



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/building/

NOTICE OF ACCEPTANCE (NOA)

Tremco Inc.
3735 Green Road
Beachwood, OH 44122

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: Tremco Modified Bitumen Roofing 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 revises NOA No. 11-0623.02 and consists of pages 1 through 18.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 16-0419.02
Expiration Date: 08/09/21
Approval Date: 10/10/19
Page 1 of 18

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Material: SBS
Deck Type: Wood
Maximum Design Pressure -112.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
BURmastic Adhesive	5 or 55 gallons	Proprietary	Cold applied ply sheet and surfacing adhesive.
BURmastic Adhesive SF	5 gallons	Proprietary	Cold applied ply sheet adhesive.
BURmastic Composite Ply HT	3' x 72'	ASTM D 4601 Type II	Asphalt coated, polyester/fiberglass reinforced base/ply sheet.
BURmastic Composite Ply Premium	3' x 72'	ASTM D 4601 Type II	Asphalt coated, polyester/fiberglass reinforced base/ply sheet.
BURmastic Supreme Composite Ply	3' x 72'	ASTM D 4601 Type II	Asphalt coated, polyester/fiberglass reinforced base/ply sheet.
BURmastic Composite Ply HT Green	3' x 72'	ASTM D 4601 Type II	Asphalt coated, polyester/fiberglass reinforced base/ply sheet.
BURmastic Composite Ply Premium Green	3' x 72'	ASTM D 4601 Type II	Asphalt coated, polyester/fiberglass reinforced base/ply sheet.
BURmastic Glass Ply	3' x 72'	ASTM D 4601 Type II	Asphalt coated, fiberglass reinforced base/ply sheet.
BURmastic Glass Ply 28 lb	3' x 108'	ASTM D 4601 Type II	Asphalt coated, fiberglass reinforced base/ply sheet.
FAS-N-FREE	System	Proprietary	One part, solvent free insulation adhesive.
PolyTHERM Roofing Ply	39' ¾" x 318'	Proprietary	Non-woven reinforced, heat resistant polyester ply sheet.
POWERply Standard FR	39' ½" x 34.5'	ASTM D 6163	Fiberglass reinforced modified-bitumen membrane.
POWERply Premium FR	39' ½" x 34.5'	ASTM D 6162	Composite reinforced modified-bitumen membrane.
POWERply Premium Smooth	39.4" x 51.5'	ASTM D 6162	Composite reinforced modified-bitumen membrane.

POWERply 300 Smooth	39.4" x 51.5"	ASTM D 6162	Composite reinforced modified-bitumen membrane.
POWERply 300 FR	39' ³ / ₈ " x 34' 5"	ASTM D 6162	Composite reinforced modified-bitumen membrane.
POWERply Standard Smooth	36" x 56' 8"	ASTM D 6163	Fiberglass reinforced, smooth surfaced, heat resistant modified bitumen membrane.
POWERply Heavy Duty Base Sheet	36" x 36'	ASTM D 6163	Fiberglass reinforced modified-bitumen membrane.
POWERply Plus HT Smooth	36" x 56' 8"	ASTM D 6163	Fiberglass reinforced, smooth surfaced, heat resistant modified bitumen membrane.
POWERply Standard FR GT24W	39' ³ / ₈ " x 32' 10"	ASTM D 6163	Fiberglass reinforced, granule surfaced, heat resistant modified bitumen membrane.
POWERply HE Smooth	39' ³ / ₈ " x 51' 6"	ASTM D 6164	Non-woven reinforced, smooth surfaced, polyester modified-bitumen membrane.
POWERply APP Base Sheet	39' ³ / ₈ " x 48' 10"	ASTM D6509	Fiberglass reinforced APP modified-bitumen membrane.
POWERply APP Smooth	39' ³ / ₈ " x 32' 10"	ASTM D 6222	Non-woven polyester reinforced, smooth surfaced, heat resistant modified bitumen.
POWERply APP FR	39' ³ / ₈ " x 32' 10"	ASTM D6222	Granule surfaced, fire rated, polyester reinforced APP modified bitumen membrane.
POWERply Standard Smooth HW	39' ³ / ₈ " x 32' 10"	ASTM D 6163	A glass reinforced SBS modified bitumen base sheet for heat welded applications.
POWERply Standard FR GT24W	39' ³ / ₈ " x 32' 10"	ASTM D 6163	Fiberglass reinforced, granule surfaced, heat resistant modified bitumen membrane.
POWERply HE FR Plus	39' ³ / ₈ " x 34' 5"	ASTM D 6164	Non-woven reinforced, granule surfaced, heat resistant modified bitumen membrane.
POWERply Standard FR HW	39' ³ / ₈ " x 32' 10"	ASTM D 6163	A fire resistant, glass reinforced SBS modified bitumen membrane surfaced with granules for use in heat weld applications.
POWERply Standard FR GT24 HW	39' ³ / ₈ " x 32' 10"	ASTM D 6163	A fire resistant, polyester reinforced SBS modified bitumen membrane surfaced with granules, cool roof coating and a white reflective coating for use in heat weld applications.
POWERply Plus HT FR	36" x 38'	ASTM D 6163	Fiberglass and scrim core reinforced, granule surfaced modified bitumen.



PermaPly 28	36" x 106'	ASTM D 4601 Type II	Type II asphalt impregnated and coated glass fiber base sheet.
Ventsulation Felt	36" x 36'	ASTM D 4897 Type II	Heavy duty fiber glass base sheet impregnated and coated on both sides with asphalt with or without fine mineral stabilizer.
POWERply Standard Cold Adhesive	5 and 55 gallons	Proprietary	Cold applied ply sheet and membrane adhesive.
THERMastic 80	60 lb. Containers	Proprietary	Polymer modified hot melt adhesive.
Premium III	100 lb. keg	ASTM D 312	Premium grade Type III asphalt.
Premium IV	100 lb. keg	ASTM D 312	Premium grade Type IV asphalt.
THERMglass Type IV	36" x 180'	ASTM D 2178 Type IV	Type IV asphalt impregnated glass felt.
THERMglass Premium VI	36" x 180'	ASTM D 2178 Type VI	Type VI asphalt impregnated glass felt.
TREMprime WB primer	5 gallons	Proprietary	Water based roofing primer.
Tremco Low Rise Foam Insulation Adhesive	1.5 liters	Proprietary	One part, solvent free adhesive used for adhering approved insulations to approved substrates.
Tremco Low Rise Foam Insulation Adhesive (BG)	1.5 liters	Proprietary	One part, solvent free adhesive used for adhering approved insulations to approved substrates.
Tremco LR Adhesive	1.5 liters	Proprietary	One part, solvent free adhesive used for adhering approved insulations to approved substrates.
Tremco LR Adhesive (BG)	1.5 liters	Proprietary	One part, solvent free adhesive used for adhering approved insulations to approved substrates.
POWERply Endure BIO Adhesive	Part A – 5 gallons Part B – 1 gallon	Various	Two component, low odor, bio based polyurethane adhesive.

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
Structodek High Density Fiberboard Roof Insulation	Various	TAS 110	Wood fiber insulation board	Blue Ridge Fiberboard, Inc.
STURDY-DEK	Various	TAS 110	Asphaltic cover board	Blue Ridge Fiberboard, Inc.
EnergyGuard Polyiso Insulation	Various	TAS 110	Polyisocyanurate foam insulation	GAF
ENRGY 3	Various	TAS 110	Polyisocyanurate foam insulation	Johns Manville Corp.
Ultra-Max	Various	TAS 110	Polyisocyanurate foam insulation	Rmax Operating, LLC
Multi-Max FA-3	Various	TAS 110	Polyisocyanurate foam insulation	Rmax Operating, LLC
DensDeck	Various	TAS 110	Water resistant gypsum board	Georgia Pacific Gypsum LLC
ISO 95+ GL	Various	TAS 110	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
RESISTA	Various	TAS 110	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
Trisotech G	Various	TAS 110	Polyisocyanurate foam insulation	Tremco, 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	Insulation fastener for steel and wood decks.	Various	SFS Group USA, Inc.
2.	Dekfast DF-#14-PH3	Insulation fastener for steel, wood and concrete decks.	Various	SFS Group USA, Inc.
3.	Dekfast DF-#15-PH3	Insulation fastener for steel, wood and concrete decks.	Various	SFS Group USA, Inc.
4.	#12 Standard Roofgrip	Insulation fastener for steel and wood decks.	Various	OMG, Inc.
5.	#14 Roofgrip	Insulation fastener for steel, wood and concrete decks.	Various	OMG, Inc.
6.	#15 Roofgrip	Insulation fastener for steel, wood and concrete decks.	Various	OMG, Inc.
7.	Dekfast PLT-R-3	Carbon steel, Senti (black).	3" round	SFS Group USA, Inc.
8.	3 in. Round Metal Plate	Galvalume AZ50 stress plate.	3" round	OMG, Inc.
9.	Recessed Metal Plate	Galvalume steel plate.	3" square	OMG, Inc.
10.	ASAP RoofGrip Pre-Assembled System	Pre-assembled Roofgrip #12, #14, #15, OMG heavy Duty and XHD fasteners with approved plates.	Various	OMG, Inc.
11.	Trufast #12 DP Fastener	Insulation fastener for steel and wood decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
12.	Trufast #14 HD Fastener	Insulation fastener for steel, wood and concrete decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
13.	Trufast #15 EHD Fastener	Insulation fastener for steel, wood and concrete decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
14.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 stress plate.	3" round	Altenloh, Brinck & Co. U.S., Inc.
15.	Trufast Recessed Batten Bar	Batten bar for mechanical attachment of membrane.	1" wide x 10' long with recessed holes	Altenloh, Brinck & Co. U.S., Inc.
16.	Tremco #12 DP Fastener	Insulation fastener for steel and wood decks.	Various	Tremco, Inc.

17.	Tremco #14 HD Fastener	Insulation fastener for steel, wood and concrete decks.	Various	Tremco, Inc.
18.	Tremco #15 EHD Fastener	Insulation fastener for steel, wood and concrete decks.	Various	Tremco, Inc.
19.	Tremco 3" Metal Insulation Plate	Galvalume AZ50 stress plate.	3" round	Tremco, Inc.
20.	Tremco 2" Barbed Seam Plate	Galvalume AZ50 stress plate.	2" round	Tremco, Inc.
21.	Trufast 2" Barbed Metal Seam Plate	Galvalume AZ50 stress plate.	2" round	Altenloh, Brinck & Co. U.S., Inc.
22.	Millennium PG-1 Low Viscosity Insulation Adhesive	Polyurethane two component low rise insulation adhesive.	1.5 liters	Adco Products, Inc. d.b.a. Royal Adhesives & Sealants, Inc.
23.	Millennium One Step Foamable Adhesive	Polyurethane two component high rise insulation adhesive.	1.5 liters	Adco Products, Inc. d.b.a. Royal Adhesives & Sealants, 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.	Tremco, Inc.	Flood coat of THERMastic 80 adhesive or hot roofing asphalt and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.
2.	Tremco, Inc.	Flood coat of BURmastic Adhesive (aka POWERply Standard Cold Adhesive) or Premium III, Premium IV and gravel/slag with an application rate of 4.0-5.0 gal/sq., 48-72 lbs./sq., & 400 lbs./sq., respectively.
3.	Tremco, Inc.	Flood coat of Rock-It Adhesive and gravel/slag with an application rate of 5.0 gal./sq. & 200 lbs./sq., respectively.
4.	Tremco, Inc.	Flood coat of Rock-It Adhesive WB and gravel/slag with an application rate of 5.0 gal./sq. & 200 lbs./sq., respectively.
5.	Tremco, Inc.	TremLastic S adhesive with an application rate of 4.0-5.0 gal./sq.
6.	Tremco, Inc.	Alumanation 301 with an application rate of 2.0-2.5 gal./sq.
7.	Tremco, Inc.	ICE Coating with an application rate of 4.0-5.0 gal./sq.

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Report</u>	<u>Test Name</u>	<u>Date</u>
Factory Mutual Research Corporation	1994 FM	Current Insulation Fastening Requirements	01/01/94
	2Y9A5.AM	FM 4470	11/13/95
	2D1A8.AM	FM 4470	07/27/00
	0D0A9.AM	FM 4470	08/01/00
	3015502	FM 4470	12/30/04
	3042560	FM 4470	04/23/12
PRI Asphalt Technologies, Inc.	TRE-15-02-01	Physical Properties	05/25/99
	JMC-074-02-01	ASTM D4897	04/17/12
	TRE-055-02-01	ASTM D6509	05/29/12
	TRE-057-02-01	ASTM D4601	07/24/12
	TRE-058-02-01	ASTM D4601	07/24/12
	TRE-060-02-01	ASTM D5726	07/24/12
	JMC-093-02-01	ASTM D4601	08/02/12
	TRE-063-02-01	ASTM D6163	10/04/12
	TRE-064-02-01	ASTM D6163	10/04/12
	TRE-066-02-01	ASTM D6162	10/04/12
	TRE-061-02-01	ASTM D6163	10/04/12
	TRE-073-02-01	ASTM D312	12/04/12
	TRE-074-02-01	ASTM D312	12/04/12
	TRE-106-02-01	ASTM D2178	12/18/12
	TRE-107-02-01	ASTM D2178	12/18/12
	JMC-053-02-01	ASTM D6222	05/01/13
	JMC-234-02-03	ASTM D6163	04/29/15
Underwriters Laboratories, Inc.	TGFU.R6692	Fire Classification Compliance	02/07/18
Momentum Technologies, Inc.	DX12K5A	ASTM D 6163	11/07/05
	CX13K5A	ASTM D 6162	11/07/05
	DX11K5A	ASTM D 6164	11/07/05
Trinity ERD	SC6775.12.14	FM 4474 / TAS 114	12/31/14
	TRM-SC8725.06.15	Various Standards	06/10/15
	SC9625.11.15-2-R1	FM 4474 / TAS 114	11/17/15
	TRM-SC9680.03.16-R1	ASTM D6164	03/29/16
	TRM-SC9680.05.16	ASTM D4601	05/03/16
	11675.06.16-1	FM 4474 / TAS 114	06/08/16
NEMO etc.	13625.01.18-1	FM 4474 / TAS 114	01/08/18
	13625.11.17-4B	FM 4474 / TAS 114	01/08/18
	TRM-SC13455.11.17-1-R2	Various Standards	01/15/18
	TRM-SC13455.11.17-2-R2	Various Standards	01/15/18

APPROVED ASSEMBLIES:

Membrane Type:	SBS
Deck Type II:	Wood, Insulated
Deck Description:	¹⁵ / ₃₂ " APA rated CDX plywood at 24" spans attached with 8d ring shank nails spaced 6" o.c.
System Type A(1):	Anchor sheet mechanically fastened; one or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Anchor Sheet:	BURmastic Glass Ply 28 lb fastened to the deck as described below:
Fastening:	Anchor sheet shall be lapped 2" and fastened with 32 ga., 1-5/8" diameter tin caps with 12 ga. Annular ring shank nails 9" o.c. at the lap and three equally spaced rows staggered in the center of the sheet 9" o.c.
Vapor Barrier:	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Heavy Duty Base Sheet, POWERply Plus HT Smooth or POWERply HE Smooth adhered to the anchor sheet in POWERply Endure BIO Adhesive at full-coverage, 2.0 gal./sq.

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>
ENRGY 3, ACFoam-II, Trisotech G, ACFoam-III, EnergyGuard Polyiso Insulation, H-Shield, ISO 95+ GL, Multi-Max FA-3, Ultra-Max Minimum: 1.0" thick	N/A	N/A

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density ft²</u>
STURDY-DEK Minimum: ¹ / ₈ " thick	N/A	N/A

Note: All insulation shall be adhered to the vapor barrier with Tremco Low Rise Foam Insulation Adhesive, Tremco Low Rise Foam Insulation Adhesive (BG), , Tremco LR Adhesive, Tremco LR Adhesive (BG), Millennium One Step Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive in continuous ribbons spaced maximum 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Base Sheet:	POWERply Standard Smooth HW, torch-applied.
Ply Sheet: (Optional)	POWERply Standard Smooth HW, torch-applied.



Cap Sheet: POWERply Standard FR HW or POWERply Standard FR GT24 HW, torch-applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design
Pressure:** -45 psf (See General Limitation #7.)



Membrane Type: SBS

Deck Type II: Wood, Insulated

Deck Description: Min. $1\frac{5}{32}$ " Plywood or wood plank at max. 24" spans attached 6" o.c. with 8d ring shank nails.

System Type D(1): All layers of insulation and base sheet simultaneously attached. Membranes subsequently adhered to base sheet.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> <u>(Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Trisotech G Minimum 1.0" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum 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: POWERply HE Smooth, mechanically attached to the deck as described below:

Fastening: Attach base sheet using Trufast #14 HD Fasteners or Tremco #14 HD Fasteners with Trufast Recessed Batten Bars with row spacing 6" o.c. within the 4" wide side laps. Side laps are sealed with BURmastic Adhesive SF or hot air welded.

Ply Sheet: None

Cap Sheet: POWERply Premium Smooth, POWERply Premium FR, POWERply Standard FR, POWERply Standard FR GT24W, POWERply Plus HT FR or POWERply HE FR Plus adhered with POWERply Standard Cold Adhesive or BURmastic Adhesive at a rate of 1.5-2.0 gal./sq.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



Membrane Type: APP

Deck Type II: Wood, Insulated

Deck Description: Min. 1⁵/₃₂" Plywood or wood plank at max. 24" spans attached 6" o.c. with #8d ring shank nails.

System Type D(2): All layers of insulation and base sheet simultaneously attached. Membranes subsequently adhered to base sheet.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> <u>(Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Tristocech G Minimum 1.0" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum 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: POWERply HE Smooth, mechanically attached to the deck as described below:

Fastening: Attach base sheet using Trufast #14 HD Fasteners or Tremco #14 HD Fasteners with Trufast Recessed Batten Bars with row spacing 6" o.c. within the 4" wide side laps. Side laps are sealed with BURmastic Adhesive SF or hot air welded.

**Ply Sheet:
(Optional)** POWERply APP Smooth, torch-applied.

Cap Sheet: POWERply APP Smooth or POWERply APP FR, torched-applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



Membrane Type:	SBS
Deck Type 1I:	Wood, Insulated
Deck Description:	Min. 19/32" Plywood or wood plank at max. 24" spans attached 6" o.c. with #9 x 2 1/2" screws.
System Type D(3):	All layers of insulation and base sheet simultaneously attached. Membranes subsequently adhered to base sheet.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> <u>(Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Tristocech G Minimum 1.0" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum 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:	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green, mechanically attached as detailed below:
Fastening #1:	Trufast #14 HD or Tremco #14 HD with Trufast 2.4" Barbed Metal Seam Plates or Tremco 2.4" Barbed Seam Plates at 6" o.c. within the 4" wide side laps.
Ply Sheet: (Optional)	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq. Or POWERply Premium Smooth, POWERply 300 Smooth, POWERply Standard Smooth, POWERply Heavy Duty Base Sheet, POWERply Plus HT Smooth or POWERply HE Smooth adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq.
Cap Sheet:	POWERply Premium Smooth, POWERply 300 Smooth, POWERply 300 FR, POWERply Premium FR, POWERply Standard FR, POWERply Standard FR GT24W, POWERply Plus HT FR or POWERply HE FR Plus adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq.
Surfacing: (Optional)	Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
Maximum Design Pressure:	-67.5 psf (See General Limitation #7.)



Membrane Type:	SBS
Deck Type II:	Wood, Insulated
Deck Description:	Min. 19/32" Plywood or wood plank at max. 24" spans attached 6" o.c. with #9 x 2 1/2" screws.
System Type D(4):	All layers of insulation and base sheet simultaneously attached. Membranes subsequently adhered to base sheet.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> <u>(Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Trisotech G Minimum 1.0" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum 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:	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green, mechanically attached as detailed below:
Fastening #1:	Trufast #14 HD or Tremco #14 HD with Trufast 2.4" Barbed Metal Seam Plates or Tremco 2.4" Barbed Seam Plates at 6" o.c. within the 4" wide side laps.
Ply Sheet: (Optional)	<p>BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq.</p> <p>Or</p> <p>POWERply Premium Smooth, POWERply 300 Smooth, POWERply Standard Smooth, POWERply Heavy Duty Base Sheet, POWERply Plus HT Smooth or POWERply HE Smooth adhered with BURmasatic Adhesive SF at a rate of 2.0 gal./sq., or adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq.</p> <p>Or</p> <p>BURmastic Glass Ply, BURmastic Glass Ply 28 lb, THERMglass Type IV, THERMglass Premium VI, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green adhered with approved mopping of asphalt applied with the EVT range at an application rate of 20-40 lbs./sq. or adhered with THERMastic 80 at a rate of 25-30 lbs./sq.</p> <p>Or</p> <p>POWERply Premium Smooth, POWERply 300 Smooth, POWERply Standard Smooth, POWERply Heavy Duty Base Sheet, POWERply Plus HT Smooth or POWERply HE Smooth adhered with approved mopping of asphalt applied with the EVT range at an application rate of 20-40 lbs./sq. or adhered with THERMastic 80 at a rate of 25-30 lbs./sq.</p>

Cap Sheet:

POWERply Premium Smooth, POWERply 300 Smooth, POWERply 300 FR, POWERply Premium FR, POWERply Standard FR, POWERply Standard FR GT24W, POWERply Plus HT FR or POWERply HE FR Plus adhered with BURmastic Adhesive SF at a rate of 2.0 gal./sq., or adhered with POWERply Endure BIO Adhesive at a rate of 2.0 gal./sq., or adhered with approved mopping of asphalt applied with the EVT range at an application rate of 20-40 lbs./sq., or adhered with THERMastic 80 at a rate of 25-30 lbs./sq.

**Surfacing:
(Optional)**

Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design
Pressure:**

-67.5 psf (See General Limitation #7.)



Membrane Type:	SBS/APP
Deck Type II:	Wood, Insulated
Deck Description:	Min. 19/32" Plywood or wood plank at max. 24" spans attached 6" o.c. with #9 x 2 1/2" screws.
System Type D(5):	All layers of insulation and base sheet simultaneously attached. Membranes subsequently adhered to base sheet.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> <u>(Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Trisotech G Minimum 1.0" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum 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:	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green or BURmastic Composite Ply Premium Green, mechanically attached as detailed below:
Fastening #1:	Trufast #14 HD or Tremco #14 HD with Trufast 2.4" Barbed Metal Seam Plates or Tremco 2.4" Barbed Seam Plates at 6" o.c. within the 4" wide side laps.
Ply Sheet: (Optional)	POWERply APP Base Sheet or POWERply APP Smooth, torch-applied. Or POWERply HE Smooth or POWERply Standard Smooth HW, torch-applied.
Cap Sheet:	POWERply APP Smooth or POWERply APP FR, torch-applied. Or POWERply HE FR Plus, POWERply Standard FR HW or POWERply Standard FR GT24 HW, torch-applied.
Surfacing: (Optional)	Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
Maximum Design Pressure:	-67.5 psf (See General Limitation #7.)



WOOD DECK SYSTEM LIMITATIONS:

1. A slip-sheet is required with Ply IV and Ply VI 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