



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

GAF

**1 Campus Drive
Parsippany, NJ 07054**

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: GAF EverGuard® Freedom™ TPO HW 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 No. 15-0203.24 and consists of pages 1 through 15.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 19-0617.04
Expiration Date: 09/15/24
Approval Date: 09/12/19
Page 1 of 15

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply Roofing
Material:	TPO
Deck Type:	Wood
Maximum Design Pressure:	-67.5 psf.

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>
EverGuard® Freedom™ TPO HW	Various	ASTM D6878 TAS 131	Self-adhered thermoplastic olefin reinforced single-ply membrane with a heat weldable seam.
GAFGLAS® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
Tri-Ply® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	A smooth surfaced asphaltic nailable venting base sheet reinforced with fiberglass mat. Bottom side surfaced with granules.
VersaShield® Fire-Resistant Roof Deck Protection	12" x 100' rolls	ASTM D226	Non-asphaltic fiberglass-based underlayment and /or fire barrier.
StormSafe™ Anchor Sheet	48" wide	ASTM D4601	A synthetic anchor sheet manufactured of polypropylene woven fabric coated on both sides with polypropylene.
Ruberoid® 20 Smooth	39.37" (1 meter) Wide	ASTM D6163	SBS polymer-modified asphalt base sheet reinforced with a glass fiber mat.
Ruberoid® Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
Ruberoid® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
EverGuard® TPO Coated Metal	4' x 10' sheets	Proprietary	24 gauge steel with a 25 mil thick GAF TPO for edge detailing.
EverGuard® TPO Cover Tape	6" x 100' 10" x 100'	Proprietary	GAF TPO laminated to white butyl tape primarily used for edge metal details.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
EverGuard® TPO Cover Tape Heat-Weld™	6" x 100'	Proprietary	Flashing strip manufactured from unreinforced GAF TPO laminated to a six inch wide strip, half the strip with a self-adhered side and half the strip with a heat-weldable edge; used for edge metal details.
EverGuard® TPO Detailing Membrane	24" x 50'	Proprietary	Unreinforced flashing material manufactured from GAF TPO.
EverGuard® TPO Flashing Strip	Various	Proprietary	Reinforced flashing membrane manufactured from GAF TPO.
EverGuard® TPO Pourable Sealer Pocket	9" x 6" x 4" oval with 3" base flange	Proprietary	Pourable sealer pocket is molded with GAF TPO compound to a nominal 70 mil thickness designed for waterproofing irregular shaped roof penetrations.
EverGuard® TPO RTA (Roof Transition Anchor) Strip™	6" x 100' roll	Proprietary	Reinforced GAF TPO membrane with pressure sensitive adhesive primarily used to secure membrane transitions from the field to vertical surfaces.
EverGuard® TPO Split Pipe Boot	1" - 2" 3" - 5" 6" - 8"	Proprietary	Reinforced GAF TPO membrane split to accommodate most common pipes and conduits.
EverGuard® TPO Square Tube Wrap	4" x 4" 4" x 6" 6" x 6"	Proprietary	Reinforced GAF TPO with split design overlap to be wrapped around square or rectangular tubing.
EverGuard® TPO Corner Curb Wrap	Various	Proprietary	Corners fabricated from reinforced GAF TPO.
EverGuard® TPO Scupper	4" x 6" x 12" 8" x 10" x 12"	Proprietary	Scupper manufactured from coated metal and unreinforced GAF TPO.
EverGuard® TPO T-Joint Cover Patch	100 patches per box	Proprietary	T-Joint patch manufactured from unreinforced GAF TPO.
EverGuard® TPO Vent	2 vents per carton	Proprietary	Vent manufactured from reinforced GAF TPO membrane and galvanized steel.
EverGuard® TPO T-Top Vent	4" or 6"	Proprietary	Vent manufactured from reinforced GAF TPO membrane and galvanized steel.
EverGuard® TPO Walkway Rolls	Rolls 1/8" x 30" x 50'	Proprietary	Standard duty TPO walkway rolls.
EverGuard® TPO Inside Corner	6" x 6" x 5/4"	Proprietary	Inside corner manufactured from unreinforced GAF TPO.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
EverGuard® TPO Vent Boot	1" - 6" o.d. 6 pcs. crtn.	Proprietary	Vent pipe boot molded from GAF TPO and supplied with stainless steel clamping rings.
EverGuard® TPO Universal Corners	Various	Proprietary	Universal corners manufactured from GAF TPO that are heat seamable and designed to accommodate both inside and outside corners of base and curb flashings manufactured from GAF TPO.
EverGuard® TPO Expansion Joint Cover	Various	Proprietary	Low profile joint cover manufactured from reinforced GAF TPO.
EverGuard® TPO Cut Edge Sealant	1 quart squeeze tube	Proprietary	Clear solvent based sealant for TPO cut edges.
EverGuard® TPO Drain	Various	Proprietary	Spun aluminum drain pre-flashed with non-reinforced GAF TPO.
EverGuard® TPO Seam Cleaner	1 gallon	Proprietary	Solvent based seam cleaner.
EverGuard® TPO Standing Seam Tape	6"	Proprietary	A white butyl tape.
EverGuard® TPO Fluted Corner	8" diameter nominal .05" non-reinforced	Proprietary	Flashing for outside corners of base and curb flashing manufactured from non-reinforced GAF TPO.
Topcoat® Membrane	1, 5 or 55 gallons	ASTM D6083	Acrylic, water based elastomeric membrane system designed to protect various types of roof surfaces.
Topcoat® TPO Red Primer	1 gallon	Proprietary	Tinted primer used on TPO to improve adhesion of Topcoat® coatings.
TopCoat® FireOut™ Fire Barrier Coating	5 or 55 gallons	Proprietary	Low VOC, water-based fire barrier coating.
EverGuard® TPO Primer	1 gallon	Proprietary	Solvent-based VOC Compliant TPO primer
EverGuard® Low VOC TPO Primer	1 gallon	Proprietary	Low VOC TPO Primer



APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Perlite Roof Insulation	Perlite insulation board	GAF
DensDeck® Roof Board	Gypsum board	Georgia Pacific Gypsum LLC
Securock® Gypsum-Fiber Roof Board	Gypsum board	United States Gypsum Corporation
Securock® Glass-Mat Roof Board	Gypsum board	United States Gypsum Corporation



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Drill-Tec™ #12 Fasteners	Phillips head, modified buttress thread, pinch point, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. length, #3 Phillips head	GAF
2.	Drill-Tec™ #14 Fasteners	Truss head, self-drilling, pinch point, high thread fastener for use in steel, wood or concrete decks.	#14 x 16" max. length, #3 Phillips head	GAF
3.	Drill-Tec™ 3" Standard Steel Plate	Galvalume® coated steel stress plate for use with approved Drill-Tec™ fasteners.	3" Round	GAF
4.	Drill-Tec™ 3" Ribbed Galvalume® Plate (Flat)	Round Galvalume® plated steel stress plate with reinforcing ribs for use with Drill-Tec™ fasteners.	3" Round	GAF
5.	Drill-Tec™ AccuTrac® Recessed Plate	Galvalume® steel plate with recess for use with Drill-Tec™ fasteners.	3" square; .017" thick	GAF
6.	Drill-Tec™ ASAP 3S	Drill-Tec™ #12 Fastener with Drill-Tec™ 3" Standard Steel Plate.	See components	GAF
7.	Annular Ring Shank Nails & Tin Caps	12 gage, annular ring shank nails with 32 gage galvanized corrosion resistant stress plate.	Nail: Min. 1-1/4" length Tin Caps: Min. 1-5/8" Dia.	Generic Miami-Dade Approved



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
UL LLC	UL 790	R10689	06/08/18
	UL 790	R1306	08/29/19
Factory Mutual Research Corp.	FM 4470	3B9Q1.AM	01/08/98
	FM 4470	3020588	03/24/04
	FM 4470	3032811	12/11/08
	FM 4470	3041535	06/08/11
	FM 4470	3036980	08/14/14
IRT-ARCON	TAS 114	04-025	07/13/04
PRI Construction Materials Technologies LLC	ASTM D6878/TAS 131	GAF-426-02-01	01/27/14
	ASTM D6878/TAS 131	GAF-423-02-01	01/27/14
	ASTM D6878/TAS 131	GAF-501-02-01	01/27/14
	ASTM D1970	GAF-343-02-01	04/23/12
	ASTM D1970	GAF-344-02-01	04/23/12
	ASTM D1970	GAF-275-02-01	11/11/10
	ASTM D6083	GAF-082-02-01	06/10/10
	ASTM C1289	GAF-369-02-01	10/22/12
	ASTM D2178	GAF-315-02-01	08/23/11
	ASTM D2178	GAF-314-02-01	08/23/11
	ASTM D6083	GAF-499-02-01	03/12/14
	ASTM 6083	GAF-276-02-01REV	01/04/11
	ASTM D226	GAF-270-02-02	11/15/10
	TAS 114	GAF-514-02-07	05/12/14
	TAS 114	GAF-514-02-03	05/12/14
	TAS 114	GAF-514-02-04	05/12/14
	TAS 114	GAF-514-02-05	05/12/14
	Proprietary	GAF-349-02-01	06/19/12
	ASTM C1289	GAF-464-02-01	02/06/14
	Proprietary	GAF-508-02-01	03/12/14
TAS 114	GAF-514-02-08	05/12/14	
TAS 114	GAF-559-02-11	10/16/14	
ASTM C1289	GAF-629-02-01	03/01/16	
Trinity ERD	ASTM D4601	G121110.12.08	12/02/08
	ASTM D6163	G43180.01.14-1	01/10/14
	ASTM D6164	G31360.03.10	03/31/10
	ASTM D6164	G40630.01.14-2A-1-R1	04/10/14
	ASTM D4601	G43140.04.11-4-R2	04/25/11
	ASTM D4897	G34140.04.11-5-R3	04/25/11
	ASTM D6164	GAF-SC13105.03.17-R1	03/23/17
NEMO etc.	Physical Properties	4q-GAF-19-SSMBB-03.A	05/13/19
	ASTM D6163	4q-GAF-19-SSMBB-02.A	04/08/19



APPROVED ASSEMBLIES:

- Membrane Type:** TPO
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c
- System Type A:** All layers of insulation are adhered to a mechanically attached anchor sheet. Membrane adhered to insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: Topcoat FireOut™ Fire Barrier Coating or VersaShield® Fire-Resistant Roof Deck Protection applied per manufacturer instructions.
(Optional)

Anchor sheet: GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, GAFGLAS® Stratavent® Eliminator™ Nailable Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth or Ruberoid® Mop Smooth 1.5 mechanically fastened (through the fire barrier when present) to the wood deck with Miami Dade approved annular ring shank nails and tin caps at a spacing of 8" o.c. at the lap staggered and in two rows 8" o.c. in the field.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, , EnergyGuard™ RN Polyiso Insulation Minimum 1" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or ¾" to 1" wide ribbons spaced at 6" o.c. of OlyBond500®, OlyBond 500® Green or OlyBond® Adhesive at a rate of 1 gal/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EverGuard® Freedom™ TPO HW adhered to insulation and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.
(Optional)

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

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



Membrane Type: TPO

Deck Type II: Wood, Insulated

Deck Description: Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c.

System Type C: Insulation mechanically attached; membrane adhered to insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) Min. 1/4" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation thick preliminary fastened to deck with 4 fasteners per board or VersaShield® Fire-Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation Minimum 1.5" thick	1, 3, 5, 6	1:1.3 ft ²

Note: All layers of insulation shall be simultaneously fastened through the optional fire barrier (when present) into the wood deck; see insulation layer above 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.

Membrane: EverGuard® Freedom™ TPO HW adhered to insulation and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

Pressure: -52.5 psf. (See General Limitation #7)



- Membrane Type:** TPO
- Deck Type 1I:** Wood, Insulated
- Deck Description:** Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c.
- System Type D(1):** Insulation is preliminary attached to roof deck, anchor sheet is mechanically fastened through the insulation into the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

- Fire Barrier: (Optional)** Min. 1/4" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation loose laid or VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ Polyiso Insulation Minimum 1" thick	N/A	N/A

Note: Insulation is preliminarily fastened to roof deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Anchor sheet:** StormSafe™ Anchor Sheet is mechanically fastened through the insulation into the wood deck with Drill-Tec™ 3" Ribbed Galvalume Plate (Flat) and Drill-Tec™ #14 Fasteners spaced 8 in. o.c. along the 4 in. wide side laps and 8 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).

- Membrane:** EverGuard® Freedom™ TPO HW or adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

- Surfacing: (Optional)** **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

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



Membrane Type: TPO
Deck Type 1I: Wood, Insulated
Deck Description: Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.
System Type D(2): Insulation is preliminary attached to roof deck, anchor sheet is mechanically fastened through the insulation into the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: Min. 1/4" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation thick loose laid or VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.
(Optional)

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ Polyiso Insulation, Minimum 1" thick	N/A	N/A

Note: Insulation is preliminarily fastened to roof deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened through the insulation into the wood deck with Drill-Tec™ 3" Ribbed Galvalume Plate (Flat), Drill-Tec™ 3" Standard Steel Plate, Drill-Tec™ AccuTrac® Recessed Plate or Drill-Tec™ 3" Steel Plate and Drill-Tec™ #14 Fasteners spaced 18 in. o.c. along the 4 in. wide base sheet side laps and 18 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**
(Optional)

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

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



Membrane Type: TPO
Deck Type II: Wood, Non-Insulated
Deck Description: Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.
System Type E(1): Anchor sheet mechanically attached to roof deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Drill-Tec™ 3" Ribbed Galvalume® Plate (Flat) and Drill-Tec™ #14 Fasteners spaced 18 in. o.c. along the 4 in. wide side lap and 18 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

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



Membrane Type: TPO
Deck Type II: Wood, Non-Insulated
Deck Description: Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails supports spaced 24" o.c.
System Type E(2): Anchor Sheet is mechanically attached to the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.
(Optional)

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Drill-Tec™ 3" Ribbed Galvalume Plates (Flat) and Drill-Tec™ #14 Fasteners spaced 8 in. o.c. along the 4 in. wide side laps and 8 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**
(Optional)

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: TPO
Deck Type II: Wood, Non-Insulated
Deck Description: Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.
System Type E(3): Anchor sheet is mechanically attached to the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.
(Optional)

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Miami Dade approved tin-caps and nails at 6" o.c. in the 4" laps and 6" o.c. in two equally spaced staggered rows in the field (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**
(Optional)

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

Maximum Design

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



WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with GAFGLAS® Ply 4, Tri-Ply® Ply 4 and GAFGLAS® FlexPly™ 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 and/or RAS 137. 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.: 19-0617.04
Expiration Date: 09/15/24
Approval Date: 09/12/19
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