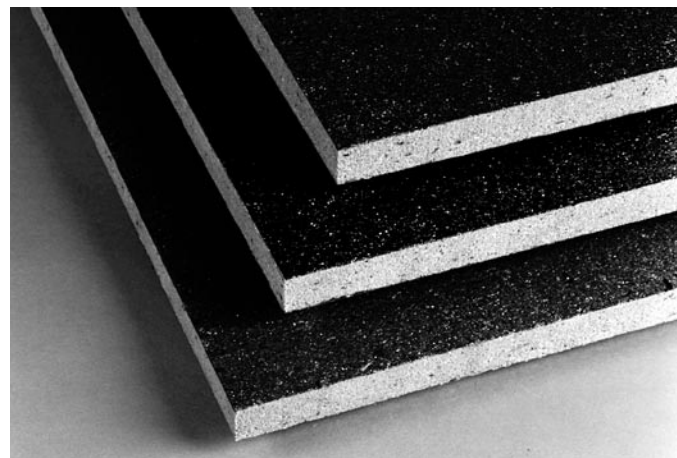


**Description**

Johns Manville (JM) Fesco Board is a homogenous insulation board, composed of expanded perlite, blended with selected binders and fibers. The expanded perlite contains air cells which provide superior insulating efficiency. The top surface of the board is sealed with a special TopLoc® coating to prevent excessive absorption of asphalt during the installation process. Fesco Board meets the physical requirements of ASTM C 728.

**Use**

Fesco Board Roof Insulation is intended for use as a low thermal roof insulation board and general purpose cover board for use over closed cell foam insulation boards in BUR, modified bitumen and some single ply roofing systems. Fesco Board can be installed using hot asphalt or mechanical fasteners. It has been rated in numerous FM Global® 1A-60, 1A-90 and 1A-180 fire and wind-resistant systems and is also approved for use in specific Underwriters Laboratories Inc. Class A constructions and Roof/Ceiling hourly fire-rated (P design) assemblies. Fesco Board has been successfully used in a wide variety of roofing applications for over forty years. Material will have UL® labels only when requested on the order.



**Energy and the Environment**

<b>LEED®</b>	<b>Recycled Content</b>	
	Postindustrial:	2%
	Postconsumer:	28%
	Total:	30%
	<b>Producing Location:</b> Rockdale, IL	

**Advantages**

- Resists damage from construction and maintenance
- Excellent substrate for most roofing membranes
- Dimensionally stable
- Excellent fire resistance
- TopLoc coating ensures proper membrane adhesion

**Typical Physical Properties**

	<b>Values</b>	<b>Test Method</b>
Water Absorption, % by Volume – 2 hours .....	1.5 max.....	ASTM C 209
Compression Resistance		
5% Consolidation–psi.....	30 (207 kPa).....	ASTM C 165
10% Consolidation–psi.....	40 (276 kPa)	
Laminar Strength–psi.....	7 (48 kPa).....	ASTM C 209
Flexural Strength–psi.....	65 (448 kPa).....	ASTM C 203
Product Density–pcf.....	9 (144 kg/m³).....	ASTM C 209
Linear Expansion.....	0.5% max. ....	ASTM C 209

**For Use over Metal Decks**

The minimum thicknesses of Fesco Board Roof Insulation over metal decks are as follows:

<b>Width of Rib Opening</b>	<b>Up to 1" (Max) (2.54 cm)</b>	<b>Up to 1¾" (Max) (4.45 cm)</b>	<b>Up to 2½" (Max) (6.35 cm)</b>
Thickness of Insulation (Minimum)	¾" (1.91 cm)	1" (2.54 cm)	1½" (3.81 cm)

Avoid concentrating loads on insulation. Minimum bearing on flat surface: 2" (5.08 cm). Fesco is not recommended where temperatures are maintained in excess of 200°F (93°C).

**Thermal Performance**

<b>Thickness</b>	<b>C-Value (Conductance)</b>		<b>R-Value (Resistance)</b>		
	<b>in.</b>	<b>cm</b>	<b>BTU/(hr·ft²·°F)</b>	<b>W/m²·°C</b>	<b>(hr·ft²·°F)/BTU</b>
¾"	1.91	0.48	2.73	2.08	0.37
1"	2.54	0.36	2.04	2.78	0.49
1½"	3.81	0.24	1.36	4.17	0.73
2"	5.08	0.18	1.02	5.56	0.98

**Sizes**

Fesco Board is available in 2' x 4' (0.61 m x 1.22 m) and 4' x 4' (1.22 m x 1.22 m) sizes. Other thicknesses available upon request.

Refer to the Material Safety Data Sheet and product label prior to using this product.