



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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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® TPO Single Ply Roofing Systems over Poured Gypsum 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. 15-0729.17 and consists of pages 1 through 21.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 20-0518.04
Expiration Date: 09/22/25
Approval Date: 08/27/20
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ROOFING SYSTEM APPROVAL

| | |
|---------------------------------|--------------------|
| Category: | Roofing |
| Sub-Category: | Single Ply Roofing |
| Material: | TPO |
| Deck Type: | Poured Gypsum |
| Maximum Design Pressure: | -502.5 psf. |

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

| Product | Dimensions | Test Specification | Product Description |
|---|-------------------------|-----------------------|--|
| EverGuard® TPO | Various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced single-ply membrane. |
| EverGuard Extreme® TPO | Various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced single-ply membrane designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Fleece-back Membrane | Various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced, fleece back single-ply membrane |
| EverGuard® TPO FB Ultra | Various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced, fleece back single-ply membrane. |
| EverGuard Extreme® TPO Fleece-back Membrane | various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced fleece back single-ply membrane designed for advanced protection against heat aging and UV degradation. |
| EverGuard Extreme® TPO FB Ultra | Various | ASTM D6878 TAS 131 | Thermoplastic olefin reinforced fleece back single-ply membrane designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Coated Metal | 4' x 10' sheets | Proprietary | 24 gauge steel with a 25 mil thick GAF TPO for edge detailing. |
| EverGuard Extreme® TPO Coated Metal | 4' x 10' sheets | Proprietary | 24 gauge steel with a 25 mil thick GAF TPO for edge detailing and designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Cover Tape | 6" x 100' 10" x 100' | Proprietary | GAF TPO laminated to white butyl tape primarily used for edge metal details. |
| 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. |



| Product | Dimensions | Test Specification | Product Description |
|--|---------------------------------------|---------------------------|--|
| EverGuard Extreme® TPO Cover Tape Heat-Weld | 6" x 100' | Proprietary | Flashing strip manufactured from unreinforced GAF TPO designed for advanced protection against heat aging and UV degradation. 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 Extreme® TPO Detailing Membrane | 24" x 50' | Proprietary | Unreinforced flashing material manufactured from GAF TPO designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Flashing Strip | Various | Proprietary | Reinforced flashing membrane manufactured from GAF TPO. |
| EverGuard Extreme® TPO Flashing Strip | Various | Proprietary | Reinforced flashing membrane manufactured from GAF TPO designed for advanced protection against heat aging and UV degradation. |
| 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 Extreme® TPO Pourable Sealer Pocket | 9" x 6" x 4" oval with 3" base flange | Proprietary | Pourable sealer pocket is molded from GAF TPO designed for advanced protection against heat aging and UV degradation compounded 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 RTA 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 Extreme® TPO RTA 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. |



| Product | Dimensions | Test Specification | Product Description |
|--|---------------------------------|---------------------------|--|
| EverGuard Extreme® 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 Extreme® TPO Split Pipe Boot | 1" - 2" 3" - 5" 6" - 8" | Proprietary | Reinforced GAF TPO designed for advanced protection against heat aging and UV degradation 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 Extreme® TPO Square Tube Wrap | 4" x 4" 4" x 6" 6" x 6" | Proprietary | Reinforced GAF TPO designed for advanced protection against heat aging and UV degradation 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 Extreme® TPO Corner Curb Wrap | Various | Proprietary | Corners fabricated from reinforced GAF TPO designed for advanced protection against heat aging and UV degradation. |
| 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 Extreme® TPO T-Joint Cover Patch | 100 patches per box | Proprietary | T- Joint patch manufactured from unreinforced GAF TPO designed for advanced protection against heat aging and UV degradation. |
| 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. |



| Product | Dimensions | Test Specification | Product Description |
|--|------------------------------|---------------------------|--|
| EverGuard® TPO Inside Corner | 6" x 6" x 5¼" | Proprietary | Inside corner manufactured from unreinforced GAF TPO. |
| EverGuard Extreme® TPO Inside Corner | 6" x 6" x 5¼" | Proprietary | Inside corner manufactured from unreinforced GAF TPO designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Universal Corner | 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. |
| EverGuard Extreme® TPO Universal Corners | Various | Proprietary | Universal corners manufactured from GAF TPO designed for advanced protection against heat aging and UV degradation are heat seamable and designed to accommodate both inside and outside corners of base and curb flashings. |
| 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 Extreme® TPO Vent Boot | 1" - 6" o.d. 6 pcs. Crtn. | Proprietary | Vent pipe boot molded from GAF TPO designed for advanced protection against heat aging and UV degradation and supplied with stainless steel clamping rings. |
| EverGuard® TPO Expansion Joint Cover | Various | Proprietary | Low profile joint cover manufactured from reinforced GAF TPO. |
| EverGuard Extreme® TPO Expansion Joint Cover | Various | Proprietary | Low profile joint cover manufactured from reinforced GAF TPO. |
| EverGuard® Extreme Expansion Joint Cover | various | Proprietary | Low profile joint cover manufactured from reinforced GAF TPO. |
| EverGuard® TPO Standing Seam Tape | 6" | Proprietary | White butyl cover tape. |
| EverGuard® TPO Cut Edge Sealant | 1 quart squeeze tube | Proprietary | Clear solvent based sealant for TPO cut edges. |
| EverGuard® Low VOC Cut Edge Sealant | 1 quart squeeze tube | Proprietary | Low VOC clear solvent based sealant for TPO cut edges. |
| EverGuard® TPO Drain | Various | Proprietary | Spun aluminum drain preflashed with unreinforced GAF TPO. |



| Product | Dimensions | Test Specification | Product Description |
|--|---|---------------------------|---|
| 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. |
| EverGuard Extreme® 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 designed for advanced protection against heat aging and UV degradation. |
| EverGuard® TPO Seam Cleaner | 1 gallon | Proprietary | Solvent based seam cleaner. |
| EverGuard® TPO Primer | 1 gallon | Proprietary | Solvent-based VOC Compliant TPO Primer |
| EverGuard® Low VOC TPO Primer | 1 gallon | Proprietary | Low VOC TPO primer |
| EverGuard® TPO Low VOC Primer | 1 gallon | Proprietary | Low VOC TPO Primer |
| TOPCOAT® Membrane | 1, 5 or 55 gallons | ASTM D6083 | Water-based elastomeric coating. |
| Topcoat® TPO Red Primer | 1 gallon | Proprietary | Solvent-based primer for TPO membranes. |
| TPO Red Primer | 1 gallon | Proprietary | Solvent-based primer for TPO membranes. |
| TOPCOAT® FireOut™ Fire Barrier Coating | 5 or 55 gallons | ASTM E96 | Low VOC, water-based fire barrier coating. |
| TOPCOAT® FlexSeal™ | 1 or 5 gallons or 1 qt. tube | TAS 139 | Solvent-based elastomeric sealant. |
| EverGuard® WB181 Bonding Adhesive | 5 gallons | Proprietary | Water-based bonding adhesive for use with smooth TPO, fleece backed TPO and fleece backed PVC membranes. |
| EverGuard® #1121 Bonding Adhesive | 5 gallons | Proprietary | Solvent based adhesive for fully adhered TPO systems and membrane flashing. |
| EverGuard® Low VOC TPO Bonding Adhesive | 5 gallons | Proprietary | Low VOC adhesive for TPO fully adhered systems and flashings. |
| LRF Adhesive M | 1:1 applicator | Proprietary | Two-part VOC free polyurethane foam adhesive. |
| LRF Adhesive O | 1:1 applicator | Proprietary | Two-part VOC free polyurethane foam adhesive. |
| EverGuard® TPO 3 Square Low VOC Bonding Adhesive | 5 Gallons | Proprietary | Low VOC TPO bonding adhesive that provides 3 square coverage per pail. |



| Product | Dimensions | Test Specification | Product Description |
|--|-------------------|---------------------------|---|
| EverGuard® TPO Quick Spray Adhesive | 40.15 lbs. | Proprietary | Sprayable solvent based adhesive for fully adhered TPO systems and membrane flashing. |
| EverGuard® TPO Quick Spray Adhesive LV50 | 36.3 lbs. | Proprietary | Sprayable Low VOC solvent based adhesive for fully adhered TPO systems and membrane flashing. |
| EverGuard® CleanWeld™ Conditioner | 1 gallon | Proprietary | Low VOC cleaner for TPO |

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 |
| Structodek® High Density Fiberboard Roof Insulation | High-density fiberboard | Blue Ridge FiberBoard, Inc |
| DensDeck Prime® Roof Board | Gypsum Board | Georgia-Pacific Gypsum LLC |
| Securock® Gypsum-Fiber Roof Board | Gypsum Board | USG |

APPROVED FASTENERS:

TABLE 3

| Fastener Number | Product Name | Product Description | Dimensions | Manufacturer (With Current NOA) |
|------------------------|------------------------------------|---|---|--|
| 1. | Drill-Tec™ 3" Gyptec Plate | AZ-55 Galvalume® plate for use with Drill-Tec™ Polymer Gyptec fastener. | 3" round | GAF |
| 2. | Drill-Tec™ Polymer Gyptec fastener | One piece, glass reinforced nylon fastener for use in gypsum and cementitious wood fiber decks. | 0.675" Thread dia. x 1" dia. Head x 12" max. length | GAF |



EVIDENCE SUBMITTED:

| <u>Test Agency/Identifier</u> | <u>Name</u> | <u>Report</u> | <u>Date</u> |
|---|----------------|---------------------|-------------|
| UL LLC | 03CA38009 | UL 790 | 01/21/04 |
| | 08CA37926 | UL 790 | 09/23/09 |
| | 08CA49140 | UL 790 | 09/23/09 |
| | R1306 | UL 790 | 03/11/19 |
| | R10689 | UL 790 | 06/08/18 |
| Exterior Research & Design, LLC | C8500SC.11.07 | ASTM D6862 | 11/30/07 |
| FM Approvals | 3020681 | FM 4470 | 09/01/05 |
| | 3036141 | FM 4470 | 08/10/09 |
| | 3032856 | FM 4470 | 11/24/08 |
| | 3036141 | FM 4470 | 08/10/09 |
| | 3038318 | FM 4470 | 12/10/10 |
| | 3041685 | FM 4470 | 03/24/11 |
| | 3041769 | FM 4470 | 05/26/11 |
| | FM 3040377 LTR | FM 4470 | 09/21/16 |
| | 3053501 | FM 4470 | 01/14/16 |
| | 797-08217-267 | FM 4470 | 03/27/13 |
| | RR221253 | FM 4470 | 02/07/20 |
| Atlantic & Caribbean Roof Consulting, LLC | 08-032 | TAS 114-D | 05/19/08 |
| | 11-009 | TAS 114-D | 03/23/11 |
| | 11-010 | TAS 114-D | 03/23/11 |
| | 11-019 | TAS 114-D | 04/08/11 |
| | 11-020 | TAS 114-D | 04/08/11 |
| | 11-021 | TAS 114-D | 04/11/11 |
| PRI Construction Materials Technologies LLC | GAF-122-02-01 | TAS 139 | 05/09/06 |
| | GAF-289-02-01 | ASTM D6878/ TAS 131 | 09/07/11 |
| | GAF-290-02-01 | ASTM D6878/ TAS 131 | 09/21/11 |
| | GAF-306-02-01 | ASTM E96 | 08/23/11 |
| | GAF-369-02-01 | ASTM C1289 | 10/23/12 |
| | GAF-421-02-01 | ASTM D6878/TAS 131 | 10/23/13 |
| | GAF-422-02-01 | ASTM D6878/TAS 131 | 10/29/13 |
| | GAF-424-02-01 | ASTM D6878/TAS 131 | 11/11/13 |
| | GAF-425-02-01 | ASTM D6878/TAS 131 | 11/11/13 |
| | GAF-464-02-01 | ASTM C1289 | 02/06/14 |
| | GAF-499-02-01 | ASTM D6083 | 03/12/14 |
| | GAF-508-02-01 | Physical Properties | 03/12/14 |
| | GAF-671-02-01 | ASTM D6083 | 06/30/16 |



APPROVED ASSEMBLIES:

- Membrane Type:** Single Ply, TPO
- Deck Type 6I:** Poured Gypsum, Insulated
- Deck Description:** Poured Gypsum Concrete
- System Type A(1):** All layers of insulation adhered to the deck, 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.

One or more layers of any of the following insulations.

| Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|---|---|--|
| Structodek[®] High Density Fiberboard Roof Insulation Minimum .5" thick | N/A | N/A |

Note: Insulation shall be adhered to the substrate in 3/4" to 1" wide beads 12" o.c. of OlyBond 500[®] or OlyBond 500[®] Green Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EverGuard[®] TPO or EverGuard Extreme[®] TPO is fully adhered to insulation using EverGuard[®] #1121 Bonding Adhesive applied at a total rate of 1.67 gal./sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The membrane is broomed in after placement. The laps are heat welded a minimum 1-1/2" width for automatic machine welding. Weld width shall be a minimum 2" in width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Or

One ply of EverGuard[®] TPO or EverGuard Extreme[®] TPO adhered to Structodek[®] High Density Fiberboard Roof Insulation with EverGuard[®] Low VOC TPO Bonding Adhesive applied at a total rate of 0.91 gal/sq. Apply half the adhesive to underside of the membrane and half to the insulation. The membrane is broomed in after placement. The laps are heat welded a minimum 1-1/2" width for automatic machine welding. Weld width shall be a minimum 2" width for had welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Maximum Design Pressure: -215 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type A(2): All layers of insulation adhered to deck; membrane is 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.

| 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: Insulation shall be adhered to the substrate in OlyBond 500® or OlyBond 500® Green Adhesive applied in 1" wide beads 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® #1121 Bonding Adhesive applied at a total rate of 1.67 gal./sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.
 Or
 One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® TPO 3 Square Low VOC Bonding Adhesive applied at a total rate of 1.67 gal./sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.
 Or
 One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® Low VOC TPO Bonding Adhesive applied at a total rate of 0.91 gal/sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Maximum Design Pressure: -172.5 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type A(3): All layers of insulation adhered to deck; membrane is 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.

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

Note: Insulation shall be adhered to the substrate in OlyBond 500® or OlyBond 500® Green Adhesive applied in 1" wide beads 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® TPO Quick Spray Adhesive applied at a total rate of 0.705 lbs./sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.
 Or
 One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® TPO Quick Spray Adhesive LV 50 applied at a total rate of 0.837 lbs./sq. Apply half the adhesive to the underside of the membrane and half to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

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



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type A(4): All layers of insulation adhered to deck; membrane is 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.

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

Note: Insulation shall be adhered to the substrate in OlyBond 500® or OlyBond 500® Green Adhesive applied in 1” wide beads 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: One ply of EverGuard® TPO or EverGuard Extreme® TPO is fully adhered to insulation. EverGuard® WB181 Bonding Adhesive applied at a total rate of 0.84 gal./sq. Apply the adhesive to the underside of the membrane and to the insulation. The adhesive needs to become tacky to the touch before the roof cover is applied to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Maximum Design Pressure: -210 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type A(5): All layers of insulation adhered to deck; membrane is 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.

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

Note: Insulation shall be adhered to the substrate in OlyBond 500® or OlyBond 500® Green Adhesive applied in 1” wide beads 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: One ply of EverGuard® TPO or EverGuard Extreme® TPO is fully adhered to insulation. EverGuard® WB181 Bonding Adhesive applied at a total rate of 0.84 gal./sq. Apply the adhesive to the underside of the membrane and to the insulation. The adhesive needs to become tacky to the touch before the roof cover is applied to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.
 Or
 One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered to insulation with EverGuard® TPO Quick Spray Adhesive applied at a total rate of 0.705 lbs./sq. Apply the adhesive to the underside of the membrane and to the insulation. The adhesive needs to become tacky to the touch before the roof cover is applied to the insulation. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

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



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type B(1): Base Layer of insulation mechanically fastened; all other layers of insulation adhered to base layer. Membrane is 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.

| Base Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|-----------------------------------|-------------------------------------|
| EnergyGuard™ POLYISO INSULATION | | |
| Minimum 1.5" thick | 1 & 2 | 1:2 ft ² |
| Minimum 2.0" thick | 1 & 2 | 1:2.9 ft ² |

Note: Base Insulation layers 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.

| Middle Insulation Layer (Optional) | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|---|-----------------------------------|-------------------------------------|
| EnergyGuard™ POLYISO INSULATION, | | |
| Minimum 0.5" thick | N/A | N/A |

Note: Optional Middle Insulation layer shall be adhered to the base insulation layer in OlyBond 500® or OlyBond 500® Green, or Adhesive M applied in 0.75" – 1.0" wide ribbons 12" o.c. See Roofing Application Standard RAS 117 for fastening details.

| Top Insulation Layer (Optional) | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|-----------------------------------|-------------------------------------|
| Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | | |
| Minimum 0.5" thick | N/A | N/A |

Note: Optional Top Insulation layer shall be adhered to the base or middle insulation layer in OlyBond 500® or OlyBond 500® Green, or Adhesive M applied in 0.75" – 1.0" wide ribbons 12" o.c. See Roofing Application Standard RAS 117 for fastening details.



Membrane:

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with WB 181 bonding adhesive applied at a rate of 0.84 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO #1121 Bonding Adhesive applied at a rate of 1.67 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO 3 Square Low VOC Bonding Adhesive Bonding Adhesive applied at a rate of 1.67 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Low VOC Bonding Adhesive applied at a rate of 0.91 gal/sq gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO FB Ultra adhered with EverGuard® WB 181 Bonding Adhesive applied at a rate of 0.84 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra adhered with LRF Adhesive M or LRF Adhesive O applied with 0.75 – 1.0 in. wide beads. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Quick Spray Adhesive applied at a rate of 0.705 lbs/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

(Not for Use with SECUROCK Gypsum-Fiber Roof Board)

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Quick Spray Adhesive LV50 applied at a rate of 0.837 lbs/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Maximum Design Pressure:

-45 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6I: Poured Gypsum, Insulated
Deck Description: Poured Gypsum Concrete
System Type B(2): Base Layer of insulation mechanically fastened; all other layers of insulation adhered to base layer. Membrane is 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.

| Base Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|-----------------------------------|-------------------------------------|
| EnergyGuard™ POLYISO INSULATION | | |
| Minimum 1.5" thick | 1 & 2 | 1:2 ft ² |
| Minimum 2.0" thick | 1 & 2 | 1:2.9 ft ² |

Note: Base Insulation layers 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.

| Top Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|-----------------------------------|-------------------------------------|
| Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | | |
| Minimum 0.5" thick | N/A | N/A |

Note: Top Insulation layer shall be adhered to the base insulation layer in OlyBond 500® or OlyBond 500® Green, or Adhesive M applied in 0.75" – 1.0" wide ribbons 12" o.c. See Roofing Application Standard RAS 117 for fastening details.



Membrane:

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with WB 181 bonding adhesive applied at a rate of 0.84 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO #1121 Bonding Adhesive applied at a rate of 1.67 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO 3 Square Low VOC Bonding Adhesive applied at a rate of 1.67 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Low VOC Bonding Adhesive applied at a rate of 0.91 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO FB Ultra adhered with EverGuard® WB 181 Bonding Adhesive applied at a rate of 0.84 gal/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra adhered with LRF Adhesive M or LRF Adhesive O applied with 0.75 – 1.0 in. wide beads. 3” laps are sealed with a minimum 1-1/2” heat weld.

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Quick Spray Adhesive applied at a rate of 0.705 lbs/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

(Not for Use with SECUROCK Gypsum-Fiber Roof Board)

Or

One ply of EverGuard® TPO or EverGuard Extreme® TPO adhered with EverGuard® TPO Quick Spray Adhesive LV50 applied at a rate of 0.837 lbs/sq. 3” laps are sealed with a minimum 1-1/2” heat weld.

Maximum Design Pressure:

-45 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6: Poured Gypsum, Non-insulated
Deck Description: Poured Gypsum Concrete
System Type F(1): Membrane is adhered to deck.

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.

Membrane: One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra adhered with LRF Adhesive O applied in 1” wide beads spaced 6” o.c. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Maximum Design Pressure: -120 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6: Poured Gypsum, Non-insulated
Deck Description: Poured Gypsum Concrete
System Type F(2): Membrane is adhered to deck.

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.

Membrane: One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra adhered with LRF Adhesive M applied in 1” wide beads spaced 6” o.c. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

Maximum Design Pressure: -502.5 psf. (See General Limitation #9.)



Membrane Type: Single Ply, TPO
Deck Type 6: Poured Gypsum, Non-insulated
Deck Description: Poured Gypsum Concrete
System Type F(3): Membrane is adhered to deck.

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.

Membrane: One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra is fully adhered to the deck with EverGuard® WB181 Bonding Adhesive applied to the substrate at a total rate of 0.84 gal./sq. The membrane is applied into the wet adhesive then rolled with a water filled roller weighing a minimum of 250 lbs. The laps are heat welded a minimum 1-1/2” width for automatic machine welding. Weld width shall be a minimum 2” width for hand welding.

Maximum Design Pressure: -65.5 psf. (See General Limitation #9.)



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.: 20-0518.04
Expiration Date: 09/22/25
Approval Date: 08/27/20
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