



EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Manufacturer: CELLOFOAM NORTH AMERICA INC
1977 Weaver Court
Conyers, GA 30013
(800) 468-3626
<http://www.cellofoam.com>

Issued August 8, 2023

Manufacturing Plants: Orlando, FL

Quality Assurance: UL LLC (QUA9625)

SCOPE

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

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST6049)	CNA-003-02-01	ASTM C 578	2018
PRI Construction Materials Technologies (TST6049)	CNA-003-02-02	ASTM C 578	2018
PRI Construction Materials Technologies (TST6049)	CNA-005-02-01	ASTM C 578	2018
PRI Construction Materials Technologies (TST6049)	CNA-010-02-01	ASTM C 578	2018
RADCO (TST1987)	RAD-3597	ASTM C 578	2018

PRODUCT DESCRIPTION

Cellofoam EPS Roof Insulation	Type I, II, VIII or IX expanded polystyrene flat board insulation
Cellofoam Tapered EPS Roof Insulation	Type I, II, VIII or IX expanded polystyrene board insulation having a slope of 1/8, 3/16, or 1/4 per foot
Cellofoam FR Composite	Type I, II, VIII or IX expanded polystyrene board insulation with a coated fiberglass facer factory laminated boards one or both surfaces.
Cellofoam Holey Board	Type I, II, VIII or IX expanded polystyrene flat board insulation
Cellofoam Polyshield® FAN-FOLD Recovery Board	Type I, II or VIII expanded polystyrene flat board insulation with a polymeric film laminated to both surfaces. Available in 1/4", 3/8", and 1/2" nominal thicknesses.



PHYSICAL PROPERTIES

Type I EPS	<u>Property</u>	<u>Standard</u>	<u>Typical Values</u>
	Density	ASTM D 1622	Min. 0.9 lbs/ft ³
	Compressive Strength	ASTM C 165	Min. 10.0 psi
	Flexural Strength	ASTM C 203	Min. 25.0 psi
	Water Absorption	ASTM C 272	Max. 4.0% (by volume)
	Water Vapor Transmission	ASTM E 96	Max. 5.0 Perms @ 1" thick
Type II EPS	<u>Property</u>	<u>Standard</u>	<u>Typical Values</u>
	Density	ASTM D 1622	Min. 1.35 lbs/ft ³
	Compressive Strength	ASTM C 165	Min. 15.0 psi
	Flexural Strength	ASTM C 203	Min. 35.0 psi
	Water Absorption	ASTM C 272	Max. 3.0% (by volume)
	Water Vapor Transmission	ASTM E 96	Max. 3.5 Perms @ 1" thick
Type VIII EPS	<u>Property</u>	<u>Standard</u>	<u>Typical Values</u>
	Density	ASTM D 1622	Min. 1.15 lbs/ft ³
	Compressive Strength	ASTM C 165	Min. 13.0 psi
	Flexural Strength	ASTM C 203	Min. 30.0 psi
	Water Absorption	ASTM C 272	Max. 3.0% (by volume)
	Water Vapor Transmission	ASTM E 96	Max. 3.5 Perms @ 1" thick
Type IX EPS	<u>Property</u>	<u>Standard</u>	<u>Typical Values</u>
	Density	ASTM D 1622	Min. 1.80 lbs/ft ³
	Compressive Strength	ASTM C 165	Min. 25.0 psi
	Flexural Strength	ASTM C 203	Min. 50.0 psi
	Water Absorption	ASTM C 272	Max. 2.0% (by volume)
	Water Vapor Transmission	ASTM E 96	Max. 2.5 Perms @ 1" thick

INSTALLATION

Products shall be installed in accordance with the *Approved* roof system requirements and Cellofoam's published installation instructions.

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, 8th Edition (2023) as evidenced in the referenced documents submitted by the named manufacturer.



This item has been
digitally signed and
sealed by Zachary R.
Priest, PE, on 8/8/2023.

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Digitally signed by Zachary R. Priest
CREEK Technical Services, LLC

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Zachary R. Priest, P.E.
Florida Registration No. 74021
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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.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT