

**EnergyGuard™ RN Polyiso Insulation,  
EnergyGuard™ Perlite Roof Insulation, and  
EnergyGuard™ Perlite Recover Board**

**Miami-Dade County  
Notice of Acceptance (NOA)**

Updated: 7/10



*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*

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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)**

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**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: EnergyGuard™ RN PolyIso and Perlite Roof Insulation Board**

**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 consists of pages 1 through 6.  
 The submitted documentation was reviewed by Alex Tigera.



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 Expiration Date: 02/05/14  
 Approval Date: 07/14/10  
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## ROOFING COMPONENT APPROVAL:

**Category:** Roofing  
**Sub-Category:** Insulation  
**Type:** Insulation and Sheathing Foam Panels  
**Material:** Polyisocyanurate, Perlite and Fiberglass.

### TYPICAL PHYSICAL PROPERTIES:

Product	Property	Test Method	Typical Result
EnergyGuard™ RN PolyIso Insulation 25 PSI	Density	D1622	2.1 pcf
	Compressive Strength	D1621	25 psi
	Water Absorption	C209	< 1% by volume (2 hrs)
	Water Vapor Permeance	E6	< 1 perm
	Dimensional Stability: 7 days @ 158°F & 90-100% RH	D2126	< 2%
	Surface Buring Characteristics	E84	Flame Spread: 25 Smoke Developed: 60
EnergyGuard™ RN PolyIso	Density	D1622	2.4 pcf
	Compressive Strength	D1621	24 psi
	Dimensional Stability: 7 days @ 158°F & 90-100% RH	D2126	< 2%
	Water Absorption	C209	< 1% by volume (2 hrs)
	Water Vapor Permeance	E96	< 1 perm
	Surface Buring Characteristics	E84	Flame Spread: 35 Smoke Developed: 150
EnergyGuard™ Perlite Roof Insulation	Water Absorption	ASTM C 209	< 1.5% by volume (2 hrs)
	Compressive Strength	ASTM C 165	5% consolidate: 30 psi 10% consolidate: 40 psi 10% consolidate: 45 psi (HD)
	Laminar Strength	ASTM C 209	7 psi
	Flexural Strength	ASTM C 203	65 psi 80 psi (HD)
	Density	ASTM C 209	9 pcf 10 pcf (HD)
	Linear Expansion	ASTM C 209	< 0.5%
EnergyGuard™ Perlite Reover Board	Water Absorption	ASTM C 209	2.7% by volume (2 hrs)
	Compressive Strength	ASTM C 165	5% consolidate: 38 psi
	Laminar Strength	ASTM C 209	15 psi
	Flexural Strength	ASTM C 203	88 psi
	Density	ASTM C 209	11-14 pcf
	Linear Expansion	ASTM C 209	< 1%
	Water Vapor Permeability	E96	6 perm-inch
	Surface Buring Characteristics	E84	Flame Spread: 55 Smoke Developed: 70

**Note:** The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.



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**EVIDENCE SUBMITTED:**

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research	FM 4450/4470	FM Approval Guide Listings	Published Annually
Underwriters Laboratories	UL 790	File No. R-9340	Published Annually
Factory Mutual Research	FM 4450	J.I. 1J4A3.AM	04/11/85
Factory Mutual Research	FM 4450	J.I. 0K4A9.AM	10/11/85
Factory Mutual Research	FM 4450	J.I. 3004299 (letter)	03/21/00
Exterior Research & Design, LLC	Physical Properties	#00251.10.02	11/4/02
Exterior Research & Design, LLC	Physical Properties	#00252.10.02	10/31/02
Omega Point Laboratories	ASTM C 518	#16619-112069	10/09/02
Omega Point Laboratories	ASTM C 518	#16619-112070	10/09/02
Exterior Research & Design, LLC	ASTM C1289	2006.J0681.04.06-R1	05/17/2006
FM Approvals	ASTM E84	3023546	11/04/2005



**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:**

**Tradename:** EnergyGuard™ RN PolyIso Insulation and EnergyGuard™ RN PolyIso Tapered  
**Thickness:** 0.5" - 4.1" (12.5-104 mm)  
**Board Size(s):** 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)  
**Core:** Polyisocyanurate foam  
**Facers:** Fiberglass reinforced felt or fiberglass felt  
**Decks:** Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum  
**Special Application:** Tapered or flat boards. Multilayer systems may have a first or second layer of EnergyGuard™ RN PolyIso Insulation tapered or flat followed by a top layer of EnergyGuard™ RN PolyIso Insulation tapered or flat. Maximum thickness is 12 in. (305 mm). All layers may be mechanically fastened through the top layer when the top layer is minimum 1.4 in. (36 mm) thick, or the bottom layer may be secured with hot asphalt at an application rate of 25 lbs./sq. (1.2 kg/m<sup>2</sup>) or mechanically fastened with subsequent layers adhered with hot asphalt at an application rate of 25 lbs./sq. (1.2 kg/m<sup>2</sup>). When a fully adhered single-ply roof cover is used, the top layer insulation is minimum 0.5 in. (13 mm) thick, otherwise minimum thickness of top layer is 1.4 in (36 mm).

**Tradename:** EnergyGuard™ RN PolyIso Insulation 25 PSI and EnergyGuard™ RN PolyIso Tapered Insulation  
**Thickness:** 0.5" - 4.1" (12.5-104 mm)  
**Board Size(s):** 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)  
**Core:** Polyisocyanurate foam  
**Facers:** Fiberglass reinforced felt or fiberglass felt  
**Decks:** Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum  
**Special Application:** Tapered or flat boards. Multilayer systems may have a first or second layer of EnergyGuard™ RN PolyIso Insulation tapered or flat followed by a top layer of EnergyGuard™ RN PolyIso Insulation tapered or flat. Maximum thickness is 12 in. (305 mm). All layers may be mechanically fastened through the top layer when the top layer is minimum 1.4 in. (36 mm) thick, or the bottom layer may be secured with hot asphalt at an application rate of 25 lbs./sq. (1.2 kg/m<sup>2</sup>) or mechanically fastened with subsequent layers adhered with hot asphalt at an application rate of 25 lbs./sq. (1.2 kg/m<sup>2</sup>). When a fully adhered single-ply roof cover is used, the top layer insulation is minimum 0.5 in. (13 mm) thick, otherwise minimum thickness of top layer is 1.4 in (36 mm).



**Tradename:** EnergyGuard™ Perlite Roof Insulation and EnergyGuard™ Perlite Roof Insulation Tapered  
**Thickness:** 1.5" - 4.1" (38-104 mm)  
**Board Size(s):** 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)  
**Core:** Polyisocyanurate foam  
**Facers:** Perlite 0.5 in. (13 mm), top or bottom; fiber reinforced organic or glass felt on the other side.  
**Decks:** Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum  
**Special Application:** Multilayer systems may have a first or second layer of EnergyGuard™ RN PolyIso Insulation tapered or flat, followed by a top layer of EnergyGuard™ Perlite Roof Insulation tapered or flat. Maximum total thickness is 12 in (305 mm).

**Tradename:** EnergyGuard™ Perlite Recover Board  
**Thickness:** ½" (13 mm)  
**Board Size(s):** 2' x 4' (0.6 x 1.2 m), 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)  
**Core:** Expanded Mineral Fiber  
**Facers:** None  
**Decks:** Concrete, Steel, Wood, Recover  
**Special Application:** For recover construction only or as top layer over an Approved insulation.

**Tradename:** EnergyGuard™ Perlite Roof Insulation, EnergyGuard™ Perlite Roof Insulation Tapered, EnergyGuard™ Perlite Roof Insulation Laminated, EnergyGuard™ Perlite Roof Insulation Laminated and Tapered  
**Thickness:** Homogeneous: ¾", 1", 1.5" (19, 25, 38 mm)  
Laminated: 1.5", 2", 3" (38, 51, 76 mm). EnergyGuard™ Perlite Roof Insulation Laminated consists of two layers of EnergyGuard™ Perlite Roof Insulation laminated together.  
**Board Size(s):** 2' x 4' (0.6 x 1.2 m) and 4' x 4' (1.2 x 1.2 m)  
**Core:** Expanded Mineral Fiber  
**Facers:** None.  
**Decks:** Concrete, Cementitious Wood Fiber, Steel, Wood, Gypsum, Recover  
**Special Application:** EnergyGuard™ Perlite Roof Insulation Tapered contains a built-in taper of 1/8 or ¼ in per ft (10 or 20 mm per m) and may be used interchangeably with EnergyGuard™ Perlite Roof Insulation. EnergyGuard™ Perlite Roof Insulation Tapered must be used over a min. ¾" (19 mm) EnergyGuard™ Perlite Roof Insulation when installed over steel decks.



## COMMENTS AND LIMITATIONS:

1. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.
2. GAF Materials Corporation products may be used with any approved roof covering listing a specific GAF Materials Corporation product as a component part of a roof assembly Notice of Acceptance. If a GAF Materials Corporation product is not listed, a request may be made to the local building inspector or the Miami Dade Building Code Compliance Office for approval provided that appropriate documentation is provided.
3. Fire classification is not a part of this Notice of Acceptance
4. 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.
5. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



**END OF THIS ACCEPTANCE**



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