



FTR-Value

Product Data

FTR-Value polyisocyanurate roof insulation consists of polyiso foam core with superior fire performance characteristics and the ability to retain its high R-values over time.

DESCRIPTION

FTR-Value polyisocyanurate roof insulation is manufactured to meet and/or exceed Federal Specifications: ASTM C1289-11 Type II, Class I, Grade 2.

FTR-VALUE is offered in a variety of thicknesses for single, multi-layer and tapered installations. The closed-cell polyiso foam core is integrally laminated to fiber reinforced or fiberglass facers. The composition of FTR-VALUE provides an excellent substrate for mechanically attached and adhered FiberTite Roofing Systems.

FTR-VALUE is available in 4' x 4' or 4' x 8' boards and has a long-term thermal resistance (LTTR) of approximately 6.0 per inch.

Underwriters Laboratories and FM-Global have classified/approved FTR-VALUE, as a component of our FiberTite Roofing Systems(s), respectively as Class A (UL 790) and Class 1A (FM 4470). FTR-VALUE is also accepted by building code jurisdictions.

APPLICATION

See Seaman Corporation Guide Specification (GS 04/08) and Addendums as well as Seaman Corporation/FiberTite Material Safety Data Sheets (MSDS) for additional and specific application, design parameters and material precautions.

Use proper handling and storage methods for FTR-Value insulation, keeping it dry at all times. Tightly butt all roof insulation board edges and stagger adjacent joints. Install no more insulation than can be effectively covered/completed during the same day.

Except for loose laid/ballast applications, FTR-Value roof insulation must be secured to the roof deck. Approved securement methods include mechanical attachment using FTR fasteners and insulation stress plates appropriate for the deck type. Alternatively, FTR-Value roof insulation may be attached with FTR-601 adhesive, hot asphalt or other approved adhesives appropriate to the deck type. For adhered insulation attachment, insulation boards shall not exceed 4ft x 4ft.

PHYSICAL PROPERTIES

Dimensional Stability	ASTM D 2126	<2%
Compressive Strength	ASTM D 1621	20 psi*
Water Absorption	ASTM C 209	<1% by volume
Moisture Vapor Transmission	ASTM E 96	<1 Perm
Product Density	ASTM D 1622	Nominal 2.0 pcf
Flame Spread	ASTM E 84	50 or less
Smoke Density	ASTM E 84	450 or less

*FTR-VALUE is also available in 25 psi compressive strength (Grade 3)

FTR-VALUE THERMAL VALUES

Thickness	LTTR R-Value*	Flute Spanability	Weight per ft ²
1.00" (25 mm)	5.70	2 5/8"	0.24 lb
1.50" (38 mm)	8.60	4 3/8"	0.32 lb
1.60" (41 mm)	9.10	4 3/8"	0.34 lb
1.70" (43 mm)	9.60	4 3/8"	0.35 lb
1.80" (46 mm)	10.30	4 3/8"	0.37 lb
2.00" (51 mm)	11.40	4 3/8"	0.40 lb
2.50" (64 mm)	14.40	4 3/8"	0.48 lb
2.60" (66 mm)	15.00	4 3/8"	0.49 lb
2.70" (69 mm)	15.60	4 3/8"	0.51 lb
3.00" (76 mm)	17.40	4 3/8"	0.56 lb
3.10" (79 mm)	18.00	4 3/8"	0.57 lb
3.30" (84 mm)	19.20	4 3/8"	0.61 lb
3.50" (89 mm)	20.50	4 3/8"	0.64 lb
3.60" (91 mm)	21.10	4 3/8"	0.65 lb
3.70" (94 mm)	21.70	4 3/8"	0.67 lb
4.00" (102 mm)	23.60	4 3/8"	0.72 lb



INTELLIGENT ROOFING SOLUTIONS

For more information on FiberTite Systems and accessories please call:
Seaman Corporation (800) 927-8578
International (330) 262-1111
www.fibertite.com

*Long Term Thermal Resistance Foam Core Values are based on ASTM C1289-11 and CAN/ULC S770 which provides for a 15-year time weighted average. All PIMA members have adopted this advanced standard for R-Value measurement as of 1/1/03. Values listed are as of 12/1/2015.

FiberTite® is a registered trademark of Seaman Corporation.

These specifications are current as of the date of printing. Revisions or additions may be issued periodically. For a listing, presentation, and download of the most recent data, visit:

www.fibertite.com/document-library/product-data-sheets



Subject to the conditions of Approval for a roof covering when installed as described in the current edition of the Approval Guide.



As to an external fire exposure only. See UL directory of products certified for Canada and UL roofing materials and systems directory 34KL, 48P0, 97P9.

