

Description

Fesco Board is a low thermal insulation board composed of expanded perlite, reinforcing cellulosic fibers and selected binders. Expanded perlite provides excellent insulation value and fire resistance. The top surface of the board is sealed with a special TopLoc® coating to reduce excessive asphalt absorption in hot-asphalt applied roofing systems. Fesco Board meets the physical requirements of ASTM C 728, Type 1.

Use

Fesco Board performs well as a low-thermal insulation board in hot-asphalt applied built-up and modified bitumen roofing membrane systems. The board may also be used as a cover board to protect underlying closed cell foam insulation layers in BUR, modified bitumen and select single ply roofing systems.

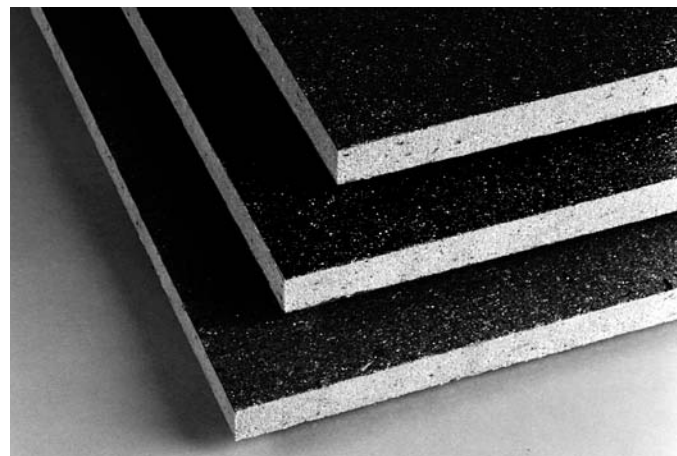
Fesco Board can be adhered to lower system layers using hot asphalt or mechanically attached with fasteners.

Approvals

- Numerous FM Global® approved assemblies
- Miami-Dade County approvals
- Specific Underwriters Laboratories Inc. Class A constructions and Roof/Ceiling hourly fire-rated (P design) assemblies

Advantages

- Hot-asphalt friendly; resists membrane blistering
- Excellent fire resistance with expanded perlite
- Versatile — protective cover board with insulation value
- TopLoc coating ensures excellent membrane adhesion without excessive asphalt



Energy and the Environment

LEED®	Recycled Content:	34% average <small>For post and pre-consumer recycled content, visit the Fesco Board product page on the JM roofing Web site.</small>
	Producing Location:	Rockdale, IL



ENVIRONMENTAL CLAIMS VALIDATION ✓ Fesco® Board contains an average of 34% recycled content.

Typical Physical Properties

Test	Values	ASTM
Board Density—pcf.....	9 (144 kg/m ³).....	C 209
Compressive Strength		
5% Consolidation—psi.....	30 (207 kPa).....	C 165
Laminar Tensile Strength—psi.....	8 (55 kPa).....	C 209
Flexural Strength—psi.....	65 (448 kPa).....	C 203
Break Load—lb.....	9 (¾ in.), 13 (1 in.), 23 (1½ in.).....	C 203
Flute Span—in.....	1 (¾ in.), 1.75 (1 in.), 2.5 (1½ in.)....	E 661
Moisture Content—wt%.....	1.5.....	N/A
Water Absorption, % (2 hr).....	1.5 max.....	C 209
Linear Expansion—%.....	0.5 max.....	C 209
Flame Spread.....	25.....	E 84
Smoke Developed.....	10.....	E 84

Thermal Performance

Thickness		C-Value (Conductance)		R-Value (Resistance)	
in.	mm	BTU/(hr•ft ² •°F)	W/m ² •°C	(hr•ft ² •°F)/BTU	m ² •°C/W
¾	19	0.50	2.8	2.0	0.35
1	25	0.37	2.1	2.7	0.48
1½	38	0.24	1.4	4.1	0.72
2	51	0.19	1.1	5.4	0.95

Sizes

2' x 4'

Thickness (in.)	Pieces/Bundle	Ft ² /Bundle	Bundle/Pallet
¾	12	96	10
1	10	80	10
1½	6	48	10
2	5	40	10
3	3	24	10

4' x 4'

Thickness (in.)	Pieces/Pallet	Ft ² /Pallet
¾	60	960
1	50	800
1½	30	480
2	25	400
3	15	240

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