



**NEMO|etc.**

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**EVALUATION REPORT**

**CertainTeed Corporation**

20 Moores Road  
Malvern, PA 19355  
(610) 651-5847

**Evaluation Report C40710.02.13-R3**

**FL491-R7**

**Date of Issuance: 02/14/2013**

**Revision 3: 02/19/2019**

**SCOPE:**

This Evaluation Report is issued under **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 **6<sup>th</sup> Edition (2017) Florida Building Code** sections noted herein.

**DESCRIPTION: FlintBoard™ Roof Insulations**

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

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO|etc. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Evaluation Report number preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

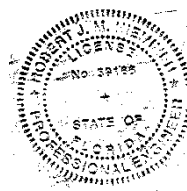
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 3.

**Prepared by:**

**Robert J.M. Nieminen, P.E.**

Florida Registration No. 59166, Florida DCA ANE1983



The facimile seal appearing was authorized by Robert Nieminen, P.E. on 02/19/2019. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO|etc. 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. 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 evaluation reports 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. nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

**ROOFING COMPONENT EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Insulation  
**Compliance Statement:** FlintBoard™ Roof Insulations, as produced by CertainTeed Corporation, have demonstrated compliance with the following sections of the 6<sup>th</sup> Edition (2017) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

Section	Property	Standard	Year
2603.3	Flame Spread	ASTM E84 <sup>1</sup>	2013
T1508.2	Physical Properties	ASTM C1289	2013

**3. REFERENCES:**

Entity	Examination	Reference	Date
ERD (TST6049)	ASTM C1289	C31640.04.10	04/06/2010
ERD (TST6049)	ASTM C1289 (FL)	C42950.09.13-1A-R1	03/04/2014
ERD (TST6049)	ASTM C1289 (PA)	C42950.03.14	03/26/2014
ERD (TST6049)	ASTM C1289 (FL)	C42950.02.14-1A-R2	04/16/2014
ERD (TST6049)	ASTM C1289 (IL)	C46470.10.14-1A-1	10/03/2014
ERD (TST6049)	ASTM C1289 (UT)	C46470.01.15-1	01/08/2015
ERD (TST6049)	ASTM C1289 (UT)	C46470.01.15-2	01/08/2015
ITS (TST1585)	ASTM E84	100114954SAT-001 B	06/08/2010
FM Approvals (TST1867)	ASTM E84	3018331	08/30/2004
FM Approvals (TST1867)	ASTM E84	3009926	02/11/2013
Miami-Dade (CER 1592)	HVHZ Compliance	14-0916.08	01/08/2015
Miami-Dade (CER 1592)	HVHZ Compliance	18-0129.04	04/12/2018
PRI (TST5878)	ASTM C1289 (GA)	ATL-129-02-01	01/02/2014
PRI (TST5878)	ASTM C1289 (GA)	ATL-129-02-02	01/02/2014
R&D Services (IAS TL-566)	ASTM C1289 (TX)	RD18149	02/26/2018
R&D Services (IAS TL-566)	ASTM C1289 (NY)	RD18229	04/02/2018
UL, LLC. (QUA 9625)	Quality Control	Multiple-Listing, R18846	10/26/2009
UL, LLC. (QUA 9625)	Quality Control	Multiple-Listing, R13089	01/07/2011
UL, LLC (QUA9625)	Quality Control	Service Confirmation	02/04/2019

**4. PRODUCT DESCRIPTION:**

The following insulations are mechanically attached or adhered to Approved substrates using fasteners, stress plates and adhesives, as outlined in the Roof System Product Approval.

**TABLE 1: SUMMARY OF FLINTBOARD ROOF INSULATION PRODUCTS**

Product	ASTM C1289			Dimensional Offering		Plants
	Type	Class	Grade	Thick (in)	Dimensions (ft)	Non-HVHZ (C1289)
FlintBoard <sub>H</sub> ISO F	I	1	2 or 3	1 to 4	4x4 or 4x8	FL, IL, NY, PA, UT
FlintBoard Iso	II	1	2 or 3	1 to 4	4x4 or 4x8	GA
FlintBoard Iso-T	II	1	2 or 3	1 to 4.5	4x4	GA
FlintBoard Iso Cold	II	2	2 or 3	1.3 to 4	4x4 or 4x8	GA
FlintBoard <sub>H</sub> ISO	II	1	2 or 3	1 to 4.5	4x4 or 4x8	FL, IL, NY, PA, TX, UT
FlintBoard <sub>H</sub> ISO T	II	1	2 or 3	0.5 to 4.5	4x4	FL, IL, NY, PA, TX, UT

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

**TABLE 1: SUMMARY OF FLINTBOARD ROOF INSULATION PRODUCTS**

Product	ASTM C1289			Dimensional Offering		Plants
	Type	Class	Grade	Thick (in)	Dimensions (ft)	Non-HVHZ (C1289)
FlintBoard <sub>H</sub> ISO Cold	II	2	2 or 3	0.5 to 4.5	4x4 or 4x8	FL, IL, NY, PA, TX, UT
FlintBoard <sub>H</sub> ISO T Cold	II	2	2 or 3	0.5 to 4.5	4x4	FL, IL, NY, PA, TX, UT
FlintBoard <sub>H</sub> ISO NB (OSB)	V	N/A	N/A	1.5 to 4	nominal 4x8	IL
FlintBoard <sub>H</sub> ISO NB (plywood)	V	N/A	N/A	1.5 to 4	nominal 4x8	IL
FlintBoard <sub>H</sub> CV (OSB)	V	N/A	N/A	2.5 to 5	4x8	FL, IL, NY, PA, UT
FlintBoard <sub>H</sub> CV (plywood)	V	N/A	N/A	2.5 to 5	4x8	FL, IL, NY, PA, UT

**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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in HVHZ jurisdictions.
- 5.3 Refer to roof system Product Approval (for uplift resistance) and an approved Roofing Materials Directory (for fire ratings; e.g., *UL TJBX.R11656*) for use and installation of **FlintBoard Roof Insulation**. If FlintBoard Roof Insulation is not listed in the roof system Product Approval, a request may be made to the Authority Having Jurisdiction for local approval provided that **NFPA 276** or **UL1256** internal fire; **ASTM E108, UL790** or **Testing Application Standard TAS 114, Appendix A** external fire and/or **FM 4474, UL1897** or **Testing Application Standard TAS 114** wind uplift data, 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 the **F.A.C. 61G20-3**.

**6. INSTALLATION:**

- 6.1 **FlintBoard Roof Insulation** shall be installed in accordance with **CertainTeed Corporation** published installation instructions, coupled with attachment requirements set forth in the roof system Product Approval documentation and approved Roofing Materials Directory (for fire ratings).
- 6.2 The maximum board size for bonded applications is 4x4 ft.

**7. BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or Authority Having Jurisdiction in order 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 Table 1 for products and locations having qualified under **ASTM C1289-13**.

**9. QUALITY ASSURANCE ENTITY:**

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -