MIAMI-DADE

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 Lightweight Insulating 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. 07-0808.05 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Single Ply
Material: PVC
Deck Type: Lightweight Concrete
Maximum Design Pressure: -292.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
EverGuard® EGFB Roofing Membrane	60 mils	ASTM D 4434	Thermoplastic fleece back membrane.
EverGuard® EGFB Fleece Back Reinforced Flashing Membrane	60 mils 12", 18"& 24" variable length rolls	ASTM D 4434	Thermoplastic fleece back membrane.
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.
EverGuard® Aluminum Lip Termination Bar	10' bar length ¾" width	TAS 114	Lip termination bar.
EverGuard® Masonry Anchors	¼" x 1-2"	TAS 114(E) TAS 117	Masonry anchor with drive pin.
EverGuard® PVC Walkway Rolls	Rolls: 1/8" x 30" x 50'	Proprietary	Standard duty walkway rolls with herringbone traction.
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. and 1 gallon	Proprietary	Semi-clear liquid thermoplastic sealant.
EverGuard® PVC Pipe Boot	Various	Proprietary	Molded PVC unreinforced membrane.
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.

Product	Dimensions	Test Specification	Product Description
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.
EnergyGuard™ RA Composite Polyiso Insualtion	Polyisocyanurate foam insulation with high density fiberboard or Permalite perlite insulation.	GAF Materials Corp.
EnergyGuard™ RN Composite Polyiso Insualation	Polyisocyanurate foam insulation with high density fiberboard or Permalite perlite insulation.	GAF Materials 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:

Test Agency/Identifier	Report	Test Name	Date
Factory Mutual Research Corporation	J.I. 0X2A9.AM	4470	06/26/93
	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	ACRC 07-029	TAS 114-D	05/08/07
	ACRC 07-002	TAS 114-D	01/12/07
Underwriters Laboratories	File R9834 (N)	Fire Classification	04/06/93

Deck Type 4I: Lightweight Concrete, Non-Insulated

Deck Description: Elastizel Lightweight Insulating Concrete, over minimum 3,000 psi structural concrete deck.

System Type F(1): Membrane is fully adhered to Lightweight Insulating Concrete roof deck.

Deck: Minimum of 2" thickness of Elastizel Lightweight Insulating Concrete with a minimum compressive strength of 250-300 psi.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Membrane fully adhered to the Elastizel Lightweight Insulating Concrete with EverGuard® H2O Bonding Adhesive applied to the deck with a roller, in a ratio of 2-3 gallons per square. The fleece back membrane is rolled into the wet adhesive, and rolled with a 275 lb. water filled roller.

Maximum Design Pressure: **-292.5 psf (See General Limitation #9)**

Deck Type 4I: Lightweight Concrete, Non-Insulated

Deck Description: Celcore Lightweight Insulating Concrete, over minimum 3,000 psi structural concrete deck.

System Type F(2): Membrane is fully adhered to Lightweight Insulating Concrete roof deck.

Deck: Minimum of 2" thickness of Celcore Lightweight Insulating Concrete with a minimum compressive strength of 250-300 psi.

All General and System Limitations apply.

Membrane: EverGuard® EGFB Membrane fully adhered to the Celcore Lightweight Insulating Concrete with EverGuard® H2O Bonding Adhesive applied to the deck with a roller, in a ratio of 1-2 gallons per square. The fleece back membrane is rolled into the wet adhesive, and rolled with a 275 lb. water filled roller.

Maximum Design Pressure: **-117.5 psf (See General Limitation #9)**

LIGHTWEIGHT INSULATING CONCRETE 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 Engineer, Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.
3. For Systems where specific lightweight insulating concrete is referenced consult current lightweight insulating concrete NOA for specific deck construction and limitations. For systems where specific lightweight insulating concrete is not referenced, the minimum design mix shall be a minimum of 300 psi.

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