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 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 renews and revises NOA No. 18-0620.03 and consists of pages 1 through 8.

The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Modified Bitumen
Deck Type:	Steel
Material:	SBS
Maximum Design Pressure:	-97.5 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 TG	3.28’ x 17.5’ 141 lbs./sq.	ASTM D6162	Heavy duty asphalt elastomer sheet with mineral surfacing, polyester mat/fiberglass scrim reinforced.
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.

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	Water resistant gypsum	Georgia-Pacific Gypsum LLC
H-Shield H-Shield Tapered	Polyisocyanurate foam insulation	Hunter Panels, LLC
Paratherm H Paratherm H Tapered	Polyisocyanurate Insulation	Siplast

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	#12 Standard Roofgrip	Phillips head, modified buttress thread, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. Length, #3 Phillips Head	OMG, Inc.
2.	Parafast Roofing Fasteners	Phillips head, modified buttress thread, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. Length, #3 Phillips Head	Siplast, Inc.
3.	125 Tri Rib Plates	Round galvalume plated steel stress plate with reinforcing ribs for use with OMG fasteners.	3" round	Siplast, Inc.
4.	OMG XHD	Truss head, self-drilling, pinch point, high thread fastener for use in wood, steel or concrete decks.	#15 x 16"max. length; #3 Phillips Head	OMG, Inc.
5.	3 in. Ribbed Galvalume Plate	Round galvalume plated steel stress plate with reinforcing ribs for use with OMG fasteners.	3" round	OMG, Inc.
6.	Parafast XHD Fasteners	Truss head, self-drilling, pinch point, high thread fastener for use in wood, steel or concrete decks.	#15 x 16"max. length; #3 Phillips Head	Siplast, Inc.

EVIDENCE SUBMITTED

Test Agency/Identifier	Name	Report	Date
FM Approvals	FM 4470	3031655	05/27/08
	FM 4470	3015680	11/26/03
Trinity-ERD	TAS 117	C8500SC.11.07	11/30/07
PRI Construction Materials Technologies LLC	ASTM D 6163	SRI-104-02-01	01/25/18
	ASTM D 6163	SRI-125-02-03	08/21/19
	ASTM D 6163	SRI-126-02-03	08/21/19
	ASTM D 6162	SRI-127-02-03	09/09/19
	ASTM D 6298	824T0098	03/21/23

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

Engineer/Agency	Identifier	Assemblies	Date
FM Approval Deck Limitations	N/A	C(3)	01/01/13

APPROVED ASSEMBLIES

Membrane Type: SBS/SBS Foil

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. 33 ksi

System Type C(1): All layers of insulation mechanically fastened to roof deck. Base sheet is self-adhered. Membrane is subsequently adhered to the base sheet.

All General and System limitations apply.

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

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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.

Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
DensDeck Prime Minimum ¼" thick	**1 & 5 or 2 & 3**	**1:2.67 ft^2**

Base Sheet: Paradiene 20 TS SA self-adhered to the cover board.

Ply Sheet: None.

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

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

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

Membrane Type: SBS/SBS Foil

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. 33 ksi

System Type C(2): All layers of insulation mechanically fastened to roof deck. Base Sheet is self-adhered. Membrane is subsequently adhered to the base sheet.

All General and System limitations apply.

Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
H-Shield, Paratherm H Minimum 1.5" thick	**1 & 5 or 2 & 3**	**1:2.67 ft^2**
AC Foam III Minimum 2" thick	**1 & 5 or 2 & 3**	**1:2.67 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet: Paradiene 20 TS SA self-adhered to the insulation.

Ply Sheet: None.

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

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

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

Membrane Type: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 22 ga., Type B, Grade 80 steel deck attached to minimum ¼" steel supports spaced 6 ft. o.c. Deck secured with ITW Buildex Traxx 5 fasteners and ¾" diameter washers spaced 6" o.c. (one fastener and washer are installed at each bearing attachment point), and with deck side laps attached with Buildex Traxx 1 fasteners spaced at max. of 24" o.c.

This Tested Assembly has been analyzed for allowable deck stress. See evidence submitted table.

System Type C(3): All layers of insulation mechanically fastened to roof deck. Base Sheet is self-adhered. Membrane is subsequently fully adhered to the base sheet.

All General and System limitations apply.

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

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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.

Top Insulation Layer	**Insulation Fasteners Table 3**	**Fastener Density/ft^2**
DensDeck Prime Minimum ½" thick	**4 or 6 with 5 or 3**	**1:1 ft^2**

Note: Stress plates shall be primed with ASTM-D41 asphaltic primer

Base Sheet: Paradiene 20 SA self-adhered to the cover board.

Membrane: Paradiene 30 FR TG or 30 HT FR TG applied by torch or Paradiene 30 FR or 30 HT FR adhered with hot asphalt at 20-25 gal/square.

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

Maximum Design Pressure: -97.5 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 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 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 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