



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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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 Wood 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# 20-0127.04 and consists of pages 1 through 21.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 22-0706.03
Expiration Date: 08/23/27
Approval Date: 08/18/22
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: APP Modified Bitumen
Deck Type: Wood
Maximum Design Pressure -82.5 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	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.



NOA No.: 22-0706.03
Expiration Date: 08/23/27
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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: 90 lbs.	ASTM D 6222	Mineral surfaced fire-resistant APP modified bitumen polyester reinforced membrane for torch application or Permastic cold adhesive application.
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.
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.



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 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 Corporation
ACFoam-III	various	TAS 110	Polyisocyanurate foam insulation	Atlas Roofing Corporation
ACFoam Composite	various	TAS 110	Polyisocyanurate foam insulation	Atlas Roofing Corporation
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.
ENRGY 3	various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
ENRGY 3 25 PSI	various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
Ultra-Max	various	TAS 110	Polyisocyanurate foam insulation	Rmax Operating, LLC
FescoBoard	various	TAS 110	Expanded mineral fiber insulation	Johns Manville Corp.
Retro-Fit Board	various	TAS 110	Expanded mineral fiber insulation	Johns Manville Corp.
Structodek High Density Fiberboard Roof Insulation	various	TAS 110	Wood fiber insulation board	Blue Ridge Fiberboard, Inc.
SECUROCK Gypsum-Fiber Roof Board	various	TAS 110	Water resistant gypsum board	USG Corporation
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 DF-#14-PH3 Fasteners and Dekfast PLT-R-3 Plate	Insulation Fasteners for wood decks	Various	SFS Group USA, Inc.
2.	Trufast #14 HD Fastener, Trufast #14 Stainless Steel HD Fastener, Trufast 3" Metal Insulation Plate	Insulation fasteners for wood decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
3.	CR Base Sheet Fastener (1.2")	Base sheet fastening assembly	Various	OMG, Inc.
4.	#12 Standard Roofgrip & OMG Heavy Duty	Base sheet fastening assembly	Various	OMG, Inc.
5.	Perlok CR Base Sheet Fastener (1.2)	Base sheet fastening assembly	Various	Derbigum Americas, Inc.
6.	Perlok #12 DP, Perlok #14 HD	Base sheet fastening assembly	Various	Derbigum Americas, Inc.
7.	DUOTACK	Two-part elastomeric urethane foam adhesive	5, 50 gallon pail	SOPREMA, Inc.
8.	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

APPROVED ASSEMBLIES

Membrane Type:	APP
Deck Type 3I:	Wood, Insulated
Deck Description:	¹⁹ / ₃₂ " or greater plywood or wood plank.
System Type B(1):	Base layer of insulation mechanically attached, optional 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, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite, Ultra-Max Minimum 1.5" thick	1, 2, 3, 4, 5, 6	1:3ft ²
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	1, 2, 3, 4, 5, 6	1:3ft ²
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	1, 2, 3, 4, 5, 6	1:3ft ²
<u>Top 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
FescoBoard, Retro-Fit Board Minimum ³ / ₄ " thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum ¹ / ₂ " 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 hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft², Permastic at a full coverage rate of 1.5-2.0 gal/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet:	<p>One ply of PRS Glass Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra 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 Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra 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, Derbibase, PRS Modified Base, PRS Glass Base 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 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 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 3I: Wood, Insulated

Deck Description: ¹⁹/₃₂" or greater plywood or wood plank.

System Type B(2): Base layer of insulation mechanically attached, optional top layer 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, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite, Ultra-Max Minimum 1.5" thick	1, 2, 3, 4, 5, 6	1:45ft ²
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	1, 2, 3, 4, 5, 6	1:45ft ²
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	1, 2, 3, 4, 5, 6	1:45ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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>
FescoBoard, Retro-Fit Board Minimum ³ / ₄ " thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum ¹ / ₂ " 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 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. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of PRS Glass Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra 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 Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra torch-applied.



Ply Sheet:	(Optional) One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, Derbibase, PRS Modified Base, PRS Glass Base 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 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 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:	-60 psf. (See General Limitation #9)

Membrane Type: APP
Deck Type 3I: Wood, Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank.
System Type B(3): Base layer of insulation mechanically 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, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite, Ultra-Max Minimum 1.5" thick	1, 2, 3, 4, 5, 6	1:45ft²
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	1, 2, 3, 4, 5, 6	1:45ft²
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	1, 2, 3, 4, 5, 6	1:45ft²

<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: Base layer shall be mechanically attached with fasteners and density described above. 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).

Base Sheet: One ply of PRS Glass Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra 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 Base, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, Derbibase or Derbibase Ultra 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, PRS Modified Base, PRS Glass Base, 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 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 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:** -67.5 psf. (See General Limitation #9)



Membrane Type: APP
Deck Type 3I: Wood, Insulated
Deck Description: 19/32" or greater plywood or wood plank.
System Type B(4): Base layer of insulation mechanically attached, optional top layer adhered with OMG OlyBond 500.

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, Ultra-Max Minimum 1.5" thick	3, 4, 5, 6	1:33ft ²
Derbiboard, Derbiboard CA, ACFoam-II, ACFoam-III Minimum 1.3" thick	3, 4, 5, 6	1:33ft ²
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	3, 4, 5, 6	1:33ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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>
SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	N/A	N/A
SOPRABOARD Minimum 1/8" thick	N/A	N/A

Note: Apply top layer of insulation in OMG OlyBond 500 3/4" to 1" wide beads spaced 6" 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. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: Derbibase, Derbibase Ultra or Derbigum GP adhered to the insulated substrate with Permastic adhesive at an application rate of 1.5 to 2gal/sq. or torch-applied

Ply Sheet: (Optional) One or two plies of Derbibase, PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base or Derbibase Ultra adhered to the substrate with 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 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:**

-82.5 psf. (See General Limitation #9)



Membrane Type: APP

Deck Type 3I: Wood, Insulated

Deck Description: ¹⁹/₃₂" or greater plywood or wood plank.

System Type C(1): All layers of insulation are simultaneously fastened. Membrane subsequently adhered to insulation.

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, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite, 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
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

<u>Top 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	1, 2, 3, 4, 5, 6	1:3ft ²
FescoBoard, Retro-Fit Board Minimum ³ / ₄ " thick	1, 2, 3, 4, 5, 6	1:1.6ft ²
Structodek High Density Fiberboard Roof Insulation Minimum ¹ / ₂ " thick	1, 2, 3, 4, 5, 6	1:4ft ²

Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One ply of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, Derbibase or Derbibase Ultra 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, Derbibase, PRS Modified Base, PRS Glass Base 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 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 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 3I: Wood, Insulated

Deck Description: 19/32" or greater plywood or wood plank.

System Type D(1): All insulation is loosely 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>Insulation Layers (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Derbiboard, Derbiboard CA, Derbiboard Composite, ACFoam-II, ACFoam-III, ACFoam Composite, 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
ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	N/A	N/A
FescoBoard, Retro-Fit Board Minimum 2" 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: Two plies of PRS Glass Ply IV, PRS Glas Ply VI, PRS Modified Base, PRS Glass Base, Derbibase or Derbibase Ultra mechanically fastened to the deck through the insulation as detailed below.

Fastening: Fasten base sheet with #12 Standard Roofgrip or Trufast 3" Metal Insulation Plates and Trufast #14 HD Fasteners 12" o.c. at a 4" side lap 18" o.c. and two rows in the center of the sheet 12 in. from each base sheet side lap.

Ply Sheet: One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, 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 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 adhered with Permastic adhesive to 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 3I: Wood, Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank.
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 Modified Base, PRS Glass Base, PRS Glass Ply VI, Derbibase or Derbibase Ultra mechanically fastened to the deck as detailed below.

Fastening: Base sheet shall be lapped 4" and fastened with approved roofing nails and tin caps 9" o.c. in the lap and two rows staggered in the center of the sheet 18" o.c.

Ply Sheet: One or two plies of PRS Glass Ply IV, PRS Glass Ply VI, PRS Modified Base, PRS Glass Base, 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 XPS-FR, Derbicolor XPS-FR, Derbigum P, Derbicolor P, Derbicolor P-FR, Bitutak MB Mineral, Resisto Bitutak MB Mineral, Bitutak Cold or Bitutak Cold Mineral torch applied or adhered with Permastic adhesive to 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)

WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 22-0706.03
Expiration Date: 08/23/27
Approval Date: 08/18/22
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