



**NEMO|etc.**

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ENGINEER

EVALUATE

TEST

CONSULT

**P.E. EVALUATION REPORT (PEER)**

**DuPont de Nemours, Inc.**

1501 Larkin Center Drive  
Midland, MI 48674  
(812) 212-4429

**PEER-DPBS-002.A.R3**

**FL38732-R1 (NON-HVHZ)**

Date of Issuance: 04/01/2020

**Revision 3: 10/10/2023**

**SCOPE:**

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **8<sup>th</sup> Edition (2023) Florida Building Code** [sections referenced herein](#).

**DESCRIPTION: Styrofoam™ Brand Extruded Polystyrene (XPS) Foam Insulation (NON-HVHZ)**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. The acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance, or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

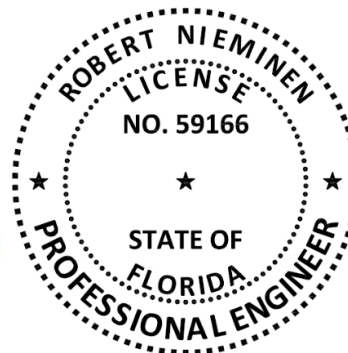
**INSPECTION:** Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 3.

**Prepared by:**

Digitally signed by  
Robert Nieminen  
Date: 2023.10.11  
'16:40:35 -04'00

This item has been digitally signed and sealed by  
Robert Nieminen, P.E.  
Printed copies of this document are not  
considered signed and sealed, and the signature  
must be verified on any electronic copies.  
Robert Nieminen, Florida P.E. 59166, FBC ANE1983  
NEMO ETC, LLC, Florida CA #32455



**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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## ROOFING COMPONENT EVALUATION:

### 1. SCOPE:

**Product Category:** Roofing  
**Sub-Category:** Insulation  
**Product Approval Method:** Method 1, Option D: Codified Material, Evaluation by Engineer  
**Compliance Statement:** Styrofoam™ Brand Extruded Polystyrene (XPS) Foam Insulation, as produced by DuPont de Nemours, Inc., have demonstrated compliance with the following sections of the 8<sup>th</sup> Edition (2023) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

### 2. STANDARDS:

| Section | Property                        | Standard              |
|---------|---------------------------------|-----------------------|
| 2603.3  | Surface-burning characteristics | ASTM E84 <sup>1</sup> |
| 1508.2  | Material standard               | ASTM C578             |

### 3. REFERENCES:

| Entity             | Examination     | Reference            | Date       |
|--------------------|-----------------|----------------------|------------|
| ERD (TST6049)      | ASTM C578 (GA)  | DOW-SC13370.07.17    | 07/14/2017 |
| NEMO (TST6049)     | ASTM C578 (MO)  | 4S-DOW-18-003.07.18  | 07/31/2018 |
| UL, LLC. (TST9628) | ASTM E84 (GA)   | 4787877497           | 04/27/2017 |
| UL, LLC. (TST9628) | ASTM E84 (MO)   | 4788457766           | 07/19/2018 |
| UL, LLC. (TST9628) | UL 1256         | TJBX.R3573           | 07/25/2022 |
| UL, LLC. (QUA9625) | Quality Control | Service Confirmation | 12/01/2022 |
| UL, LLC. (QUA9625) | Quality Control | Florida BCIS         | Current    |

### 4. PRODUCT DESCRIPTION:

**Styrofoam™ Brand Extruded Polystyrene (XPS) Foam Insulation Boards** are extruded polystyrene (XPS) foam plastic roof insulations available in the following configurations. Boards are mechanically attached or adhered to approved substrates using fasteners, stress plates and adhesives, as outlined in the Roof System or Waterproofing System Florida Product Approval.

| TABLE 1: EVALUATED INSULATION PRODUCTS |                   |                      |                 |        |
|----------------------------------------|-------------------|----------------------|-----------------|--------|
| PRODUCT                                | MATERIAL STANDARD | DIMENSIONAL OFFERING |                 | PLANTS |
|                                        | ASTM C578, TYPE   | THICK (IN)           | DIMENSIONS (FT) |        |
| Styrofoam™ Brand Roofmate™             | VI                | 1 to 4               | 2 x 8           | MO     |
| Styrofoam™ Brand Highload 60           | VII               | 1.5 to 3             | 2 x 8           | GA, MO |
| Styrofoam™ Brand Plazamate™            | VII               | 1.5 to 3             | 2 x 8           | MO     |

### 5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER does not include evaluation of wind resistance or fire classification.

<sup>1</sup> Numerical ratings as determined by ASTM E84 are not intended to reflect hazards presented by these materials under actual fire conditions.

- 5.3.1 Refer to roof system Product Approval (for uplift resistance).
- 5.3.2 Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.3.3 If **Styrofoam™ Brand Extruded Polystyrene (XPS) Foam Insulation** is not listed in the roof system Florida Product Approval, a request may be made to the Authority Having Jurisdiction for local-approval provided that wind resistance data (**FBC 1504.3.1**), external fire classification data (**ASTM E108** or **UL790 per FBC 1505**) and internal fire resistance data (**NFPA 276** or **UL1256 per FBC 1508.1** and **FBC 2603.4.1.5**), as applicable, is provided specifically with the subject roof cover.
- 5.4 All products in the roof assembly shall have quality assurance audit in accordance with F.A.C. [Rule 61G20-3](#).

## 6. INSTALLATION:

**Styrofoam™ Brand Extruded Polystyrene (XPS) Foam Insulation** shall be installed in accordance with **DuPont de Nemours, Inc.** published installation instructions, coupled with attachment requirements set forth in the roof system or waterproofing system Florida Product Approval (for wind resistance) and fire classification listings.

## 7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

## 8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by F.A.C. [Rule 61G20-3](#) QA requirements. Refer to [Section 4](#) herein for product and production locations having met codified material standards.

## 9. QUALITY ASSURANCE ENTITY:

[UL, LLC – QUA9625](#): (360) 817-5512; [bsai.inspections@ul.com](mailto:bsai.inspections@ul.com)

– END OF PEER –