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 Liquid Applied Roofing 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 and revises NOA No. 19-1028.09 and consists of pages 1 through 24.
The submitted documentation was reviewed by Jorge L. Acebo.

10/16/25

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Sytems
Material PMMA
Deck Type: Concrete
Maximum Design Pressure: –495 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Parapro Liquid Applied Membrane	20–kg Drums	Proprietary	Multi-component PMMA resin.
Pro Fleece	12”x 16.5’ roll 12”x 82’ roll 25”x 164’ roll 41”x 164’ roll	Proprietary	Non-woven, needle punched, polyester fabric reinforcement.
Pro Primer R Resin	5–kg & 10–kg Drums	Proprietary	PMMA primer component for use over BUR, modified bitumen or other soft substrates.
Pro Primer W Resin	5–kg & 10–kg Drums	Proprietary	PMMA primer component for use over wood, concrete or other hard substrates.
Pro Primer T Resin	5–kg & 10–kg Drums	Proprietary	PMMA primer component for use over wood, concrete or other hard substrates.
Pro Catalyst Powder	Box of 10 3.2oz bags	Proprietary	Reactive agent for use during priming and membrane application.
Pro Color Finish Resin	5–kg & 10–kg Drums	Proprietary	Color pigmented, multi component, flexible PMMA.
Paradiene 20	3.28’ x 50’	ASTM D6163	Asphalt elastomer sheet with random fiberglass mat reinforcement for use as a base ply.
Paradiene 20 SA	3.28’ x 50’	ASTM D6163	Asphalt elastomer sheet with random fiberglass mat reinforcement for use as a base ply.
Paradiene 20 HT	3.28’ x 50’	ASTM D6163	Asphalt elastomer sheet with fiberglass scrim reinforcement for use as a base ply.
Paradiene 20 TS	3.28’ x 33.5’	ASTM D6163	High performance, semi–adhered SBS modified bitumen with random fiberglass mat reinforcement used as a base ply.
Paradiene 20 EG	3.28’ x 33.5’	ASTM D6163	Heavy duty asphalt elastomer sheet with fiberglass scrim reinforcement for use as a base ply.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Paradiene 20 HV	3.28’ x 33.5’	ASTM D6163	Heavy duty asphalt elastomer sheet with random fiberglass mat reinforcement for use as a base ply.
Pro Base	3.28’ x 50’	ASTM D6163	Modified bitumen base ply for use in Parapro roof membrane systems.
Pro Base TS	3.28’ x 33.5’	ASTM D 6163	Semi–adhered modified bitumen base ply for use in Parapro systems with heat-activated adhesive strips on the underside.
Paradiene 20 TG	3.28' x 33.5'	ASTM D6163	Asphalt elastomer sheet with random fiberglass reinforcement for use as a base ply.
Paradiene 20 HT TG	3.28' x 33.5'	ASTM D6163	Asphalt elastomer sheet with fiberglass scrim reinforcement for use as a base ply.
Paradiene 20 EG TG	3.28’ x 33.5’	ASTM D6163	Heavy duty asphalt elastomer sheet with fiberglass scrim reinforced for use as a base ply.
Paradiene 20 TS SA	3.28’ x 33.5’	ASTM D6163	High performance, self–adhering SBS modified bitumen with random fiberglass mat reinforcement used as a base ply.
PA 1125 Asphalt Primer	5 or 55 gal.	ASTM D41	Asphaltic primer.
Para-Stik	30 lb. pressurized cylinders	Proprietary	A single component moisture curing urethane foam adhesive.
Pro Base LP	3.28’ x 66.5’	Proprietary	High performance, SBS modified bitumen with random fiberglass mat reinforcement used as a base ply.
SFT Adhesive	5 gal	Proprietary	A single component, solvent free, modified asphalt adhesive
Pro Base LP SA	3.28’ x 66.5’	Proprietary	High performance, self–adhering SBS modified bitumen with random fiberglass mat reinforcement used as a base ply.
Parafast Insulation Adhesive	1,500 ml cartridge sets	Proprietary	A two component, polyurethane adhesive
Pro Base LP TG	3.28’ x 66.5’	Proprietary	High performance, torch grade SBS modified bitumen with random fiberglass mat reinforcement used as a base ply.

APPROVED INSULATIONS:

TABLE 2

Product	Description	Manufacturer (With Current NOA)
Paratherm W	Polyisocyanurate insulation	Siplast
ACFoam II	Polyisocyanurate insulation	Atlas Roofing Corporation
H–Shield	Polyisocyanurate foam insulation	Hunter Panels
Paratherm H	Polyisocyanurate insulation	Siplast
Ultra-Max	Polyisocyanurate foam insulation	Rmax Operating, LLC
Multi-Max FA-3	Polyisocyanurate foam insulation	Rmax Operating, LLC
DensDeck	Water resistant gypsum	Georgia-Pacific Gypsum LLC
DensDeck Prime	Water resistant gypsum	Georgia-Pacific Gypsum LLC
SECUROCK Gypsum-Fiber Roof Board	Rigid gypsum based board	United States Gypsum Corporation
DuraBoard	Expanded mineral fiber core board	Johns Manville
EnergyGuard Polyiso Insulation	Polyiso insulation with fiberglass reinforced organic facers	GAF
EnergyGuard Ultra Polyiso Insulation	Polyiso insulation with coated fiberglass facers	GAF
Paratherm G	Polyiso insulation with fiberglass reinforced organic facers	Siplast
Paratherm G CG	Polyiso insulation with coated fiberglass facers	Siplast

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
N/A	OMG OlyBond Adhesive	Dual component polyurethane adhesive	55-gallon drum	OMG, Inc.
N/A	OMG OlyBond 500 Adhesive	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 Name	Date
Factory Mutual	3029275	FM 4470	03/24/08
	3027962	FM 4470	10/03/06
	3042750	FM 4470	01/20/12
	3045166	FM 4470	07/24/12
	3041769	FM 4470	05/26/11
	3048066	FM 4470	04/13/15
	3023079	FM 4470	05/12/06
	3015680	FM 4470	11/24/03
	3008210	FM 4470	04/10/01
	PR449384	FM 4470	10/22/19
Trinity| ERD	C8500SC.11.07	TAS 117–B / ASTM D6862	11/30/07
	S9000.03.09–R1	Physical Properties G155/ D638 ASTM D1929/ D2843/ D635 TAS 114–D/ TAS 114–J	05/06/09
	S31630.05.10	ASTM D6163	05/11/10
	SPL-SC6940.06.15	PMMA Physical Properties	06/18/15
PRI Construction Materials Technologies, LLC.	SRI-039-02-01	ASTM D6163	11/20/12
	SRI-041-02-01	ASTM D6164	11/15/12
	SRI-042-02-01	ASTM D6163	11/16/12
	SRI-042-02-02	ASTM D6163	01/18/13
	SRI-087-02-01	Physical Properties	02/26/16
	SRI-120-02-01.1	ASTM D6163	02/06/20

APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(1): Insulation adhered with approved asphalt. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Minimum ½" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with an approved ASTM D 41 asphalt primer and allowed to dry prior to application of base insulation. All insulation shall be adhered in full mopping of approved asphalt within the EVT range and applied at a rate of 20–40 lbs./100 ft². 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.

Primer (Optional): Apply Pro Primer W Resin to the top layer of insulation at a minimum rate of 0.082 lbs./ft².

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ft² onto the primer; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –262.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(2): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG, Multi-Max FA-3, H-Shield, Paratherm H		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck		
Minimum ½" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Para-Stik or OMG OlyBond 500 Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) applied in continuous ¾" to 1" ribbons spaced 12" o.c. or with OMG Olybond Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) spray applied at a rate of 1.0 gal./100 ft². 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.

Primer (Optional): Apply Pro Primer W Resin to DensDeck at a minimum rate of 0.082 lbs./ft^2.

Base Sheet (Optional): (only over unprimed DensDeck) Paradiene 20, Paradiene 20 HT, Paradiene 20 EG or Paradiene 20 HV applied to cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the primer; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –120 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(3): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
SECUROCK Gypsum-Fiber Roof Board		
Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Para-Stik (not with ACFoam II or Paratherm W) or OMG OlyBond 500 Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) applied in continuous ¾" to 1" ribbons spaced 12" o.c. or OMG OlyBond Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) spray applied at an application rate of 1 gal./100 ft^2. 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 TG, Paradiene 20 HT TG or Paradiene 20 EG TG torch adhered to the cover board or Paradiene 20, Paradiene 20 HT, Pro Base, Paradiene 20 EG, or Paradiene 20 HV applied to the cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.
Or
Pro Base LP fully adhered to cover board with SFT Adhesive squeegee applied at a rate of 2.0 gal./sq. The min. 3" wide side and end laps are sealed with SFT Adheisve.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –225 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(4): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Para-Stik applied in continuous ¾" to 1" ribbons spaced 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 TG, Paradiene 20 HT TG or Paradiene 20 EG TG torch adhered to the cover board or Paradiene 20, Paradiene 20 HT, Pro Base, Paradiene 20 EG, or Paradiene 20 HV applied to the cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –285 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(5): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG, Multi-Max FA-3, H-Shield, Paratherm H		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime		
Minimum ¼" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with Siplast PA 1125 Asphalt Primer, or any approved ASTM D 41 asphalt primer and allowed to dry prior to application of base insulation. All insulation shall be adhered with Para-Stik or OMG OlyBond 500 Adhesive applied in continuous ¾" to 1" ribbons spaced 12" o.c. or OMG OlyBond Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) spray applied at an application rate of 1 gal./100 ft^2. 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 Option 1: Paradiene 20 TS SA self–adhered to the insulation coverboard.

Base Sheet Option 2: Pro Base LP SA self-adhered to cover board primed with an asphaltic primer metting ASTM D-41 roller applied at a rate of 0.5 gal./sq. The min. 3" wide side and end laps are self-adhered.

Base Sheet Option 3: Pro Base LP fully adhered to cover board with SFT Adhesive squeegee applied at a rate of 2.0 gal./sq. The min. 3" wide side and end laps are sealed with SFT Adheisve.

Base Sheet Option 4: Pro Base LP TG torch adhered to cover board. The min. 3" wide side and end laps are torch adhered.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

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

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(6): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
H-Shield, Paratherm H Minimum 1.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with Siplast PA 1125 Asphalt Primer, or any approved ASTM D 41 asphalt primer and allowed to dry prior to application of base insulation. All insulation shall be adhered with Para-Stik or OMG OlyBond 500 Adhesive applied in continuous ¾" to 1" ribbons spaced 12" o.c. or OMG OlyBond Adhesive spray applied at an application rate of 1 gal./100 ft². 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 to the insulation coverboard.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

Maximum Design Pressure:
-157.5 psf. using Para-Stik (See General Limitation #9)
-150.0 psf. using OMG OlyBond 500 Adhesive or OMG OlyBond Adhesive (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(7): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer (Optional):	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
Multi-Max FA-3, H-Shield, Paratherm H, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG, ACFoam II, Paratherm W		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DuraBoard		
Minimum ¾" thick	**N/A**	**N/A**
DensDeck		
Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Para-Stik or OMG OlyBond 500 Adhesive applied in continuous ¾" to 1" ribbons spaced 12" o.c. or OMG OlyBond Adhesive (Not for EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG) applied at a rate of 1.0 gal./100 ft². 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/Primer: Paradiene 20, Paradiene 20 HT, Pro Base, Paradiene 20 EG or Paradiene 20 HV applied to cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.
Or
(only over DensDeck) Apply Pro Primer W Resin to the top layer of insulation at a minimum rate of 0.082 lbs./ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –112.5 psf. with DuroBoard (See General Limitation #9)
–157.5 psf. with DensDeck (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(8): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Parafast Insulation Adhesive (not with SECUROCK, ACFoam II, or Paratherm W) or Para-Stik applied in continuous ¾" to 1" ribbons spaced 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: Pro Base LP fully adhered to cover board with Siplast SFT Adhesive squeegee applied at a rate of 2.0 gal./sq. The min. 3" wide side and end laps are sealed with SFT Adheisve.
Or
(Over SECUROCK only) Paradiene 20 TG, Paradiene 20 HT TG or Paradiene 20 EG TG torch adhered to the cover board or Paradiene 20, Paradiene 20 HT, Paradiene 20 EG or Paradiene 20 HV applied to the cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –232.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(9): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG		
Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Parafast Insulation Adhesive (not with SECUROCK, ACFoam II, or Paratherm W) or Para-Stik applied in continuous ¾" to 1" ribbons spaced 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.

Primer: (over SECUROCK only) An asphaltic primer metting ASTM D-41 roller applied at a rate of 0.5 gal./sq.

Base Sheet: Pro Base LP TG torch adhered to cover board. The min. 3" wide side and end laps are torch adhered.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –157.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(10): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
Multi-Max FA-3, H-Shield, Paratherm H, ACFoam II, Paratherm W, EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, Paratherm G, Paratherm G CG		
Minimum 1.5" thick	**N/A**	**N/A**
Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Parafast Insulation Adhesive (not with SECUROCK, ACFoam II, Paratherm W, Multi-Max FA-3, H-Shield, or Paratherm H) or Para-Stik applied in continuous ¾" to 1" ribbons spaced 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: Pro Base LP SA self-adhered to cover board primed with an asphaltic primer metting ASTM D-41 roller applied at a rate of 0.5 gal./sq. The min. 3" wide side and end laps are self-adhered.
Or
(over DensDeck Prime only) Pro Base LP TG torch adhered to cover board. The min. 3" wide side and end laps are torch adhered.
Or
(over SECUROCK only) Pro Base LP TG torch adhered to cover board primed with an asphaltic primer metting ASTM D-41 roller applied at a rate of 0.5 gal./sq.. The min. 3" wide side and end laps are torch adhered.
Or
Pro Base LP fully adhered to cover board with Siplast SFT Adhesive squeegee applied at a rate of 2.0 gal./sq. The min. 3" wide side and end laps are sealed with SFT Adheisve.
Or
(Over SECUROCK only) Paradiene 20 TG, Paradiene 20 HT TG or Paradiene 20 EG TG torch adhered to the cover board or Paradiene 20, Paradiene 20 HT, Paradiene 20 EG or Paradiene 20 HV applied to the cover board in full mopping of approved asphalt within the EVT range and applied at a rate of 20–25 lbs./100 ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –135 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(11): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
H-Shield, Paratherm H, ACFoam II, Paratherm W Minimum ½" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime Minimum ¼" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with an approved ASTM D 41 asphalt primer and allowed to dry prior to application of base insulation. All insulation shall be adhered with Para-Stik applied in continuous ¾" to 1" ribbons spaced 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: Pro Base LP TG torch adhered to cover board. The min. 3" wide side and end laps are torch adhered.
Or
Pro Base LP fully adhered to cover board with Siplast SFT Adhesive squeegee applied at a rate of 2.0 gal./sq. The min. 3" wide side and end laps are sealed with SFT Adheisve.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –150 psf**.** (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(12): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	**N/A**	**N/A**
DensDeck Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with Para-Stik applied in continuous ¾" to 1" ribbons spaced 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 Option #1: Paradiene 20 TS SA self–adhered.

Base Sheet Option #2: Paradiene 20 SA self–adhered.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure:
–247.5 psf. with base sheet option #1 over SECUROCK (See General Limitation #9)
–300 psf. with base sheet option #1 over DensDeck (See General Limitation #9)
–255 psf. with base sheet option #2 over SECUROCK (See General Limitation #9)
–405 psf. with base sheet option #2 over DensDeck (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(13): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

Vapor Barrier: Paradiene 20 TG is torch adhered to the concrete deck. The min. 3" wide side laps are self-adhered.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam II, Paratherm W, Paratherm H, H-Shield Minimum 1.5" thick	**N/A**	**N/A**

Insulation Top Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
DensDeck Prime Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered with OMG Olybond 500 Adhesive applied in continuous ¾" to 1" ribbons spaced 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 TG, Paradiene 20 HT TG, or Paradiene 20 EG TG is torch adhered to the coverboard. The minimum 3 in. (76 mm) wide side and end laps of the base ply are torch adhered

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –157.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(14): Insulation adhered with approved adhesive. Subsequent system fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations:

Insulation Base Layer:	**Insulation Fasteners Table 3**	**Fastener Density/ ft²**
ACFoam III Minimum 2" thick	**N/A**	**N/A**

Note: Concrete deck is primed with PA 1125 Asphalt Primer prior to insulation layer. All insulation shall be adhered to the primed deck with with Para-Stik applied in continuous ¾" to 1" ribbons spaced 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.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; Min. 3" wide side and end laps are placed at the overlaps of the fleece. A top coat of Parapro Liquid Applied Membrane is then roller applied at a minimum rate of 0.27 lbs./ ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –165 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Non–Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(1): Siplast system applied directly to substrate.

All General and System Limitations apply.

Primer (Optional): Apply Pro Primer W Resin to the deck at a minimum rate of 0.082 lbs./ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft^2 onto the primer or deck; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft^2 onto the embedded Pro Fleece.

Maximum Design Pressure: –52.5 psf. without primer application. (See General Limitation #9)
–322.5 psf. with primer application. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Non–Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(2): Siplast system applied directly to substrate

All General and System Limitations apply.

Primer: Concrete deck is primed with PA 1125 Asphalt Primer, or any approved ASTM D41 asphaltic primer, followed by a flood coat of hot asphalt applied at a rate of 20–25 lbs./100 ft^2.

Base Sheet: Paradiene 20 base membrane is fully adhered in hot asphalt applied at a rate of 20–25 lbs./100 ft^2 onto the primed deck.

Primer (Optional) : Apply Pro Primer R Resin to the base sheet at a minimum rate of 0.082 lbs./ft^2.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ft^2 onto the primer; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft^2 onto the embedded Pro Fleece.

Maximum Design Pressure: –202.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Non–Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(3): Siplast system applied directly to substrate

All General and System Limitations apply.

Primer: Concrete deck is primed with PA 1125 Asphalt Primer or any ASTM D41 asphaltic primer, followed by a flood coat of hot asphalt applied at a rate of 20–25 lbs./100 ft^2.

Base Sheet: Pro Base base membrane is fully adhered in hot asphalt applied at a rate of 20–25 lbs./100 ft^2 onto the primed deck.

Membrane: Base coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.42 lbs./ ft^2 onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft^2 onto the embedded Pro Fleece.

Maximum Design Pressure: –495 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 3I: Concrete Decks, Non–Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(4): Siplast system applied directly to substrate

All General and System Limitations apply.

Primer: Concrete deck is primed with PA 1125 Asphalt Primer, or any approved ASTM D41 asphaltic primer.

Base Sheet: Pro Base TS base membrane is torch adhered to primed concrete deck.

Membrane: Base coat of Parapro Liquid Applied Membrane is roller applied at a minimum rate of 0.42 lbs./ft² onto the base sheet; followed by one ply of Pro Fleece laid in the wet base coat; followed by a top coat of Parapro Liquid Applied Membrane roller applied at a minimum rate of 0.27 lbs./ft² onto the embedded Pro Fleece.

Maximum Design Pressure: –442.5 psf. (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 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.

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./100 ft^2., 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./100 ft^2.
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