



EVALUATION REPORT

FLORIDA BUILDING CODE, 7TH EDITION (2020)

Manufacturer: JOHNS MANVILLE CORPORATION
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Manufacturing Locations: Jacksonville, FL
 Cornwall, ON
 Rockdale, IL
 Bremen, IN

Quality Assurance: UL LLC (QUA9625)

SCOPE

Category: Roofing
Subcategory: Insulation
Code Sections: 1508.1, 1508.2
Properties: Physical Properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
NEMO ETC LLC (TST6049)	00251.10.02	ASTM C 728	2015
NEMO ETC LLC (TST6049)	00252.10.02	ASTM C 1289	2015
NEMO ETC LLC (TST6049)	J0681.04.06-R1	ASTM C 1289	2015
FM Approvals (TST1867)	3023546	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	100982457SAT-001A	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101050452SAT-001B	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101050452SAT-001C	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101050452SAT-001E	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101050452SAT-001F	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101175749SAT-001A	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101295654SAT-001A	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101793764SAT-001A	ASTM E 84	2016
Intertek Testing Services NA Inc (TST1585)	101793764SAT-001B	ASTM E 84	2016
PRI Construction Materials Technologies (TST5878)	JMC-104-02-01	ASTM C 728	2015
PRI Construction Materials Technologies (TST5878)	JMC-120-02-01	ASTM C 728	2015
PRI Construction Materials Technologies (TST5878)	JMC-121-02-01	ASTM C 728	2015
PRI Construction Materials Technologies (TST5878)	JMC-122-02-01	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-125-02-01	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-172-02-01	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-172-02-02	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-175-02-01	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-177-02-01	ASTM C 1289	2015
PRI Construction Materials Technologies (TST5878)	JMC-339-02-03	ASTM C 1289	2015
		ASTM E 84	2016
PRI Construction Materials Technologies (TST5878)	JMC-339-02-04	ASTM C 1289	2015
		ASTM E 84	2016

PRODUCT DESCRIPTION

ENRGY 3®, ISO 3, ValuTherm (Jacksonville, FL) ASTM C1289, Type II, Class 1, Grade 2 rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded between two fiber glass reinforced facers. Available in flat stock or tapered boards. Thickness ranges from 0.5" to 4.1" and available board sizes are 4x4 ft. and 4x8 ft.



- ENRGY 3® 25 PSI, ValuTherm 25 PSI (Jacksonville, FL)** ASTM C1289, Type II, Class 1, Grade 3 rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded between two fiber glass reinforced facers. Available in flat stock or tapered boards. Thickness ranges from 0.5" to 4.1" and available board sizes are 4x4 ft. and 4x8 ft.
- Invinsa™ Roof Board, Invinsa™ FR Roof Board (Cornwall, ON)** ASTM C1289, Type II, Class 2 high-density polyisocyanurate bonded to mineral-surfaced, fiber glass reinforced facers. Thickness is 0.25" and available board sizes are 4x4 ft. and 4x8 ft.
- ProtectorR HD (Cornwall, ON)** ASTM C1289, Type II, Class 4, Grade 1&2 high-density polyisocyanurate with inorganic coated glass facers. Thickness is 0.5" and available board sizes are 4x4 ft. and 4x8 ft.
- SeparatoR (Jacksonville, FL)** ASTM C1289, Type II, Class 1, Grade 2 rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded between two fiber glass reinforced facers. Available in flat stock at 0.5" thickness only. Available board sizes are 4x4 ft. and 4x8 ft.
- SeparatoR CGF (Jacksonville, FL)** ASTM C1289, Type II, Class 1, Grade 3 rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded between two fiber glass reinforced facers. Available in flat stock at 0.5" thickness only. Available board sizes are 4x4 ft. and 4x8 ft..
- Fesco Foam® (Jacksonville, FL)** ASTM C1289, Type III rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded in the foaming process to Fesco Laminator Board on one side and a fiber-reinforced facer on the other. Available in flat stock or tapered boards. Thickness ranges from 1.5" to 4.1" and available board size sizes are 4x4 ft. and 4x8 ft.
- DuraFoam® (Jacksonville, FL)** ASTM C1289, Type III rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded in the foaming process to DuraBoard® on one side and a fiber-reinforced facer on the other. Available in flat stock or tapered boards. Thickness ranges from 1.5" to 4" and available board size sizes are 4x4 ft. and 4x8 ft.
- InvinsaFoam® (Jacksonville, FL)** ASTM C1289 rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded in the foaming process to Invinsa™ Roof Board on one side and a fiber-reinforced facer on the other meeting TAS 110. Available in flat stock or tapered boards. Thickness is 1/4" and available board sizes are 4x4 ft. and 4x8 ft.
- Nailboard® (Jacksonville, FL)** ASTM C1289, Type V rigid roof insulation composed of a closed cell polyisocyanurate foam core bonded in the foaming process to 7/16" or 5/8" oriented strand board (OSB) one side and a universal glass-reinforced facer on the other. Thickness ranges from 2" to 4.5" and available board size is 47-1/2" x 95-1/2".
- Vented Nailboard® (Jacksonville, FL)** ASTM C1289, Type V rigid roof insulation composed of a closed cell polyisocyanurate foam core attached with spacers to 7/16" or 5/8" oriented strand board (OSB) one side and a universal glass-reinforced facer on the other. Thickness ranges from 2.5" to 5.5" and available board size is 4x8 ft.
- Fesco® Board (Rockdale, IL)** ASTM C728 homogenous insulation, composed of expanded perlite, blended with selected binders and fibers meeting. The top surface is sealed with TopLoc® coating to prevent excessive absorption of asphalt during the installation process. Available in flat stock or tapered boards. Available thicknesses are 0.75", 1" and 1.5" and available board sizes are 2x4 ft. and 4x4 ft.
- Fesco® Board HD (Rockdale, IL)** ASTM C728 homogenous insulation, composed of expanded perlite, blended with selected binders and fibers meeting. The top surface is sealed with TopLoc® coating to prevent excessive absorption of asphalt during the installation process. Available in flat stock or tapered boards. Thicknesses is 1" and available board size is 4x4 ft.

DuraBoard® Roof Insulation (Rockdale, IL)	ASTM C728 high-density, low-thermal rigid insulation board, composed primarily of expanded perlite with reinforcing cellulosic fibers and selected binders. Thickness ranges from 0.5" to 1" and available boards sizes are 4x4 ft and 4x8 ft.
1/2" Retro-Fit Board, RetroPlus™ Roof Board (Rockdale, IL)	ASTM C728 high-density board composed of expanded perlite and cellulosic fibers. The top surface is sealed with TopLoc® coating for use in bituminous applications. Thickness is 0.5" and available board sizes are 2x4ft., 4x4 ft. and 4x8 ft.

INSTALLATION

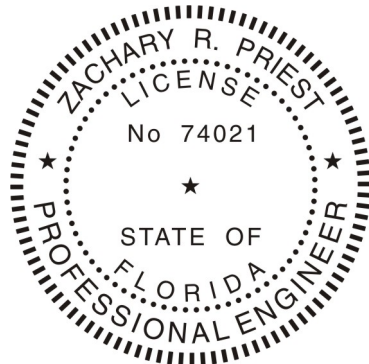
Products shall be installed in accordance with the *Approved* roof system requirements and Atlas Roofing's published installation instructions. Maximum board size for adhered applications is 4 x 4 ft.

LIMITATIONS

- 1) This report is not for use in the HVHZ.
- 2) Fire Classification is not within the scope of this evaluation.
- 3) Roof systems are *Approved* under the product approval granted for the specific roof cover.
- 4) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R Priest P.E. have demonstrated compliance with the Florida Building Code 7th Edition (2020) as evidenced in the referenced documents submitted by the named manufacturer.



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CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

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END OF REPORT