



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
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

Insulfoam – a division of Carlisle Construction Materials Inc.
19727 57th Ave. East
Puyallup, WA 98375

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: : Insulfoam EPS & R-TECH EPS Roof Insulation

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. 12-0628.09 and consists of pages 1 through 4.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 14-0311.07
Expiration Date: 09/13/17
Approval Date: 06/05/14
Page 1 of 4

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Insulation
Material: EPS

SCOPE:

This approves **Insulfoam EPS & R-TECH EPS Roof Insulation**, as manufactured by Insulfoam – a division of Carlisle Construction Materials Inc., as described in this Notice of Acceptance. These products have been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone of the Florida Building Code.

TYPICAL PHYSICAL PROPERTIES:

Insulfoam EPS and Carlisle Sure Seal EPS

<u>Property</u>	<u>Test</u>	<u>Typical Results</u>
Density	ASTM C 303	2.0 lbs./ft. ³
Compressive Strength	ASTM D 1621	Min. 25 psi @ 10% Deformation
Water Absorption	ASTM C 209	Less than 2% by volume
Moisture Vapor Transmission	ASTM E 96	Less than 2.5 perms
Surface Burning Characteristics (5" Foam Core Max.)	ASTM E 84	Flame Spread: 20 Smoke Developed: 150-300

Insulfoam R-TECH

<u>Property</u>	<u>Test</u>	<u>Typical Results</u>
Density	ASTM C 303	2.0 lbs./ft. ³
Compressive Strength	ASTM D 1621	Min. 30 psi @ 10% Deformation
Water Absorption	ASTM C 209	Less than 1% by volume
Moisture Vapor Transmission	ASTM E 96	Less than one (1) perm
Surface Burning Characteristics (5" Foam Core Max.)	ASTM E 84	Flame Spread: 20 Smoke Developed: 150-300

R-TECH Laminated Polyethylene skins provide a moisture barrier for the EPS at less than .6 perms.

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.

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
Intertek Testing Services, Inc.	3082960-500 Alt. 1	ASTM E 84	07/17/07
	3082959-500 Rev. 2	ASTM D 1929	07/12/07
RADCO	RAD-2725	ASTM C 303	07/22/07
		ASTM D 1929	
		ASTM D 2863	
		ASTM E 1740	
Underwriters Laboratories, Inc.	96RT6559	UL723	06/18/98
	02NK48050	ASTM C 578	08/13/03

MANUFACTURING LOCATION:

- Lakeland, FL.



PRODUCT DESCRIPTION:

Trade name: **Insulfoam EPS, Carlisle Sure Seal EPS, Insultaper**
Thickness: 0.5" - 12.0" (12.7-304.8 mm)
Board Size(s): 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)
Core: Expanded Polystyrene (Type IX)
Facers: None
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete and Gypsum
Special Attachment Application: Flat boards and Insultaper. Multilayer systems shall comply with established guidelines listed in RAS 117 for specific system approval and specific roof assembly listed in NOA approval.

Trade name: **R-TECH, R-TECH Fan Fold**
Thickness: 0.5" - 5.0" (12.7-127 mm)
Board Size(s): 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)
Core: Expanded Polystyrene (Type IX)
Facers: Polymeric
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Attachment Application: Flat boards. Multilayer systems shall comply with established guidelines listed in RAS 117 for specific system approval and specific roof assembly listed in NOA approval.

Trade name: **Insulfoam SP**
Thickness: 1.0" - 7" (25.4 x 177.8mm)
Board Size(s): 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)
Core: Expanded Polystyrene (Type IX)
Facers: Coated Glass Mat
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Attachment Application: Flat boards and tapered. Multilayer systems shall comply with established guidelines listed in RAS 117 for specific system approval and specific roof assembly listed in NOA approval.

Trade name: **Insul-Lam, Tuff Roof**
Thickness: 12.0" (304.8 mm) maximum
Board Size(s): 4' x 8' (1.2 x 2.4 m)
Core: Expanded Polystyrene (Type IX)
Facers: 3/4"(19.0 mm) Perlite, or 1/2"(13.0 mm) Wood Fiber top or bottom, 5/8" Plywood Top Side
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Attachment Application: Multilayer systems shall comply with established guidelines listed in RAS 117 for specific system approval and specific roof assembly listed in NOA approval. Insul-Lam and Tuff Roof Nail Base shall have APA rated plywood top side in compliance with the provision of Chapter 23 of the Florida Building Code.



Trade name:	Insul-Vent
Thickness:	12.0" (304.8 mm) maximum
Board Size(s)	4' x 8' (1.2 x 2.4 m)
Core:	Expanded Polystyrene (Type IX)
Facers:	5/8" Plywood
Decks:	Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Attachment Application:	Installed systems shall comply with established guidelines listed in RAS 117 for specific system approval and specific roof assembly listed in NOA approval. Insul-Vent shall have APA rated plywood top side in compliance with the provision of Chapter 23 of the Florida Building Code.

LIMITATIONS:

1. Fire classification is not a part of this Notice of Acceptance
2. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.
3. Insulfoam EPS products may be used with any approved roof covering listing a specific Insulfoam EPS product as a component part of a roof assembly Notice of Acceptance. If an Insulfoam EPS 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.
4. The products listed herein are components of roof assemblies and are approved for use with roof assemblies that list the products listed herein as part of their roof assemblies Notice of Acceptance. See roof system Notice of Acceptance (NOA) for application rates and uses.
5. All products listed herein shall have an unannounced follow-up quality control program from an approved listing agency. Follow up test results shall be made available to Miami-Dade County Product Control upon request.
6. Change in materials, use, or manufacture of any products listed herein shall be cause for termination of this Notice of Acceptance.
7. Only EPS rigid roof insulation meeting the minimum requirements of Type IX may be used in High Velocity Hurricane Zones.
8. Refer to FBC-FL14328-R1 for specific details on applications outside of High Velocity Hurricane Zones.
9. 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.
10. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE

