



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**GAF Materials Corporation
1361 Alps Road
Wayne, NJ 07470**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: EverGuard® EGFB Roof Membrane Single Ply Roof Systems over Concrete 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. 07-0629.05 and consists of pages 1 through 8
The submitted documentation was reviewed by Jorge L. Acebo



**NOA No.: 10-0113.03
Expiration Date: 06/21/11
Approval Date: 06/30/10
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ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Single Ply
Material: PVC
Deck Type: Concrete
Maximum Design Pressure -495 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® EGFB Roofing Membrane	60 mils	ASTM D 4434	Thermoplastic fleece back membrane.
GAFLAS® Stratavent® Eliminator™ Perforated	39.37" (1 meter) wide	ASTM D 3672 ASTM D 4897	Fiberglass base sheet coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating with factory perforations.
EverGuard® H2O Bonding Adhesive	5 gallon pails	Proprietary	Water-based rubberized adhesive for fully adhered systems and membrane flashing.
EverGuard® #2331 Bonding Adhesive	5 gallon pails	Proprietary	Solvent-based PVC adhesive for fully adhered systems and membrane flashing.
LeakBuster™ Matrix™ 307 Premium Asphalt Primer	3, 5, 55 gallons	ASTM D41	Asphalt concrete primer used to promote adhesion of asphalt in built-up roofing.
EverGuard® Aluminum Lip Termination Bar	10' bar length 3/4" width	TAS 114	Lip termination bar.
EverGuard® Masonry Anchors	1/4" x 1-2"	TAS 114(E) TAS 117	Masonry anchor with drive pin.
EverGuard® PVC Standard Walkway Rolls	Rolls: 1/8" x 30" x 50'	Proprietary	Standard duty walkway rolls.
EverGuard® PVC Coated Metal Flashing Sheet	4" x 10' sheets	Proprietary	24 Gauge steel with a 25 mil thick membrane film.
EverGuard® Cut Edge Sealant	1 gallon	Proprietary	Clear solvent-based liquid sealant.
EverGuard® PVC Detail Strip	Various		Unreinforced membrane for penetrations and corners.
EverGuard® PVC Cut Edge Sealant	16 oz. & 1 gallon	Proprietary	Semi-clear liquid thermoplastic sealant.
EverGuard® PVC Pipe Boot	Various	Proprietary	Molded PVC unreinforced membrane.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
EverGuard® PVC Detailing & Flashing Membrane	Various	Proprietary	Unreinforced membrane for penetrations and corners.
EverGuard® PVC Inside Corner	2-3/4" x 3.5" with 6' flange	Proprietary	Molded PVC unreinforced membrane for flashing inside corners of base and curb flashing.
EverGuard® PVC Outside Corner	8" diameter	Proprietary	Molded PVC unreinforced membrane for flashing outside corners of base and curb flashing.
EverGuard® PVC Pitch Pocket	6-1/2" diameter by 3-3/4" high	Proprietary	Molded rigid PVC pocket.
EverGuard® PVC T-Joint Cover Patch	4" x 10' sheets	Proprietary	24 gauge steel with .040" thick membrane film.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF Materials Corp.
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF Materials Corp.
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF Materials Corp.
EnergyGuard™ Perlite Roof Insulation	Perlite insulation board.	GAF Materials Corp.
DensDeck® Roof Board	Gypsum board	G-P Gypsum Corp.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	N/A	N/A	N/A	N/A



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>	
Factory Mutual	J.I. 0X2A9.AM	4470	06/26/93	
Research Corporation	J.I. 3W1A1.AM	4470	03/29/93	
	J.I. 1X3A6.AM	4470	10/03/93	
	J.I. 1W9A2.AM	4470	06/15/93	
	J.I. 1W2A0.AM	4470	08/24/93	
	J.I. 3W3A4.AM	4470	11/22/93	
	J.I. 0X8A9.AM	4470	06/25/93	
	J.I. 1X6A5.AM	4470	10/12/93	
	J.I. 2W5A6.AM	4470	06/01/93	
	OD1A8.AM	4470	04/01/98	
	3003956	4470	02/18/00	
	3028606	4470	02/23/07	
	3024709	4470	10/21/05	
	Atlantic & Caribbean Roof Consulting, LLC	07-007	TAS 114-95 Appendix "D"	01/19/07
	Underwriters Laboratories	File R9834 (N)	Fire Classification	04/06/93



APPROVED ASSEMBLIES:

- Deck Type 3I:** Concrete Decks, Insulated
- Deck Description:** 2500 psi structural concrete.
- System Type A:** One or more layers of insulation adhered with approved asphalt or adhesive; membrane fully adhered.

All General and System Limitations apply.

One or more layers of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation Minimum: 1.5" Thick	N/A	N/A

One or more layers of the following insulations:

Base or Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Perlite Roof Insulation, EnergyGuard™ Polyiso Insulation Minimum: 1" Thick	N/A	N/A

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

- Vapor Retarder:** (Optional) Any UL or FMRC approved vapor retarder may be installed over the deck or the base layer of insulation.
- Barrier:** (Optional) 1/2" or 5/8" DensDeck® Roof Board adhered to the deck with approved mopping asphalt applied at the rate of 25 lbs./sq.
- Membrane:** EverGuard® EGFB Roof Membrane is adhered to insulation approved mopping asphalt applied at the rate of 25 lbs./sq.
- Maximum Design Pressure:** -390 psf; (See General Limitation #9.)



Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: 2500 psi structural concrete.
System Type F(1): Membrane is adhered to roof deck.

All General and System Limitations apply.

Prime: Concrete deck fully primed with GAF Asphalt Primer.
Membrane: GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet is loose laid dry over a primed concrete deck. EverGuard® EGFB Roofing Membrane is fully adhered to base sheet with an approved mopping asphalt applied at the rate of 25 lbs./sq.
Maximum Design Pressure: -127.5 psf; (See General Limitation #9.)

Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: 2500 psi structural concrete.
System Type F(2): Membrane is adhered to roof deck.

All General and System Limitations apply.

Prime: Concrete deck fully primed with GAF Asphalt Primer.
Membrane: EverGuard® EGFB Roofing Membrane is fully adhered with an approved mopping asphalt applied at the rate of 25 lbs./sq.
Maximum Design Pressure: -495 psf; (See General Limitation #9.)

Deck Type 3: Concrete Decks, Non-Insulated
Deck Description: 2500 psi structural concrete.
System Type F(3): Membrane is adhered to roof deck.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Roofing Membrane is adhered to the deck with EverGuard® #2331 Bonding Adhesive applied at the rate of 40 lbs./sq.
Maximum Design Pressure: -442.5 psf; (See General Limitation #9.)



Deck Type 3: Concrete Decks, Non-insulated

Deck Description: 2500 psi structural concrete.

System Type F(4): Membrane is adhered to roof deck.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Roofing Membrane is adhered to the deck with EverGuard® H2O Bonding Adhesive applied at the rate of 120 ft. 2/gal, then the fleece back membrane is rolled into the wet adhesive, and rolled with a 275 lb. roller.

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

Deck Type 3: Concrete Decks, Non-insulated

Deck Description: 2500 psi structural concrete.

System Type F(5): Membrane is adhered to roof deck.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Roofing Membrane fully adhered using EverGuard® H2O Bonding Adhesive applied to the concrete at the rate of 0.83 gallons per square (0.34 l per meter squared), then the membrane is applied to the deck with a roller and rolled with a 275 lb. roller. Minimum 1.5 in. wide heat welded laps.

Maximum Design Pressure: -300 psf; (See General Limitation #9.)

Deck Type 3: Concrete Decks, Non-insulated

Deck Description: 2500 psi structural concrete.

System Type F(6): Membrane is adhered to roof deck.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Roofing Membrane fully adhered using EverGuard® H2O Bonding Adhesive applied to the concrete at the rate of 1.0 to 2.0 gallons per square, then the membrane is applied to the deck with a roller and rolled with a 275 lb. roller.

Maximum Design Pressure: -352.5 psf; (See General Limitation #9)



CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

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 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 10-0113.03
Expiration Date: 06/21/11
Approval Date: 06/30/10
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