



**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) 315-2599
www.miamidade.gov/economy

**Hunter Panels, a div. of Carlisle Const. Materials, LLC
15 Franklin Street
Portland, ME 04101**

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.

DESCRIPTION: Xci Foil, Xci CG and Xci Foil (Class A) Polyiso Sheathing Insulation

APPROVAL DOCUMENT: Drawings No. **1d-CRL-21-MDNOA**, titled "Xci Foil, Xci CG and Xci Foil (Class A), sheet 1 through 3 of 3, dated 03/29/2021, prepared by Nemo/etc., signed and sealed by Robert Nieminen, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each board shall bear a permanent label with the manufacturer's name or logo, Lake City, FL or Smithfield, PA, model/series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted.

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 # 19-0723.01** and consists of this page 1, evidence pages E-1, E-2, E-3 and E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



**NOA No 21-0406.02
Expiration Date: January 2, 2024
Approval Date: June 10, 2021
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS “Submitted under NOA # 13-0916.07”

1. Drawing No. **11_27_2013**, titled “Xci Foil, Xci CG and Xci Class A Polyiso Insulated Sheathing (Rigid Polyiso Wall Foam Board Insulation), sheet 1 through 3 of 3, dated 11/27/2013, prepared by Trinity ERD, signed and sealed by Robert Nieminen, P.E.

B. TESTS “Submitted under NOA # 13-0916.07”

	<u>Test Report No.</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
1.	C42950.09.13-1A	ASTM C1289	09/10/13	Robert Nieminen, P.E.
2.	C42950.09.13-1C	TAS 110	10/25/13	Robert Nieminen, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION “Submitted under NOA # 13-0916.07”

1. Test report on Flame Spread and Smoke Density per ASTM E84 of H-Shield Polyisocyanurate roof insulation core material, prepared by FM Approvals, Project ID **3018331**.
2. Test report on Flame Spread and Smoke Developed per UL723 of Xci-Class A, (BRYX.R27090) Foam Plastic, prepared by Underwriter Laboratories, Report No. **R27090**.

F. STATEMENTS “Submitted under NOA # 14-0501.01”

1. Statement letter of code conformance to 2014 (5th edition) FBC and no financial interest issued by Trinity ERD, dated 04/18/2014, signed and sealed by Robert Nieminen, P.E.

“Submitted under NOA # 13-0916.07”

2. Statement letter of code conformance to 2010 FBC and no financial interest issued by Trinity ERD, dated 11/18/2013, signed and sealed by Robert Nieminen, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 21-0406.02
Expiration Date: January 2, 2024
Approval Date: June 10, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA #18-1024.06

A. DRAWINGS

1. Drawings **Xci Foil, Xci CG and Xci Foil (Class A)**, titled “Xci Foil, Xci CG and Xci Class A Polyiso Insulated Sheathing (Rigid Polyiso Wall Foam Board Insulation), sheet 1 through 3 of 3, dated 10/22/2018, prepared by Nemo/etc., signed and sealed by Robert Nieminen, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 6th edition (2017) FBC and no financial interest issued by Nemo/etc., dated 10/22/2018, signed and sealed by Robert Nieminen, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 19-0723.01

A. DRAWINGS

1. Drawings **Xci Foil, Xci CG and Xci Foil (Class A)**, titled "Hunter Panels Polyisocyanurate Sheathing Insulation, sheet 1 through 3 of 3, dated 06/20/2019, prepared by Nemo/etc., signed and sealed by Robert Nieminen, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

1. Statement letter issued by Hunter Panels, LLC stating the following: a) They have legally sold all assets to Carlisle Construction Materials, LLC, b) Requesting the existing NOA to be rescinded, c) They no longer manufacture the product under the existing NOA, d) They have given up all the rights to the existing NOA, and e) All the necessary machinery, equipment, and know-how used in the fabrication of the product used for the tests, which were the basis for obtaining the NOA are being sold to Carlisle Construction Materials, LLC, dated 06/17/2019, signed by Joseph A. Malpezzi.
2. Certificate of merger between Hunter Panels, LLC and Carlisle Construction Materials, LLC, dated 01/01/2016.



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Product Control Examiner
NOA No 21-0406.02
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New evidence submitted

A. DRAWINGS

1. Drawings No. **1d-CRL-21-MDNOA**, titled “Xci Foil, Xci CG and Xci Foil (Class A), sheet 1 through 3 of 3, dated 03/29/2021, prepared by Nemo/etc., signed and sealed by Robert Nieminen, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

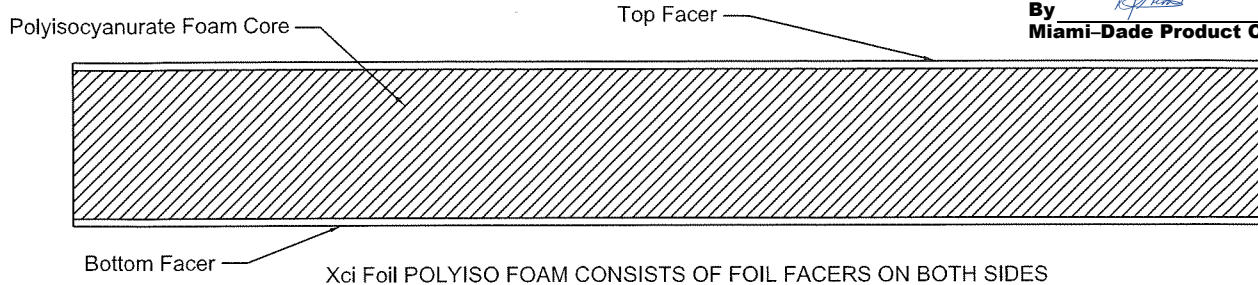
1. Statement letter of code conformance to 7th edition (2020) of the FBC issued by Nemo/etc., dated 03/29/2021, signed and sealed by Robert Nieminen, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 21-0406.02
Expiration Date: January 2, 2024
Approval Date: June 10, 2021

PRODUCT ENGINEERING DATA

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 21-0406.02
 Expiration Date 01/02/2024
 By *R. Nieminen*
Miami-Dade Product Control

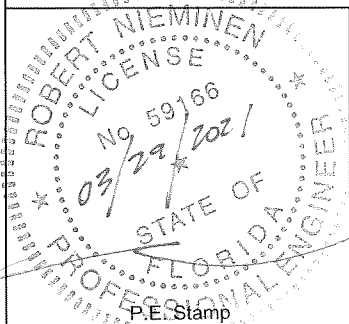


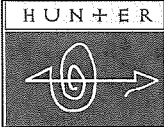
Xci Foil Polyiso Insulated Sheathing

Property	Test	Results	
Density, lb/ft ³	ASTM D1622	3.6	
Compressive Strength, psi	ASTM D1621	21.7	
Thermal Resistance F-hr-ft ² / BTU 1" thick @ 75° F	ASTM C518	N/A	
Thermal Resistance F-hr-ft ² / BTU 2" thick @ 75° F	ASTM C518	12.1	
Water Absorption, 2-hour, volume %	ASTM C209	0.11	
Water Vapor Permeance, perms	ASTM E96 (A)	0.0	
Dimensional Stability		Length	Width
@ -40° F, amb. RH, %	ASTM D2126	0.0	0.0
@ 158° F, amb. RH, %		0.0	0.1
@ 200° F, amb. RH, %		0.1	0.0
Flame Spread	ASTM E84	50 or less	
Smoke Developed	ASTM E84	450 or less	


General Notes:

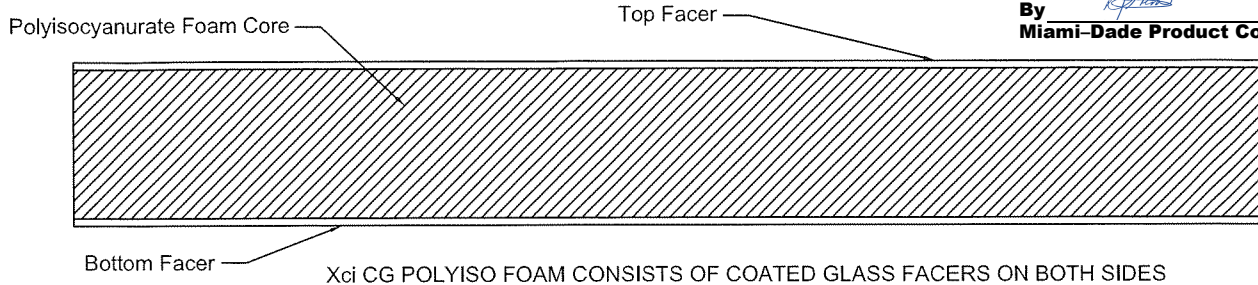
- Xci Foil is manufactured to meet the physical property requirements of ASTM C1289, Type 1, Class 1 Grade 2 (20 psi).
- Application of product shall comply with all pertinent sections of the Florida Building Code.
- Installations using this product must be fully protected on the interior side of walls by a maximum ½ inch gypsum board or other suitable thermal barrier.
- Xci foil has not been evaluated for outdoor exposure. It is designed to be protected from the elements at all times.



TITLE: Xci Foil		NEMO etc. ENGINEER EVALUATE TEST CONSULT 353 Christian Street, Unit #13 Oxford, CT 06478 TEL: 203 262 9245 FAX: 203 262 9243 WWW.NEMOETC.COM		 Hunter Panels, a division of Carlisle Construction Materials, LLC 15 Franklin Street Portland, Maine 04101		NEMO ETC Date: 3/29/21 Page: 1 of 3 Project #: 1d-CRL-21-MDNOA Drawn By: Jacob Marganski Scale: Not to Scale Facility: Lake City, FL	
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PRODUCT ENGINEERING DATA

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 21-0406.02
 Expiration Date 01/02/2024
 By 
Miami-Dade Product Control



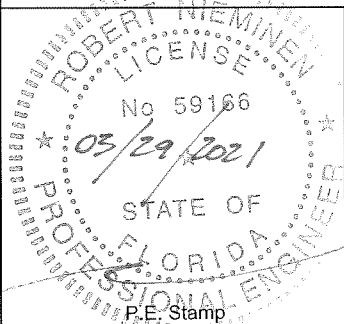
Xci CG POLYISO FOAM CONSISTS OF COATED GLASS FACERS ON BOTH SIDES

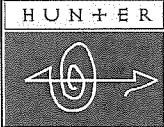
Xci CG Polyiso Insulated Sheathing

Property	Test	Results	
Density, lb/ft ³	ASTM D1622	3.3	
Compressive Strength, psi	ASTM D1621	21.7	
Thermal Resistance F-hr-ft ² / BTU 1" thick @ 75° F	ASTM C518	N/A	
Thermal Resistance F-hr-ft ² / BTU 2" thick @ 75° F	ASTM C518	12.1	
Water Absorption, 2-hour, volume %	ASTM C209	0.6	
Water Vapor Permeance, perms	ASTM E96 (A)	1.8	
Dimensional Stability		Length	Width
@ -40° F, amb. RH, %	ASTM D2126	0.2	0.0
@ 158° F, amb. RH, %		0.3	0.3
@ 200° F, amb. RH, %		0.0	0.1
Flame Spread	ASTM E84	50 or less	
Smoke Developed	ASTM E84	450 or less	

General Notes:

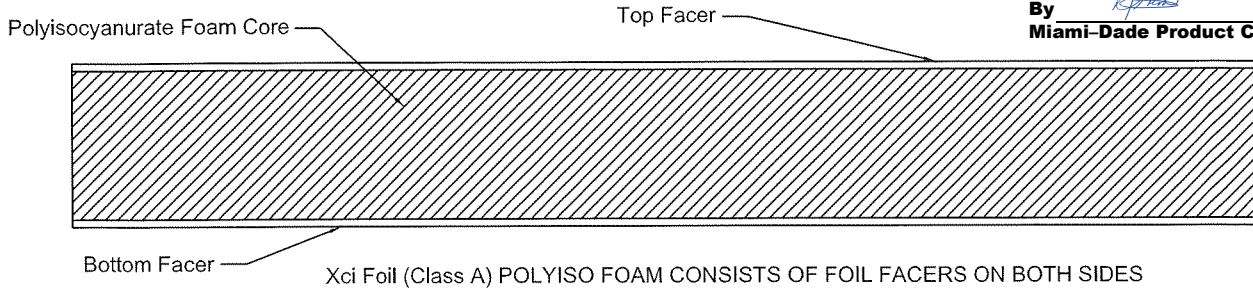
- Xci CG is manufactured to meet the physical property requirements of ASTM C1289, Type 2, Class 2 Grade 2 (20 psi)
- Application of product shall comply with all pertinent sections of the Florida Building Code
- Installations using this product must be fully protected on the interior side of walls by a maximum ½ inch gypsum board or other suitable thermal barrier
- Xci CG has not been evaluated for outdoor exposure. It is designed to be protected from the elements at all times.
- Manufacturing Location 1: Lake City, FL
- Manufacturing Location 2: Smithfield, PA



TITLE: Xci CG		NEMO etc. ENGINEER EVALUATE TEST CONSULT 353 Christian Street, Unit #13 Oxford, CT 06478 TEL: 203 262 9245 FAX: 203 262 9243 WWW.NEMOETC.COM		 Hunter Panels, a division of Carlisle Construction Materials, LLC 15 Franklin Street Portland, Maine 04101		NEMO ETC Date: 3/29/21 Page: 2 of 3 Project #: 1d-CRL-21-MDNOA Drawn By: Jacob Marganski Scale: Not to Scale	
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PRODUCT ENGINEERING DATA

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 21-0406.02
 Expiration Date 01/02/2024
 By [Signature]
 Miami-Dade Product Control

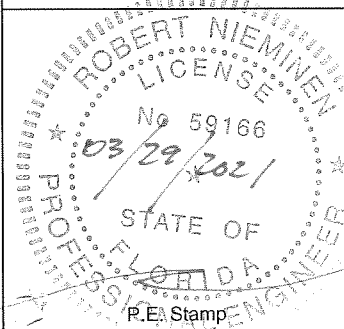



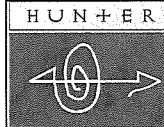
Xci Foil (Class A) Polyiso Insulated Sheathing

Property	Test	Results	
Density, lb/ft ³	ASTM D1622	2.7	
Compressive Strength, psi	ASTM D1621	37.4	
Thermal Resistance F-hr-ft ² / BTU 1" thick @ 75° F	ASTM C518	5.4	
Thermal Resistance F-hr-ft ² / BTU 2" thick @ 75° F	ASTM C518	11.5	
Water Absorption, 2-hour, volume %	ASTM C209	0.2	
Water Vapor Permeance, perms	ASTM E96 (A)	0.0	
Dimensional Stability		Length	Width
@ -40° F, amb. RH, %	ASTM D2126	0.1	0.1
@ 158° F, amb. RH, %		0.3	0.3
@ 200° F, amb. RH, %		0.0	0.2
Flame Spread	ASTM E84	25	
Smoke Developed	ASTM E84	250	

General Notes:

- Xci Foil (Class A) is manufactured to meet the physical property requirements of ASTM C1289, Type 1, Class 1 Grade 3 (25 psi)
- Application of product shall comply with all pertinent sections of the Florida Building Code
- Installations using this product must be fully protected on the interior side of walls by a maximum 1/2 inch gypsum board or other suitable thermal barrier
- Xci foil (Class A) has not been evaluated for outdoor exposure. It is designed to be protected from the elements at all times.



TITLE: Xci Foil (Class A) (Also marketed as Xci 286)	
 ENGINEER EVALUATE TEST CONSULT 353 Christian Street, Unit #13 Oxford, CT 06478 TEL: 203 262 9245 FAX: 203 262 9243 WWW.NEMOETC.COM	 Hunter Panels, a division of Carlisle Construction Materials, LLC 15 Franklin Street Portland, Maine 04101
NEMO ETC	
Date: 3/29/21	
Page: 3 of 3	
Project #: 1d-CRL-21-MDNOA	
Drawn By: Jacob Marganski	
Scale: Not to Scale	
Facility: Smithfield, PA	