



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Performance Roof Systems, Inc. dba SOPREMA Group Company
4800 Dr. Martin Luther King Jr. Blvd.
Kansas City, MO. 64130

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: Performance Modified 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 and revises NOA# 20-0127.08 and consists of pages 1 through 35.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 22-0706.07
Expiration Date: 08/23/27
Approval Date: 08/18/22
Page 1 of 35

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	APP/SBS Modified Bitumen
Deck Type:	Concrete
Maximum Design Pressure	-495 psf
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Derbigum GP	33'4" x 39.4"; roll weight: 90 lbs.	ASTM D 6223	Modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbigum XPS	33'4" x 39.4"; roll weight: 90 lbs.	ASTM D 6223	Modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbicolor GP	33'4" x 39.4"; roll weight: 100 lbs.	ASTM D 6223	Mineral surfaced modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbicolor XPS	33'4" x 39.4"; roll weight: 100 lbs.	ASTM D 6223	Mineral surfaced modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbigum GP-FR	33'4" x 39.4"; roll weight: 90 lbs.	ASTM D 6223	Fire resistant modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbigum XPS-FR	33'4" x 39.4"; roll weight: 90 lbs.	ASTM D 6223	Fire resistant modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbicolor GP-FR	33'4" x 39.4"; roll weight: 100 lbs.	ASTM D 6223	Mineral surfaced fire-resistant modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbicolor XPS-FR	33'4" x 39.4"; roll weight: 100 lbs.	ASTM D 6223	Mineral surfaced fire-resistant modified bitumen glass fiber and polyester reinforced membrane for torch application or Permastic cold adhesive application.
Derbicolor P-FR	33'4" x 39.4"; roll weight: 100 lbs.	ASTM D 6222	Mineral surfaced fire-resistant modified bitumen polyester reinforced membrane for torch application or Permastic cold adhesive application.



TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Derbibase	66' x 39.4"; roll weight: 90 lbs.	ASTM D 5147	APP modified bitumen glass fiber base sheet for mechanical attachment or Permastic cold adhesive application.
Derbibrite	33'4" x 39.4"; roll Weight: 90 lbs.	ASTM D 6223	Modified bitumen membrane reinforced with fiberglass/polyester with acrylic coating.
Derbibase Ultra	49.5' x 39.4"; roll weight: 102 lbs.	ASTM D5147	APP modified bitumen glass fiber base sheet for mechanical attachment of Permastic cold adhesive application.
Derbibase SA	39" x 49' (1.5 sq.)	ASTM D 6163	Self-adhered, sanded surfaced, fiberglass reinforced membranes.
Derbibase HV	49.5' x 39.4"; roll Weight: 90 lbs.	ASTM D 5147	APP modified bitumen membrane reinforced with polyester mat.
Derbicolor P	39.4" x 33'; roll weight: 103 lbs.	ASTM D 6222	Mineral surfaced APP polymer modified bitumen, polyester reinforced membrane
Derbigum P	33' x 39.4"; roll weight: 89 lbs.	ASTM D 6222	APP polymer modified bitumen polyester reinforced membrane.
PRS Glass Base	108' x 36"; roll weight: 82 lbs.	ASTM D 4601	Asphalt coated fiberglass base sheet for use in hot-mop, mechanically fastened or Permastic cold adhesive application.
PRS Glass Ply IV	180' x 36"; roll weight: 60 lbs.	ASTM D 2178 Type IV	Asphalt coated fiberglass ply sheet for use in hot-mop, or mechanically fastened or Permastic cold adhesive application.
PRS Glass Ply VI	180' x 36"; roll weight: 60 lbs.	ASTM D 2178 Type IV	Asphalt coated fiberglass ply sheet for use in hot-mop or mechanically fastened or Permastic cold adhesive application.
PRS Modified Base	180' x 36"; roll weight: 82 lbs.	ASTM D 5147	SBS polymer modified bitumen base sheet.
Bitutak MB	33' x 39.4"; roll weight: 89 lbs.	ASTM D 6222	APP polymer modified bitumen polyester reinforced membrane.
Resisto Bitutak MB Smooth	33' x 39.4"; roll weight: 89 lbs.	ASTM D 6222	APP polymer modified bitumen polyester reinforced membrane.
Bitutak MB Mineral	39.4" x 33'; roll weight: 103 lbs.	ASTM D 6222	Mineral surfaced APP polymer modified bitumen, polyester reinforced membrane.



TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Resisto Bitutak MB Mineral	39.4" x 33'; roll weight: 103 lbs.	ASTM D 6222	Mineral surfaced APP polymer modified bitumen, polyester reinforced membrane.
Bitutak Cold	33' x 39.4"; roll weight: 89 lbs.	ASTM D 6222	APP polymer modified bitumen polyester reinforced membrane.
Bitutak Cold Mineral	39.4" x 33'; roll weight: 103 lbs.	ASTM D 6222	Mineral surfaced APP polymer modified bitumen, polyester reinforced membrane.
Derbistick SA	45" x 133'	Various	Self-adhering air/vapor barrier membrane.
Derbibase SA Ultra	39" x 33' (1 sq.)	ASTM D 6164	Self-adhered, polyester reinforced membrane with a release film on the bottom and a sanded top.
Permastic	5-gallon pails 55-gallon drums 350-gallong tanks		Asphalt-based adhesive formulated especially for adhering Derbigum and Derbicolor roofing membranes, Derbibase and Derbibase Ultra, glass ply sheets and glass base sheets.
Derbibase SA Primer	Various	ASTM D 41	Asphalt primer.



APPROVED INSULATIONS:**TABLE 2**

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
ACFoam-II	various	TAS 110	Polyisocyanurate foam insulation	Atlas Roofing Corp.
ACFoam-III	various	TAS 110	Polyisocyanurate foam insulation	Atlas Roofing Corp.
ACFoam Composite	various	TAS 110	Polyisocyanurate foam insulation	Atlas Roofing Corp.
Derbiboard	various	TAS 110	Polyisocyanurate foam insulation	Derbigum Americas, Inc.
Derbiboard CA	various	TAS 110	Polyisocyanurate foam insulation	Derbigum Americas, Inc.
Derbiboard Composite	various	TAS 110	Polyisocyanurate foam insulation	Derbigum Americas, Inc.
FescoBoard	Various	TAS 110	Perlite insulation board	Johns Manville Corp.
H-Shield	various	TAS 110	Polyisocyanurate foam insulation	Hunter Panels, LLC
ENRGY 3	Various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
Ultra-Max	various	TAS 110	Polyisocyanurate foam insulation	Rmax Operating, LLC
DensDeck Prime	various	TAS 110	Water resistant gypsum board	Georgia-Pacific Gypsum LLC
ISO 95+ GL	various	TAS 110	Polyisocyanurate/Perlite rigid insulation	Firestone Building Products Company, LLC
Retro-Fit Board	Various	TAS 110	Perlite cover board	Johns Manville Corp.
SECUROCK Gypsum-Fiber Roof Board	various	TAS 110	Water resistant gypsum board	USG Corporation
Structodek High Density Fiberboard Roof Insulation	Various	TAS 110	Wood fiber insulation board	Blue Ridge Fiberboard, Inc.
DuraBoard	various	TAS 110	High density Perlite based cover board	Johns Manville Corp.
SOPRABOARD	various	TAS 100	Mineral fortified asphaltic cored coverboard	SOPREMA, Inc.



APPROVED FASTENERS/ADHESIVES:**TABLE 3**

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	#12 Standard Roofgrip	Base sheet fastening assembly	Various	OMG, Inc.
2.	Trufast #14 HD Fastener	Insulation fastener/Plate	Various	Altenloh, Brinck & Co. U.S., Inc.
3.	OMG OlyBond 500	Insulation adhesive	Various	OMG, Inc.
4.	Insta-Stik Quik Set Insulation Adhesive	Insulation adhesive	Various	The Dow Chemical Company
5.	Pliodeck Insulation Adhesive	Insulation adhesive		Ashland, Inc.
6.	OMG Heavy Duty	Base sheet fastening assembly	Various	OMG, Inc.
7.	Perlok-O #12 Screw	Base sheet fastening assembly	Various	Derbigum Americas, Inc.
8.	Perlok-O #14 Screw	Base sheet fastening assembly	Various	Derbigum Americas, Inc.
9.	Perlok-O Plate	3" round stress plate	3" round	Derbigum Americas, Inc.
10.	Perlok-O 3" Ribbed Plate	3" stress plate with ribs	3" round	Derbigum Americas, Inc.
11.	Perlok #12 DP	Fastener	Various	Derbigum Americas, Inc.
12.	Perlok Steel Plate	3" stress plate	3" round	Derbigum Americas, Inc.
13.	OMG OlyBond	Insulation adhesive	Various	OMG, Inc.
14.	Polyset CR-20	Insulation adhesive	Various	ICP Adhesives and Sealants, Inc.
15.	DUOTACK	Two-part elastomeric urethane foam adhesive	5, 50 gallon pail	SOPREMA, Inc.
16.	DUOTACK 365	Two-part elastomeric urethane foam adhesive	5, 50 gallon pail	SOPREMA, Inc.
17.	DUOTACK SPF	Two-part elastomeric urethane foam adhesive	5, 50 gallon pail	SOPREMA, Inc.

APPROVED SURFACING/COATING OPTIONS:

TABLE 4

Chosen components must be applied according to manufacturer's application instructions. Any coating, listed below, used as a surfacing, must be listed within a current NOA.

<u>System Number</u>	<u>Manufacturer</u>	<u>Application</u>
1.	Generic	Gravel or slag applied at an application rate of 400 lbs. or 300 lbs., respectively; adhered to the substrate with approved mopping asphalt at an application rate of 60 lbs./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2 gal./sq.
2.	Gardner Asphalt Corp.	APOC #302 Fibered Emulsion Roof Coating applied at an application rate of 3 gal./sq.
3.	Gardner Asphalt Corp.	APOC #400 Sunbrite Aluminum Emulsion Roof Coating applied at an application rate of 1.3 gal./sq.
4.	Karnak Corp.	Karnak #97 AF applied at an application rate of 1.5 gal./sq.

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Exterior Research & Design, LLC	10720.10.97-1	TAS 114	10/17/97
Factory Mutual Research Corporation	2W3A6.AM	FM 4470	02/21/97
	2Y3A2.AM		
	2B5A5.AM	FM 4470	05/14/97
	1D7A4.AM	FM 4470	11/9/98
	2B5A7.AM	FM 4470	03/1/99
	3007274	FM 4470	02/07/01
	3003642		
	3001472		
	3017037	FM 4470	09/30/05
	ID 01669-267	Product Name Change	10/14/05
	ID 1039-267	Product Name Change	07/08/04
	3024750	FM 4470	06/21/06
	3027878	FM 4470	01/22/07
	3039338	FM 4470	08/18/10
	3046765	FM 4470	02/15/13
	3049890	FM 4470	06/20/14
	3051281	FM 4470	11/14/14
	3059403	FM 4470	06/15/16
	3059931	FM 4470	12/19/16
PRI Construction Materials Technologies	PRS-067-02-01	ASTM D 1876	05/05/17
	PRS-057-02-01	ASTM D 6222	01/24/19
	PRS-066-02-01	ASTM D 6222	01/24/19
	691T0016	ASTM D 6509	09/16/21
	691T0017	ASTM D 6509	09/15/21
	691T0018	ASTM D 6222	10/01/21
	691T0019	ASTM D 6223	11/30/21
	691T0020	ASTM D 6223	10/01/21
	691T0025	ASTM D 6223	04/26/22
	691T0026	ASTM D 6223	04/27/22
	691T0028	ASTM D 6222	04/22/22
Underwriters Laboratories, Inc.	TGFU.R13327	Fire Classification Compliance	08/08/19
Trinity ERD	S45010.02.14	ASTM D 6506	02/07/14



APPROVED ASSEMBLIES

Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(1):	Insulation attached to concrete substrate or optional vapor retarder in Permastic at an application rate of 1.5 to 2 gal./sq., or a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft ² , or Pliodeck Insulation Adhesive at an application rate of ½” wide bead 12” o.c., or Polyset CR-20 at an application rate of 3 to 3-1/2” wide ribbon in rows 12” o.c., or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12” o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12” o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Derbistick SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq. Or One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.
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<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5” thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3” thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SOPRABOARD Minimum 1/8” thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Apply Permastic at an application rate of 1.5-2 gal./sq., full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft², Pliodeck Insulation Adhesive at an application rate of 0.5-inch wide bead 12-inch o.c., Polyset CR-20 at an application rate of 3-3.5-inch wide ribbon in rows 12-inch o.c., DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Base Sheet:	<p>One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2 gal./sq.</p> <p>Or</p> <p>One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate torch-applied*.</p> <p>*Torch applications not applicable with polyisocyanurate foam insulation.</p>
Ply Sheet:	<p>(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq. or Derbibase SA, self-adhered.</p>
Membrane:	<p>Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive to base and/or ply sheet.</p>
Surfacing: (Optional)	<p>Apply any coating listed in Table 4, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	<p>-52.5 psf. with Permastic (See General Limitation #9). -45 psf. With Hot Asphalt (See General Limitation #9). -105 psf. With Pliodeck Insulation Adhesive (See General Limitation #9) -120 psf. With Polyset CR-20 (See General Limitation #9)</p>

Membrane Type: APP

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500-psi structural concrete or concrete plank.

System Type A(2): Insulation attached to concrete substrate or optional vapor retarder in Insta-Stik Quik Set Insulation Adhesive in continuous ¾" to 1" wide beads 12" o.c., or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12" o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: One ply of Derbistick SA, self-adhering over structural concrete deck primed with
(Optional) Derbibase SA Primer at an application rate of 0.5 gal./sq.
 Or
 One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Apply Insta-Stik Quik Set Insulation Adhesive in continuous ¾" to 1" wide beads 12" o.c., DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or Permastic adhesive at an application rate of 1.5 to 2 gal./sq.
 Or
 One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP torch-applied*.
***Torch applications not applicable with polyisocyanurate foam insulation.**



Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-120 psf (See General Limitation #9).

Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(3):	Insulation attached to concrete substrate or optional vapor retarder in OMG OlyBond Adhesive Fastener or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12" o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Derbistick SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq. Or One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.
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<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation layers listed are minimum sizes and dimensions. Apply OMG OlyBond Adhesive Fastener through a spray application device at approximately 1 gallon/square and allow to rise to a 1/8" to 1/4" thickness., DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. When the adhesive becomes tacky, the insulation board is placed onto the adhesive and walked in until fully bonded. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or Permastic adhesive at an application rate of 1.5 to 2 gal./sq. Or One ply of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP torch-applied*. *Torch applications not applicable with polyisocyanurate foam insulation.
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Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-67.5 psf (See General Limitation #9).



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(4):	Insulation attached to concrete substrate or optional vapor retarder in OMG OlyBond 500 Adhesive Fastener or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12" o.c..

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Derbistick SA, self-adhering over structural concrete deck primed with Deribase SA Primer at an application rate of 0.5 gal./sq.* <i>*Not used with Top Insulation Layer.</i>
	Or
	One or two plies of Deribase SA Ultra or Deribase SA, self-adhering over structural concrete deck primed with Deribase SA Primer at an application rate of 0.5 gal./sq.* <i>*Not used with Top Insulation Layer.</i>

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: Insulation layers listed are minimum sizes and dimensions. Apply OMG OlyBond 500 Adhesive Fastener in a ¾" to 1" wide bead at 6" o.c., DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. When the adhesive becomes tacky, the insulation board is placed onto the adhesive and walked in until fully bonded. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation layers listed are minimum sizes and dimensions. Apply OMG OlyBond 500 Adhesive Fastener in a ¾" to 1" wide bead at 6" o.c. When the adhesive becomes tacky, the insulation board is placed onto the adhesive and walked in until fully bonded. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Base Sheet:	One ply of Derbibase, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with Permastic adhesive at an application rate of 1.5 to 2 gal./sq. or torch applied.
Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or installed in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	<p>-222.5 psf. With OMG OlyBond 500 and ISO and torch applied base sheet (See General Limitation #9).</p> <p>-212.5 psf. With OMG OlyBond 500 and ISO and Permastic applied base sheet (See General Limitation #9).</p> <p>-195 psf. With OMG OlyBond 500 and ISO and SECUROCK Gypsum-Fiber Roof Board and SOPRABOARD and Permastic applied base sheet (See General Limitation #9).</p>

Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(5):	Insulation attached to concrete substrate or optional vapor retarder in a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft ² , or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12" o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Derbistick SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq. Or One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.
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<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II ACFoam-III Minimum 1.3" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation layers listed are minimum sizes and dimensions. Apply a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft², DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or, Permastic adhesive at an application rate of 1.5 to 2 gal./sq. Or One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP torch-applied*. *Torch applications not applicable with polyisocyanurate foam insulation.
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Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-150 psf (See General Limitation #9).



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(6):	Insulation attached to concrete substrate or optional vapor retarder in a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft ² , or DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c., or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons 12" o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.
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<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II ACFoam-III Minimum 1.3" thick	N/A	N/A

<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation layers listed are minimum sizes and dimensions. Apply a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft², DUOTACK, DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. or DUOTACK SPF at a continuous rate of 2.5-inch wide ribbons, 12-inch o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or, Permastic adhesive at an application rate of 1.5 to 2 gal./sq. Or One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP torch-applied*. *Torch applications not applicable with polyisocyanurate foam insulation.
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Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-262.5 psf (See General Limitation #9).



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(7):	Insulation attached to concrete substrate or optional vapor retarder in a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft ² , or DUOTACK or DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons 12" o.c.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Derbistick SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.* <i>*Not used with Top Insulation Layer.</i>
	Or
	One or two plies of Derbibase SA Ultra or Derbibase SA, self-adhering over structural concrete deck primed with Derbibase SA Primer at an application rate of 0.5 gal./sq.* <i>*Not used with Top Insulation Layer.</i>

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FescoBoard, Retro-Fit Board Minimum 0.5" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Apply a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft², DUOTACK or DUOTACK 365 at a continuous rate of 0.5-0.75-inch wide ribbons, 12-inch o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Base Sheet:	<p>One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or, Permastic adhesive at an application rate of 1.5 to 2 gal./sq.</p> <p>Or</p> <p>One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP torch-applied*.</p> <p>*Torch applications not applicable with polyisocyanurate foam insulation.</p>
Ply Sheet:	<p>(Optional) One or two plies of PRS Glass Ply IV, PRS Glass VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. \pm 15% or Permastic adhesive at an application rate of 1.5 to 2 gal./sq., or torch applied or Derbibase SA, self-adhered.</p>
Membrane:	<p>Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.</p>
Surfacing: (Optional)	<p>Apply any coating listed in Table 4, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	<p>-180 psf (See General Limitation #9).</p>



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(8):	Insulation attached to concrete substrate or optional vapor retarder in a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft ² .

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation Minimum 0.5" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Apply a full mopping of any approved asphalt within the EVT range at 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of PRS Glass Ply IV, PRS Glass VI, Derbibase, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or, Permastic adhesive at an application rate of 1.5 to 2 gal./sq. or torch-applied.
Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass VI, Derbibase, Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, PRS Glass Base, Derbibase Ultra or Derbigum GP adhered to the substrate with a full mopping of approved mopping asphalt at an application rate of 25 lb./sq. ± 15% or Permastic adhesive at an application rate of 1.5 to 2gal./sq., or torch applied or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-210 psf (See General Limitation #9).



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(9):	All layers of insulation attached to concrete substrate or optional vapor retarder, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: (Optional)	One ply of Deribase, Deribase Ultra or Derbigum GP applied in Permastic at a rate of 1.5-2 gal/sq. or torch adhered.
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<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, ACFoam-II Minimum 1.5” thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, DensDeck Prime Minimum 0.25” thick	N/A	N/A
SOPRABOARD Minimum 1/8” thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Apply OMG OlyBond 500 in continuous 1/2” wide beads 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One or more plies of Deribase, Deribase Ultra or Derbigum GP adhered to the insulated substrate with Permastic adhesive at an application rate of 1.5 to 2 gal./sq. or torch adhered to the insulated substrate or Deribase SA, self-adhered.
Membrane:	One ply of Derbigum GP, Derbigum GP-FR, Derbigum XPS, Derbigum XPS-FR, Derbicolor GP, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS, Derbicolor XPS-FR, Derbibrite, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral adhered to base sheet with torch with minimum 3 in. wide side laps and 4 in. wide end laps.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-67.5 psf (See General Limitation #9).



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(10):	All layers of insulation attached to concrete substrate or optional vapor retarder, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: One ply of Derbibase torched adhered to ASTM D41 primed deck
(Optional)

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III, ENRGY 3, ISO 95 + GL Minimum 1.0" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime Minimum 0.25" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Both Base insulation layer and Top Insulation Layer adhered with OMG OlyBond 500 applied in 0.5 in. wide beads 12 in. o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of Derbibase, Derbibase Ultra, Derbibase HV, Bitutak MB, Resisto Bitutak MB Smooth, Derbigum GP or Derbigum XPS torch adhered to the insulated substrate.
Ply Sheet:	(Optional) One or two plies of Derbibase, Derbibase Ultra, Derbibase HV, Derbigum P, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak Cold, Derbigum GP or Derbigum XPS torch adhered to the substrate or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS-FR, Derbibrite, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch adhered to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-77.5 psf with Derbibase as Vapor Barrier (See Limitation #9) -160 psf (See Limitation #9)



Membrane Type: APP

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500-psi structural concrete or concrete plank.

System Type A(11): All layers of insulation attached to concrete substrate or optional vapor retarder, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Barrier: One ply of Derbibase torched adhered to ASTM D41 primed deck.
(Optional)

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III, ENRGY 3, ISO 95 + GL Minimum 1.0" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Both Base insulation layer and Top Insulation Layer adhered with OMG OlyBond 500 applied in 0.5 in. wide beads 12 in. o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of Derbigum GP or Derbigum XPS torch adhered to the insulated substrate.

Ply Sheet: (Optional) One or two plies of Derbibase, Derbibase Ultra, Derbibase HV, Derbigum P, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak Cold, Derbigum GP or Derbigum XPS torch adhered to the substrate or Derbibase SA, self-adhered.

Membrane: Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS-FR, Derbibrite, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch adhered to base and/or ply sheet.

Surfacing: Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
(Optional)

Maximum Design Pressure: -77.5 psf with Derbibase as Vapor Barrier (See Limitation #9)
-160 psf (See Limitation #9)



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type A(12):	All layers of insulation attached to concrete substrate or optional vapor retarder, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

Vapor Retarder: One ply of Derbibase torched adhered to ASTM D41 primed deck.
(Optional)

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III, ENRGY 3, ISO 95 + GL Minimum 1.0" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DuraBoard Minimum 0.5" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Both the base insulation layer and the top insulation layer adhered with OMG OlyBond 500 applied in 0.5 in. wide beads 12 in. o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of Derbibase, Derbibase Ultra, Derbibase HV, Bitutak MB, Resisto Bitutak MB Smooth, Derbigum GP or Derbigum XPS torch adhered to the insulated substrate.
Ply Sheet:	(Optional) One or two plies of Derbibase, Derbibase Ultra, Derbibase HV, Derbigum P, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak Cold, Derbigum GP or Derbigum XPS torch adhered to the substrate or Derbibase SA, self-adhered.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS-FR, Derbibrite, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch adhered to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-77.5 psf with Derbibase as Vapor Barrier (See Limitation #9) -130 psf (See Limitation #9)



Membrane Type: APP
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500-psi structural concrete or concrete plank.
System Type A(13): All layers of insulation attached to concrete substrate, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, ACFoam-II, H-Shield, ENRGY 3, ISO 95 +GL Minimum 1.5” thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25” thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Insulation adhered with hot asphalt in full coverage at 25 lb/sq., Permastic applied at a rate 1.5 gal/sq. (not with ISO 95 +GL), Insta-Stik Quik Set Insulation Adhesive or OMG OlyBond 500 adhesive in continuous ¾” to 1” ribbons wide beads 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of Deribase adhered to the insulated substrate with Permastic adhesive at an application rate of 1.5 to 2 gal./sq.

Ply Sheet: (Optional) One or more plies of Deribase, Deribase Ultra, Derbigum GP, Derbigum GP-FR, Derbigum XPS or Derbigum XPS-FR adhered by torch to base and/or ply sheet or Deribase SA, self-adhered.

Membrane: Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2 gal./sq. to base and/or ply sheet.

**Surfacing:
(Optional)** Apply any coating listed in Table 4, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:** -105 psf (See Limitation #9)



Membrane Type: APP
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500-psi structural concrete or concrete plank.
System Type A(14): All layers of insulation attached to concrete substrate, membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard Composite, ACFoam-II, ACFoam Composite, ISO 95+ GL, ENRGY 3, Structodek High Density Fiberboard Roof Insulation, FescoBoard, Retro-Fit Board Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation, Retro-Fit Board Minimum 0.5" thick	N/A	N/A
FescoBoard Minimum 3/4" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Both base and optional top insulation layers are fully adhered in ASTM D 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of Derbibase, PRS Modified Base, PRS Glass Ply IV or PRS Glass Ply VI adhered in ASTM 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft²

Ply Sheet: (Optional) One or two plies of Derbibase, Derbibase Ultra, Derbigum GP, Derbigum GP-FR, Derbigum XPS or Derbigum XPS-FR adhered by torch to the substrate or Derbibase SA, self-adhered.

Membrane: One ply of Derbigum GP, Derbigum GP-FR, Derbigum XPS, Derbigum XPS-FR, Derbicolor GP, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS, Derbicolor XPS-FR, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral adhered by torch to base and/or ply sheet.

**Surfacing:
(Optional)** Apply any coating listed in Table 4, or any Miami-Dade approved coating system.

Maximum Design Pressure:

- 150 psf with Derbiboard or ACFoam-II (See Limitation # 9)
- 135 psf with Derbicolor P-FR (See Limitation #9)
- 277.5 psf with ISO 95+ GL (See Limitation #9)
- 210 psf with Structodek High Density Fiberboard Roof Insulation (See Limitation #9)
- 180 psf with FescoBoard or Retro-Fit Board (See Limitation #9)
- 262.5 psf with ENRGY 3 (See Limitation #9)



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type B(1):	Base insulation mechanically fastened, top insulation adhered with approved asphalt.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, ACFoam-II, ENRGY 3, ISO 95+ GL Minimum 1.5" thick	7 or 8 with 9 or 10 11 with 12	1:1.45 ft ²
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation, Retro-Fit Board Minimum 1/2" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Base layer shall be mechanically attached with fasteners and density described. Top insulation layer adhered in ASTM D 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet:	One ply of Derbibase, PRS Modified Base, PRS Glass Ply IV or PRS Glass Ply VI adhered in ASTM D 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft ²
Ply Sheet:	(Optional) One or two plies of Derbibase, Derbibase Ultra, Derbigum GP, Derbigum GP-FR, Derbigum XPS or Derbigum XPS-FR adhered by torch to the substrate or Derbibase SA, self-adhered
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral adhered by torch to base and/or ply sheet
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45 psf (See Limitation #7)



Membrane Type: APP

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500-psi structural concrete or concrete plank.

System Type B(2): Base insulation mechanically fastened, top insulation adhered with approved asphalt.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, ACFoam-II, ENRGY 3 Minimum 2" thick	7 or 8 with 9 or 10 11 with 12	1:1.45 ft²
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation, Retro-Fit Board Minimum 1/2" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Base layer shall be mechanically attached with fasteners and density described. Top insulation layer adhered in ASTM D 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of Derbibase, PRS Modified Base, PRS Glass Ply IV or PRS Glass Ply VI adhered in ASTM D 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft².

Ply Sheet: (Optional) One or two plies of Derbibase, Derbibase Ultra, Derbigum GP, Derbigum GP-FR, Derbigum XPS or Derbigum XPS-FR adhered by torch to the substrate or Derbibase SA, self-adhered.

Or

One or two plies of Derbigum GP, Derbigum GP-FR, Derbigum XPS, Derbigum XPS-FR, Derbicolor GP, Derbicolor GP-FR, Derbicolor P-FR, Derbicolor XPS or Derbicolor XPS-FR fully adhered with Permastic applied at a rate of 1.5 – 2.0 gal/sq to the substrate or Derbibase SA, self-adhered.

Membrane: Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral adhered by torch to base and/or ply sheet.

**Surfacing:
(Optional)** Apply any coating listed in Table 4, or any Miami-Dade approved coating system.

Maximum Design Pressure: -60 psf (See Limitation #7)



Membrane Type:	APP
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500-psi structural concrete or concrete plank.
System Type D(1):	All insulation is loosed laid with preliminary attachment to deck. Base sheet is subsequently mechanically fastened through insulation to the roof deck.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, ACFoam-II, ISO 95+ GL, ENRGY 3 Minimum 1-1/2" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation, Retro-Fit Board Minimum 1/2" thick	N/A	N/A
FescoBoard Minimum 3/4" thick	N/A	N/A

Note: All layers of insulation and base sheet shall be simultaneously attached. See base sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. At an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Base Sheet:	One ply of PRS Glass Base attached as detailed below.
Fastening:	Fasten base sheet with Perlok-O #12 Screws, Perlok #14 Screws and Perlok-O Plates or Perlok-) 3" Ribbed Plates or Perlok #12 DP fasteners and Perlok Steel Plates secured 9" o.c. through the minimum 2" side laps and 9" o.c. in three (3) evenly spaced rows between the side laps.
Ply Sheet:	One ply of Derbibase, PRS Modified Base, PRS Glass Ply IV or PRS Glass Ply VI adhered in ASTM 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft ² to the substrate.
Membrane:	Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbicolor P-FR, Derbigum XPS-FR or Derbicolor XPS-FR fully adhered by torch to base and/or ply sheet.
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-52.5 psf (See Limitation #7)



Membrane Type: APP
Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: 2500-psi structural concrete or concrete plank.
System Type F(1): (Optional) Base sheet adhered with approved asphalt or Permastic.

All General and System Limitations apply.

Note: Concrete deck shall be primed with ASTM D41 asphalt primer and allowed to dry prior to application of anchor sheet.

Base Sheet: (Optional) PRS Modified Base, PRS Glass Base or PRS Glass Ply VI adhered to the insulated substrate with approved mopping asphalt at an application rate of 25 lb/sq. \pm 15% or Permastic at an application rate of 1.5 to 2gal./sq.

Ply Sheet: (Optional) One or two plies of Derbibase, Derbigum GP, Derbigum XPS, Derbicolor XPS or Derbibase Ultra torch adhered to the substrate or in Permastic adhesive in an application rate of 1.5 to 2gal./sq. or Derbibase SA, self-adhered.

Membrane: Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR or Derbigum XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB, Resisto Bitutak MB Smooth, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or in Permastic adhesive at an application rate of 1.5 to 2gal./sq. to the base and/or ply sheet.

Surfacing: Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
(Optional)

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



Membrane Type: APP
Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: 2500-psi structural concrete or concrete plank.
System Type F(2): Base sheet adhered with approved asphalt within the EVT range at 20-40 lbs/100 ft².

All General and System limitations apply.

Base Sheet: One ply of Derbibase, PRS Modified Base, PRS Glass Ply IV or PRS Glass Ply VI adhered in ASTM 312, Type IV asphalt within the EVT range at 20-40 lbs/100 ft².

Ply Sheet: (Optional) One or two plies of Derbibase, Derbibase Ultra, Derbigum GP, Derbigum GP-FR, Derbigum XPS or Derbigum XPS-FR adhered by torch to the substrate or Derbibase SA, self-adhered.

Membrane: One ply of Derbigum GP, Derbigum GP-FR, Derbigum XPS, Derbigum XPS-FR, Derbicolor GP, Derbicolor GP-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Derbicolor XPS, Derbicolor XPS-FR, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral adhered by torch to the base and/or ply sheet.

**Surfacing:
(Optional)** Apply any coating listed in Table 4, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:** -300 psf (See Limitation # 9)
-135 psf with Derbicolor P-FR (See 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 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./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 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

