallon Bag-in-Box sets or 1,500 ml cartridges	OMG, Inc.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Specification	Date
Factory Mutual Research Corp.	3040555	FM 4470	08/30/10
	3049736	FM 4470	06/02/14
	3046387	FM 4470	04/12/13
	3048085	FM 4470	02/07/14
PRI Construction Materials Technologies LLC	LPI-048-02-01	Physical Properties	07/30/14
	LPI-048-02-02	ASTM D1970	07/30/14
	LPI-045-02-01	ASTM D7311	12/04/14
	LPI-072-02-01	ASTM D 4541	03/20/17
	LPI-078-02-01.1	ASTM D 562/ASTM D 1475/ASTM D 1644/ ASTM D 96	08/29/17
	LPI-046-02-01	ASTM C297	11/20/14
	LPI-052-02-01	ASTM C836	12/18/14

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

Engineer/Agency	Identifier	Assemblies:	Date
FM Approval Deck Limitation	RoofNav Listing	B(1), B(2), B(3), B(4), B(5) and B(6)	01/01/13

APPROVED ASSEMBLIES:

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table

System Type B(1): Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2).

Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 1.5" Thick	**1,2,3,4,5,6**	**1:2**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Cement Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation layer is primed with Sika Bonding Primer, or Sika Concrete Primer Lo-VOC through roller method at a rate of 200 ft^2 per gal. or Sikalastic EP Primer/Sealer through roller method at a rate of 300 ft^2 per gallon.

Base Coat: Apply an embedment coat of Sikalastic 601 BC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area to DensDeck Prime or SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Lo-VOC or Sika Bonding Primer.

Or

Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area to DensDeck Prime or SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Lo-VOC or Sika Bonding Primer.

Ply Sheet:	Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.
Intermediate Coat: (Optional)	An intermediate coat of Sikalastic 621 TC is applied at a rate of 2.5 gal./square (1.0 L/m^2).
Top Coat:	A top coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).
Maximum Design Pressure:	-60 psf. (See General Limitation #7)

Deck Type 2I: Steel, Insulated

Deck Description:

1. Minimum 20 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 6 ft. o.c.
2. Minimum 22 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 69" o.c.
3. Minimum 22 gauge (0.0295 in.), Grade 80, steel deck is secured to supports spaced 6 ft. o.c.

Deck secured with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table

System Type B(2): Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2).

Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 1.5" Thick	**1,2,3,4,5,6**	**1:1**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Cement Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation layer is primed with Sika Bonding Primer, or Sika Concrete Primer Lo-VOC through roller method at a rate of 200 ft^2 per gal. or Sikalastic EP Primer/Sealer through roller method at a rate of 300 ft^2 per gallon.

Base Coat: Apply an embedment coat of Sikalastic 601 BC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area to DensDeck Prime or SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Lo-VOC or Sika Bonding Primer.

Or

Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area to DensDeck Prime or SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Lo-VOC or Sika Bonding Primer.

Ply Sheet:	Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.
Intermediate Coat: (Optional)	An intermediate coat of Sikalastic 621 TC is applied at a rate of 2.5 gal./square (1.0 L/m^2).
Top Coat:	A top coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).
Maximum Design Pressure:	-90 psf. with SECUROCK Gypsum-Fiber or DensDeck Prime (See General Limitation #7) -90 psf. with SECUROCK Cement Roof Board over Grade 80 steel deck (See General Limitation #7) -82.5 psf. with SECUROCK Cement Roof Board over Grade 33 steel deck (See General Limitation #7)

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 gauge (0.0295 in.), **see maximum design pressure below for Grade**, A653 or A1008 SS steel deck is secured to supports spaced 6 ft. o.c. with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table

System Type B(3): Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2).

Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 2" Thick	**1,2,3,4,5,6**	**1:1**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Cement Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation layer is primed with Sika Bonding Primer, or Sika Concrete Primer Lo-VOC through roller method at a rate of 200 ft^2 per gal. or Sikalastic EP Primer/Sealer through roller method at a rate of 300 ft^2 per gallon.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq. to the prepared area to SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Low-VOC or Sika Bonding Primer.

Or

Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq.to the prepared area to DensDeck Prime primed with Sikalastic EP Primer/Sealer or Sika Bonding Primer.
Or

Apply an embedment coat of Sikalastic 601 BC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq. to the prepared area to SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, or Sika Concrete Primer Lo-VOC

Ply Sheet:	SikaFleece 120 (to Base Coat applied at 3 gal./sq.), SikaFleece 140 (to Base Coat applied at 3.1 gal./sq.), or SikaFleece 170 (to Base Coat applied at 3.8 gal./sq.) is applied with minimum 3" wide side laps,and min. 6' wide end laps, directly into the wet embedment coat and rolled to ensure contact.
Top Coat:	Immediately apply a top coat of Sikalastic 621 TC at a rate of 2 gal./sq. to SikaFleece 120, at a rate of 2.2 gal./sq. to SikaFleece 140, or at a rate of 2.5 gal./sq. to SikaFleece 170.
Maximum Design Pressure:	-82.5 psf. on SS Grade 33 deck (See General Limitation #7) -105 psf. on SS Grade 80 deck (See General Limitation #7)

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 gauge (0.0295 in.), Grade 33, A653 or A1008 SS steel deck is secured to supports spaced 5.4 ft. o.c. with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table

System Type B(4): Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2).

Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 2" Thick	**1,2,3,4,5,6**	**1:1**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Cement Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation layer is primed with, Sika Bonding Primer, or Sika Concrete Primer Lo-VOC through roller method at a rate of 200 ft^2 per gal. or Sikalastic EP Primer/Sealer through roller method at a rate of 300 ft^2 per gallon.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq. to the prepared area to SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, Sika Concrete Primer Lo-VOC or Sika Bonding Primer.

Or

Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq. to the prepared area to DensDeck Prime primed with Sika Concrete Primer, Sikalastic EP Primer/Sealer or Sika Bonding Primer.
Or

Apply an embedment coat of Sikalastic 601 BC at a rate of 3 gal./sq., 3.1 gal./sq., or 3.8 gal./sq. to the prepared area to SECUROCK Gypsum Fiber Roof Board primed with Sikalastic EP Primer/Sealer, or Sika Concrete Primer Lo-VOC

Ply Sheet:	SikaFleece 120 (to Base Coat applied at 3 gal./sq.), SikaFleece 140 (to Base Coat applied at 3.1 gal./sq.), or SikaFleece 170 (to Base Coat applied at 3.8 gal./sq.) is applied with minimum 3" wide side laps, and min. , 6' wide end laps directly into the wet embedment coat and rolled to ensure contact.
Top Coat:	Immediately apply a top coat of Sikalastic 621 TC at a rate of 2 gal./sq. to SikaFleece 120, at a rate of 2.2 gal./sq. to SikaFleece 140, or at a rate of 2.5 gal./sq. to SikaFleece 170.)
Maximum Design Pressure:	-105 psf. with SECUROCK Gypsum-Fiber or DensDeck Prime (See General Limitation #7) -82.5 psf. with SECUROCK Cement Roof Board (See General Limitation #7)

Deck Type 2I:	Steel, Insulated
Deck Description:	Minimum 22 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps. **This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table**
System Type B(5):	Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional)	All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants. Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2). Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 1.5" Thick	**1,2,3,4,5,6**	**1:2**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Coat:	Apply an embedment coat of Sikalastic 641 Lo-VOC at a rate of 3 gal./square to top insulation layer.
Ply Sheet:	Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.
Intermediate Coat: (Optional)	An intermediate coat of Sikalastic 641 Lo-VOC at a rate of 2 gal./square.
Top Coat:	A top coat of Sikalastic 641 Lo-VOC at a rate of 1.5 to 2 gal./square.
Maximum Design Pressure:	-60 psf. (See General Limitation #7)

Deck Type 2I: Steel, Insulated

Deck Description:

1. Minimum 20 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 6 ft. o.c.
2. Minimum 22 gauge (0.0295 in.), Grade 33, steel deck is secured to supports spaced 69" o.c.
3. Minimum 22 gauge (0.0295 in.), Grade 80, steel deck is secured to supports spaced 6 ft. o.c.

Deck secured with Traxx/5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx/1 fasteners 24" o.c. at the side laps.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table

System Type B(6): Base layer of insulation mechanically attached, top layer adhered with approved adhesive.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap SA Primer or Sarnavap SA Primer WB at a rate of 1.0 gal./square (1.0 L/m^2).

Apply one ply of Sarnavap SA membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm (a) Minimum 1.5" Thick	**1,2,3,4,5,6**	**1:1**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" Thick	**N/A**	**N/A**

Note: Top insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Board Adhesive at a rate of ¾ - 1" beads spaced 12" apart to the base insulation layer. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Coat: Apply an embedment coat of Sikalastic 641 Lo-VOC at a rate of 3 gal./square to top insulation layer.

Ply Sheet: Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Intermediate Coat: (Optional) An intermediate coat of Sikalastic 641 Lo-VOC at a rate of 2 gal./square.

Top Coat: A top coat of Sikalastic 641 Lo-VOC at a rate of 1.5 to 2 gal./square.

Maximum Design Pressure: -90 psf. (See General Limitation #7)

STEEL DECK 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 fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida Registered Professional Engineer, Registered 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.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./ sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./ sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of –45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered 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 with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE