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)

Siplast, Inc.
1111 Highway 67 South
Arkadelphia, AR 71923

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: Siplast Self-Adhered Modified Bitumen Roof Systems over 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.

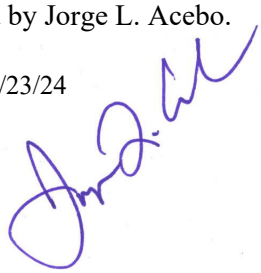
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this 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 NOA No. 22-1020.07 and consists of pages 1 through 12.
The submitted documentation was reviewed by Jorge L. Acebo.

05/23/24



MIAMI-DADE COUNTY APPROVED

NOA No.: 23-0403.04
Expiration Date: 04/14/25
Approval Date: 05/23/24

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Deck Type: Concrete
Material: SBS
Maximum Design Pressure: -405 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Paradiene 20 TS SA	3.28' x 33.5' 76 lbs./sq.	ASTM D6163	High performance, semi adhered, self adhesive, SBS modified bitumen with random fiberglass mat reinforcement used as a base ply of Paradiene 20/30 systems.
Paradiene 20 SA	3.28' x 33.5' 72 lbs./sq.	ASTM D6163	High performance, self adhesive, SBS modified bitumen with random fiberglass mat reinforcement used as a utility sheet.
Paradiene 30 FR	3.28' x 33.5' 85 lbs./sq.	ASTM D6163	Asphalt elastomer sheet with mineral surfacing and random glass mat reinforcement, for use as the top ply of a Paradiene 20/30 system.
Paradiene 30 HT FR	3.28' x 33.5' 87 lbs./sq.	ASTM D6163	Fire-rated asphalt elastomer sheet with mineral surfacing and fiberglass scrim reinforcement for use as the top ply of a Paradiene 20/30 FR system.
Paradiene 30 FR TG	3.28' x 25.25' 80 lbs./sq.	ASTM D6163	Fire rated asphalt elastomer sheet with mineral surfacing and random fiberglass mat reinforcement for use as the top ply sheet of a Paradiene 20/30 TG Series system.
Paradiene 30 HT FR TG	3.28' x 25.25' 80 lbs./sq.	ASTM D6163	Fire rated asphalt elastomer sheet with mineral surfacing and fiberglass scrim reinforcement for use as the top ply of a Paradiene TG Series system.
Parafor 50 LT	3.28' x 17.5' 114 lbs./sq.	ASTM D6162	Heavy duty asphalt elastomer sheet with mineral surfacing, polyester mat/fiberglass scrim reinforced.
Parafor 50 TG	3.28' x 17.5' 114 lbs./sq.	ASTM D6162	Heavy duty asphalt elastomer sheet with mineral surfacing, polyester mat/fiberglass scrim reinforced.
Parafast Insulation Adhesive C	Box of four 4 1,500 ml cartridges	Proprietary	Quick curing, two-component, bead- applied polyurethane adhesive
Veral Aluminum	3.28' x 33.5' 90 lbs./sq.	ASTM D6298	Aluminum clad asphalt elastomer sheet with woven fiberglass reinforcement for use as the top ply sheet of a Veral system.
PA 311/311 M	5 or 55 gal.	ASTM D4479	Blend of adhesive asphalts and quick-drying solvents.

Product	Dimensions	Test Specification	Product Description
PA 828	5 gal.	ASTM D4586	Flashing Cement
PA 1021	5 gal.	ASTM D4586	Asphalt cutback reinforced general purpose cement with non-asbestos fibers.
PA 1125	5 or 55 gal.	ASTM D41	Asphalt primer.
PC – 227	5 or 55 gal	ASTM D6083	Elastomeric roof coating.
Para-Stik Insulation Adhesive	30 lb pressurized cylinders	Proprietary	A single component moisture curing Urethane foam adhesive

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Paratherm W	Polyisocyanurate Insulation	Siplast
ACFoam II, ACFoam III	Polyisocyanurate Insulation	Atlas Roofing Corp.
DensDeck Prime, DensDeck	Water resistant gypsum	Georgia-Pacific Gypsum LLC
H-Shield	Polyisocyanurate Foam Insulation.	Hunter Panels LLC
ENRGY 3	Polyisocyanurate Insulation.	Johns Manville
SECUROCK Gypsum-Fiber Roof Board	Water resistant recycled cellulose and synthetic gypsum	US Gypsum Corporation
Paratherm H Paratherm H tapered	Polyisocyanurate Insulation	Siplast
ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI	Isocyanurate Insulation with glass reinforced facers	Johns Manville
SECUROCK Cement Roof Board	A rigid, gypsum-based board stock for use as a cover board, parapet, fire barrier or thermal barrier roof board	US Gypsum Corporation
EnergyGuard Polyiso Insulation	Polyiso insulation with fiberglass reinforced organic facers, Flat and Tapered	GAF
EnergyGuard Ultra Polyiso Insulation	Polyiso insulation with coated fiberglass facers, Flat and Tapered	GAF
Paratherm G	Polyiso insulation with fiberglass reinforced organic facers	Siplast, Inc.
Paratherm G CG	Polyiso insulation with coated fiberglass facers	Siplast, Inc.
Paratherm N Paratherm N Tapered	Polyisocyanurate Insulation	Siplast, Inc.
Paratherm N CG Paratherm N CG Tapered	Polyisocyanurate Insulation with Coated Glass Facer	Siplast, Inc.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Paratherm N 25 psi CG Paratherm N 25 psi CG Tapered	25 psi Polyisocyanurate Insulation with Coated Glass Facer	Siplast, Inc.

APPROVED FASTENERS / ADHESIVES:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
N/A	Insta-Stik Quick Set Insulation Adhesive	Single component polyurethane adhesive	30 lb. unit	The Dow Chemical Co.

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
FM Approvals	FM 4470	3008071	01/18/01
	FM 4470	3008210	04/10/01
	FM 4470	3015680	11/24/03
	FM 4470	3023079	05/12/06
	FM 4450	3037540	10/20/10
	FM 4470	3048066	04/13/15
Exterior Research & Design, LLC.	TAS 117	C8500SC.11.07	11/30/07
PRI Construction Materials Technologies LLC	TAS 114-D	SRI-093-02-01A	12/08/16
	ASTM D6083	SRI-101-02-02	04/21/17
	ASTM D3019	SRI-101-02-01	02/17/17
	ASTM D6083	SRI-102-02-02	04/21/17
	ASTM D6163	SRI-104-02-01	01/25/18
	ASTM D6163	SRI-106-02-01	01/03/18
	ASTM D6163	SRI-116-02-02.1	08/15/18
	ASTM D6163	SRI-125-02-03	08/21/19
	ASTM D6163	SRI-126-02-03	08/21/19
	ASTM D6162	SRI-127-02-03	09/09/19
	ASTM D6298	824T0098	03/21/23

APPROVED ASSEMBLIES

Membrane Type: SBS/SBS Foil

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(1): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
Paratherm H, ACFoam-II, Paratherm W, H-Shield Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
DensDeck Prime Minimum ¼" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with PA-1125 primer and allowed to dry prior to application of insulation. All insulation shall be adhered in Insta-Stik/Para-Stik adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 TS SA self-adhered sheet applied onto insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR TG, 30 HT FR TG, Parafor 50 TG, or Veral Aluminum adhered by torch onto the base sheet.

Note: **Refer to manufacturer's specifications for specific application requirements.**

Maximum Design Pressure: -90 psf. (See General Limitation #9)

Membrane Type: SBS/SBS Foil

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(2): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
Paratherm H, H-Shield Minimum 1.5" thick	**N/A**	**N/A**
AC Foam III Minimum 2" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered in Insta-Stik Quick Set Insulation Adhesive/Para-Stik Insulation Adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 TS SA self-adhered sheet applied onto insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR TG, 30 HT FR TG, Parafor 50 TG, or Veral Aluminum adhered by torch onto the base sheet.

Note: Refer to manufacturer's specifications for specific application requirements.

Maximum Design Pressure: -157.5 psf. using Paratherm and H-Shield (See General Limitation #9)
-165 psf. using AC Foam III (See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(3): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
ACFoam II, Paratherm W, H-Shield, Paratherm H Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
DensDeck Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Insta-Stik Quick Set Insulation Adhesive/Para-Stik Insulation Adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 SA base membrane is self-adhered to the insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR, 30 HT FR, or Parafor 50 LT adhered in PA 311/311M adhesive applied at a rate of 1.5-2.5 gal/square onto the base sheet.

Note: **Refer to manufacturer's specifications for specific application requirements.**

Maximum Design Pressure: -187.5 psf. using ACFoam II (See General Limitation #9)
-157.5 psf. using H-Shield (See General Limitation #9)

Membrane Type: SBS/SBS Foil

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(4): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
ACFoam II, Paratherm W, H-Shield, Paratherm H Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
DensDeck Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Insta-Stik Quick Set Insulation Adhesive/Para-Stik Insulation Adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 SA base membrane is self-adhered to the insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR TG, 30 HT FR TG, Parafor 50 TG, or Veral Aluminum surfacing membrane is torch adhered onto the base sheet.

Note: **Refer to manufacturer's specifications for specific application requirements.**

Maximum Design Pressure: -405 psf. (See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(5): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
ACFoam II, Paratherm W Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Insta-Stik Quick Set Insulation Adhesive/Para-Stik Insulation Adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 SA base membrane is self-adhered to the insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR, 30 HT FR, or Parafor 50 LT adhered in PA 311/311M adhesive applied at a rate of 1.5-2.5 gal/square onto the base sheet.

Note: **Refer to manufacturer's specifications for specific application requirements.**

Maximum Design Pressure: -112.5 psf. (See General Limitation #9)

Membrane Type: SBS/SBS Foil

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(6): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
ACFoam II, Paratherm W, H-Shield, Paratherm H Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Insta-Stik Quick Set Insulation Adhesive/Para-Stik Insulation Adhesive applied in continuous ¾" to 1" wide beads at a maximum spacing of 12" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet: Paradiene 20 SA base membrane is self-adhered to the insulation layer.

Ply Sheet: None.

Membrane: Paradiene 30 FR TG, 30 HT FR TG, Parafor 50 TG, or Veral Aluminum surfacing membrane is torch adhered onto the base sheet.

Note: **Refer to manufacturer's specifications for specific application requirements.**

Maximum Design Pressure: -255 psf. (See General Limitation #9)

Membrane Type: SBS/SBS Foil

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(7): All layers of insulation adhered to deck with approved asphalt or adhesive.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG		
Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board		
Minimum 0.5" thick	**N/A**	**N/A**
SECUROCK Cement Roof Board		
Minimum 0.5" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Parafast Insulation Adhesive C applied in continuous ¾" wide beads at a maximum spacing of 6" o.c. 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. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet:	Paradiene 20 SA base membrane is self-adhered to the cover board primed with PA-1125 Asphalt Primer roller applied at a rate of 250-ft/gal.
Membrane:	Paradiene 30 FR TG surfacing membrane is torch adhered onto the base sheet.
Maximum Design Pressure:	-262.5 psf. with SECUROCK Gypsum-Fiber Roof Board (See General Limitation #9) -180 psf. with SECUROCK Cement Roof Board (See General Limitation #9)

CONCRETE 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 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 Professional Engineer, Registered Architect, or Registered Roof Consultant.

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 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE