



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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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 Recover Applications

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# 20-0127.07 and consists of pages 1 through 25.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 22-0706.06
Expiration Date: 08/23/27
Approval Date: 08/18/22
Page 1 of 25

ROOFING ASSEMBLY APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	APP Modified Bitumen
<u>Deck Type:</u>	Recover
<u>Maximum Design Pressure</u>	See specific system assembly
<u>Fire Classification:</u>	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.

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>
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.
Derbibrite	33'4" x 39.4"; roll Weight: 90 lbs.	ASTM 6223	Modified bitumen membrane reinforced with fiberglass/polyester with acrylic coating.
Derbibase HV	49.5' x 39.4"; roll Weight: 90 lbs.	ASTM D5147	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.
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.
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.
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.

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>
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.
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.
Permastic	5-gallon pails 55-gallon drums 350-gallon tanks		Asphalt-based adhesive formulated especially for adhering Derbigum and Derbicolor roofing membranes, Derbibase and Derbibase Ultra, glass ply sheets and glass base sheets.

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.
DensDeck, DensDeck Prime	various	TAS 110	Water resistant gypsum board	Georgia-Pacific Gypsum LLC
Derbiboard	various	TAS 110	Polyisocyanurate foam insulation	Derbigum Americas, Inc.
Derbiboard CA	various	TAS 110	Polyisocyanurate foam insulation	Derbigum Americas, Inc.
ENRGY 3	various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
DuraBoard	various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
ISO 95+ GL	various	TAS 110	Polyisocyanurate/Perlite rigid insulation	Firestone Building Products Company, LLC
Ultra-Max, Multi-Max FA-3	various	TAS 110	Polyisocyanurate foam insulation	Rmax Operating, LLC
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.
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.	Dekfast DF-#12-PH3, Dekfast PLT-H-2-7/8	Insulation fastener/Plate	Various	SFS Group USA, Inc.
2.	OMG OlyBond 500	Insulation adhesive	Various	OMG, Inc.
3.	Insta-Stik Quik Set Insulation Adhesive	Insulation adhesive	Various	The Dow Chemical Company
4.	Pliodeck Insulation Adhesive	Insulation adhesive	Various	Ashland, Inc.
5.	Trufast #15 EHD Fasteners	Insulation fastener	#15	Altenloh, Brinck & Co., Inc.
6.	Trufast 3" Metal Insulation Plate	Insulation plate	3" round	Altenloh, Brinck & Co., Inc.
7.	OMG OlyBond	Insulation adhesive	Various	OMG, Inc.
8.	DUOTACK	Two-part elastomeric urethane foam adhesive	5, 50 gallon pail	SOPREMA, Inc.
9.	DUOTACK 365	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

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies:</u>	<u>Date</u>
Zachary R. Priest, P.E.	Letter	C(2)	08/08/17

APPROVED ASSEMBLIES

Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(1): Insulation layers fully adhered with OMG OlyBond adhesive fastener

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Insulation Layers</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
DensDeck, DensDeck Prime Minimum ¼" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, Structodek High Density Fiberboard Roof Insulation Minimum ½" thick	N/A	N/A
SOPRABOARD Minimum ⅛" thick	N/A	N/A

Note: Insulation layers shall be adhered to the existing substrate using a heated spray foam application machine with a 1:1 mix ratio of OMG OlyBond dual component polyurethane adhesive at an application rate of 1 gallon per 100 square feet, 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: One ply of PRS Glass Ply IV, PRS Glass Ply VI, or PRS Modified Base, PRS Glass Base, Derbibase or 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 2gal./sq.

Or

One ply of PRS Glass Ply IV, PRS Glass Ply VI, or PRS Modified Base, PRS Glass Base, Derbibase or Derbibase Ultra or Derbigum GP torch-applied*.

***Torch application not applicable with polyisocyanurate foam insulation**

Ply Sheet: (Optional) One or two plies of Derbibase, 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 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 Permastic adhesive at an application rate of 1.5 to 2gal/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:	-135 psf. (See General Limitation #9)

Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(2): Insulation fully adhered with Hot 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, Derbiboard CA, ACFoam-II, ACFoam-III 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 shall be adhered to the existing substrate in a full mopping of any approved mopping hot asphalt within the EVT range and at a rate of 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 Ply VI, or PRS Modified Base, PRS Glass Base, Derbibase or 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 2gal./sq.
Or
One ply of PRS Glass Ply IV, PRS Glass Ply VI, or PRS Modified Base, PRS Glass Base, Derbibase or Derbibase Ultra or Derbigum GP torch-applied*.

***Torch applications not applicable with polyisocyanurate foam insulation**

Ply Sheet: (Optional) One or two plies of Derbibase, 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 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 adhered with Permastic adhesive to base and/or ply sheet at an application rate of 1.5 to 2gal./sq.



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

**Maximum Design
Pressure:** -75 psf. (See General Limitation #9)



Membrane Type:	APP
Deck Type 7I:	Recover, Insulated
Deck Description:	Concrete
System Type A(3):	One or more layers of insulation adhered with approved adhesive over Existing smooth BUR. or smooth APP

All General and System limitations apply.

One or more layers of any of the following insulations.

<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>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4” thick	N/A	N/A
DuraBoard Minimum 1/2” thick	N/A	N/A
SOPRABOARD Minimum 1/8” thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Optional base insulation layer adhered with OMG OlyBond 500 applied in 0.5 in. wide beads 12 in. o.c. 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 GP, Derbigum XPS, Derbigum P, Bitutak MB, Resisto Bitutak MB Smooth, or Bitutak Cold torch adhered to base sheet 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. over smooth APP (See General Limitation #9) -130 psf. over smooth BUR (See General Limitation #9)



Membrane Type: APP

Deck Type 7I: Recover, Insulated

Deck Description: Concrete

System Type A(4): One layer of insulation adhered with approved adhesive over existing smooth surface asphaltic BUR; membrane torch adhered.

All General and System limitations apply.

One or more layers of any of the following insulations.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/F²</u>
DensDeck Prime Minimum 1/4" thick	N/A	N/A

Note: Insulation panels listed are minimum sizes and dimensions. Insulation layer adhered with OMG OlyBond 500 applied in 0.5 in. wide beads 12 in. o.c., 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: 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 GP, Derbigum XPS, Derbigum P, Bitutak MB, Resisto Bitutak MB Smooth, or Bitutak Cold torch adhered to base sheet or Derbiase 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: -210 psf. (See General Limitation #9)



Membrane Type: APP

Deck Type 7I: Recover, Insulated

Deck Description: 18-22 ga., 33 ksi steel.

System Type B(1): Base layers of insulation mechanically fastened, top layer adhered with approved asphalt or Permastic.

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, ACFoam-II, ACFoam-III Minimum 1.5" thick	1	1:3 ft ²
Derbiboard, ACFoam-II Minimum 1.3" thick	1	1:3 ft ²
Derbiboard CA, ACFoam-III Minimum 1.3" thick	1	1:4 ft ²
Ultra-Max Minimum 1.5" thick	1	1:2.9 ft ²
DensDeck, DensDeck Prime Minimum 1/4" thick	1	1:2.7 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

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

Note: Apply top layer of insulation in a full mopping of any approved mopping asphalt within the EVT range at 20-40 lbs/100 ft², Permastic Adhesive at an application rate of 1-1/2 to 2 gal/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.



Base Sheet:	<p>One ply of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Deribase, Deribase 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 2gal./sq.</p> <p>Or</p> <p>One ply of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Deribase, Deribase Ultra or Derbigum GP torch-applied*.</p> <p>*Torch applications not applicable with polyisocyanurate foam insulation</p>
Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Deribase, Deribase 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 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 adhered with Permastic adhesive to base and/or ply sheet at an application rate of 1.5 to 2gal/sq
Surfacing: (Optional)	Apply any coating listed in Table 4, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45 psf. (See General Limitation #9)

Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: 18-22 ga., 33 ksi steel.
System Type C(1): All layers of insulation simultaneously attached.

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, ACFoam-II, ACFoam-III, Ultra-Max Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
DensDeck Prime Minimum ¼" thick	N/A	N/A

Note: All insulation layers shall be simultaneously fastened; see Top Layer below for fasteners and density.

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.5" thick	1	1:2 ft ²
Derbiboard CA, ACFoam-III Minimum 1.3" thick	1	1:2 ft ²
Derbiboard, ACFoam-II Minimum 1.3" thick	1	1:2 ft ²
DensDeck Prime Minimum ¼" thick	1	1:2 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining that same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Derbibase, 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 2gal./sq.



Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Derbibase, 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 Derbiase 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 Permastic adhesive at an application rate of 15. to 2gal/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:	-45 psf. (See General Limitation #9)

Membrane Type: APP

Deck Type 7I: Recover, Insulated

Deck Description: Minimum 267 psi cellular lightweight concrete over minimum 22 ga., steel deck attached to structural supports spaced 5 ft. o.c. *The steel deck should record a Minimum Characteristic Resistance Force (MCRF) of 180 lbf. when tested with Trufast #15 EHD Fasteners in accordance with TAS 105.

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

System Type C(2): All layers of insulation simultaneously attached.

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>
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	6 with 7	1:1.33 ft²

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. Refer to Roofing Application RAS 117 for insulation attachment requirements.

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, Bitutak MB, Resisto Bitutak MB Smooth, Derbigum GP or Derbigum XPS torch adhered to base sheet 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, Derbibrute, 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: -67.5 psf. (See General Limitation #7)



Membrane Type: APP

Deck Type 7I: Recover, Insulated

Deck Description: 18-22 ga., 33 ksi steel.

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, Derbiboard CA, ACFoam-II, ACFoam-III, Ultra-Max Minimum 1.5" thick	N/A	N/A
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	N/A	N/A
DensDeck Prime Minimum ¼" thick	N/A	N/A
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" 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 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 or Two plies of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Derbibase, Derbibase Ultra or Derbigum GP mechanically fastened to the deck through the insulation as detailed below.

Fastening: Fasten base sheet at a 4" side lap 12" o.c. and two rows staggered in the center of the sheet 18" o.c. See System Limitation #5.

Ply Sheet: One or two plies of Derbigum GP, Derbibase or Derbibase Ultra 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 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 Permastic adhesive at an application rate of 1.5 to 2gal/sq. to ply sheet.



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

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



Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: 18-22 ga., 33 ksi steel.
System Type E(1): Base sheet mechanically fastened to roof deck. Membrane subsequently adhered.

All General and System limitations apply.

Base Sheet: One ply of PRS Glass Base, PRS Modified Base, Derbigum GP, Derbibase or Derbibase Ultra mechanically fastened to the deck as detailed below.

Fastening: Fasten base sheet at a 4" side lap 12" o.c. and two rows staggered in the center of the sheet 18" o.c. See System Limitation #5.

Ply Sheet: One or two plies of Derbigum GP, Derbibase or Derbibase Ultra 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.

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 Permastic adhesive at an application rate of 1.5 to 2gal/sq. to ply sheet.

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

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



Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type F(1): Membrane adhered to existing Smooth APP roof.

All General and System limitations apply.

Membrane: Derbibrute adhered with Permastic applied at a rate of 1.5 – 2.0 gal/sq. 3” wide side laps are torched adhered to the substrate.

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

Maximum Design Pressure: -142.5 psf. (See General Limitation #9)



Membrane Type: APP
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type F(2): Membrane adhered to existing BUR roof.

All General and System limitations apply.

Membrane: Derbigum GP, Derbicolor GP, Derbigum XPS, Derbicolor XPS, Derbigum GP-FR, Derbicolor GP-FR, Derbicolor P-FR, Derbigum XPS-FR, Derbicolor XPS-FR or Derbibrite adhered with Permastic applied at a rate of 1.5 – 2.0 gal/sq. 3” wide side laps are torched adhered to the substrate.

**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)



RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.
2. All assemblies listed herein shall be installed in compliance with the applicable sections of FBC 1521. Uplift performance of assemblies bonded to existing roofing system shall be verified per 1521.10. Uplift performance of assemblies mechanically attached through existing roofing system shall be verified per 1521.11.

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 Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform 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



NOA No.: 22-0706.06
Expiration Date: 08/23/27
Approval Date: 08/18/22
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