

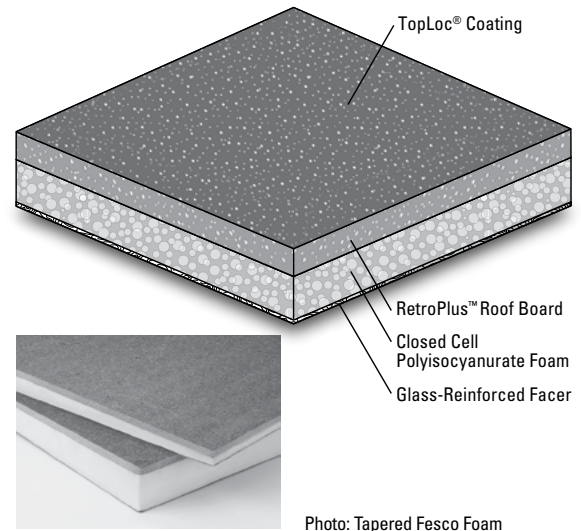
Meets the requirements of ASTM C 1289, Type III
Fesco Foam / Tapered Fesco Foam

Features and Components

TopLoc[®] Coating: Top surface is sealed with this special coating to reduce excessive asphalt absorption in hot-asphalt applied roofing systems.

Rigid Roof Insulation Board: Composed of a closed cell polyisocyanurate foam core bonded in the foaming process to RetroPlus Roof Board on one side and a glass-reinforced facer on the other. RetroPlus Roof Board is an expanded perlite mineral aggregate board.

High Thermal Efficiency: Utilizes an environmentally compliant blowing agent containing pentane hydrocarbon to enhance the thermal performance of the foam insulation.



Component
I Insulation
Multi-Ply
Type
HT High Thermal
CP Composite
TP Tapered

Photo: Tapered Fesco Foam

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	CA	HW	HA	CA	HW	SA
Compatible with the selected Multi-Ply systems above								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
Do not use with Single Ply systems							

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened FA = Fully Adhered BA = Ballasted

Energy and the Environment

LEED [®] Recycled Content	Varies with thickness, see <i>Product Data and Packaging</i> table on back page.
Produced with environmentally compliant pentane blowing agent with zero ozone depletion (conforms to the Montreal Protocol of 1987).	

Peak Advantage[®] Guarantee Information

Systems
For use in approved JM Peak Advantage Roofing Guarantees

Codes and Approvals



- FM[®] Standards 4450/4470 Approvals (refer to FM RoofNavSM)
- Meets the requirements of CAN/ULC S704
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1341
- Complies with EPA requirements and meets Clean Air Act Amendments of 1990
- Third-party certification with the PIMA Quality Mark[™] for Long-Term Thermal Resistance (LTTR) values

Refer to the Safe for Use instructions and product label prior to using this product. The Safe for Use instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

Installation/Application



Refer to the application instructions guidelines for proper utilization of this product.

Flute Span:
Width of Rib Opening: Up to 4⁵/₈" (11.75 cm)
Insulation Thickness (*min*): 1.5" (3.81 cm)

Packaging and Dimensions

Standard Flat Sizes ¹	4' x 4' (1.22 m x 1.22 m)	4' x 8' (1.22 m x 2.44 m)	
Tapered Size ²	4' x 4' (1.22 m x 1.22 m)		
Producing Locations	Bremen, IN Hazleton, PA	Cornwall, ONT Jacksonville, FL	Fernley, NV
Stocking Locations ³	Grand Prairie, TX	Southgate, CA	Tracy, CA

1. For available thicknesses, see *Product Data and Packaging* table on back side of this data sheet. Other sizes available by special request, some sizes are not stocked and special order with minimum order quantities. Contact your JM Sales Representative for details.
2. Tapered Fesco Foam and Tapered Fesco Foam 25 PSI are available in thicknesses of 1.0" to 3.0". Available profiles are shown on the back side of this data sheet. In some regions extended panels are also available.
3. Not all sizes, thicknesses, and products are stocked at all locations, please call Customer Service at 1-877-766-3295.

Note: Technical information on this data sheet is intended to be used as a general guideline only and is subject to change without notice. Contact your JM Sales Representative for further details.

Meets the requirements of ASTM C 1289, Type III

Typical Physical Properties

Test		ASTM	Values
Strength	Laminar Tensile Strength	C 209	4 psi (28 kPa)
	Compressive Resistance 10% Consolidation	C 1621	Grade 2: 20 psi (138 kPa), Grade 3: 25 psi (172 kPa)
	Dimensional Stability Change – 7 days @ 158°F (70°C), 90-100% RH	D 2126	Lengthwise <2%, Crosswise <2%
Moisture	Moisture Vapor Permeance	E 96	<1 perm, 57.5 ng/(Pa•s•m ²)
	Water Absorption, % by Vol. (2 hr)	C 209	<1.5% (max)
Installation	Service Temperature	D 1623	-100°F – 250°F (-73°C – 121°C)
	Flame Spread, (foam core)	E 84	20-30
	Smoke Developed, (foam core)	E 84	55-250

Product Data and Packaging

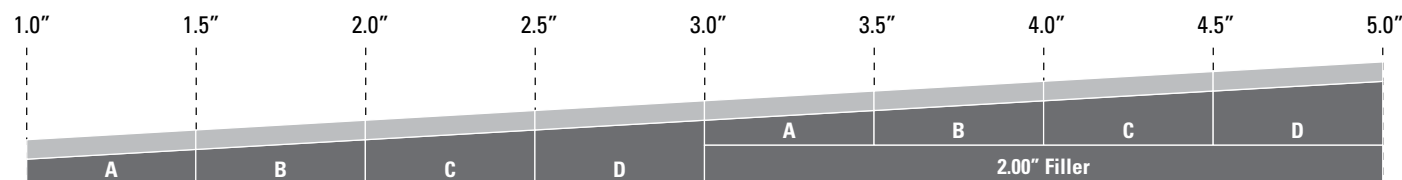
Thickness		Long-Term Thermal Resistance (LTTR) Values ¹		Recycled Content ²			Boards per Pallet	Square Feet per Pallet		Pallets per Truck ³	
in.	mm	(hr•ft ² •°F)/BTU	m ² •°C/W	% Pre-Consumer	% Post-Consumer	% Total	4x4 and 4x8	4x4	4x8	4x4	4x8
1.5	38	7.0	1.24	2.7	32.4	35.1	32	512	1024	48	24
1.8	46	8.7	1.54	3.2	30.7	33.9	25	400	800		
2.0	51	9.9	1.74	3.4	29.8	33.2	24	384	768		
2.3	58	11.6	2.04	3.7	28.8	32.5	20	320	640		
2.5	64	12.7	2.24	3.9	28.0	31.9	19	304	608		
2.6	66	13.3	2.34	4.1	27.5	31.5	18	288	576		
2.8	71	14.5	2.56	4.4	26.4	30.8	16	256	512		
3.0	76	15.7	2.77	4.5	26.1	30.6	16	256	512		
3.5	89	18.7	3.30	4.9	24.8	29.6	13	208	416		
3.7	94	19.9	3.50	5.0	24.2	29.2	12	192	384		
4.0	102	21.8	3.84	5.2	23.4	28.6	12	192	384		

1. The Long-Term Thermal Resistance (LTTR) values were determined in accordance with CAN/ULC S770 at 75°F (24°C). The ultimate R-Value of these products will depend on individual installation circumstances. 2. Value represents average results. 3. Assumes 48' flatbed truck.

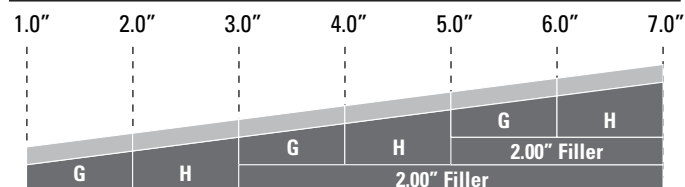
Profiles per Slope for Tapered Fesco Foam

■ Tapered Fesco Foam[®] ISO and filler ■ RetroPlus[™] bonded to insulation in the manufacturing process

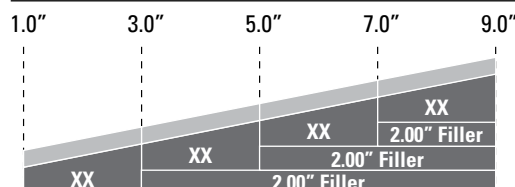
1/8" per foot (10.4 mm/m) Slope



1/4" per foot (20.8 mm/m) Slope



1/2" per foot (41.6 mm/m) Slope



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