

## Description

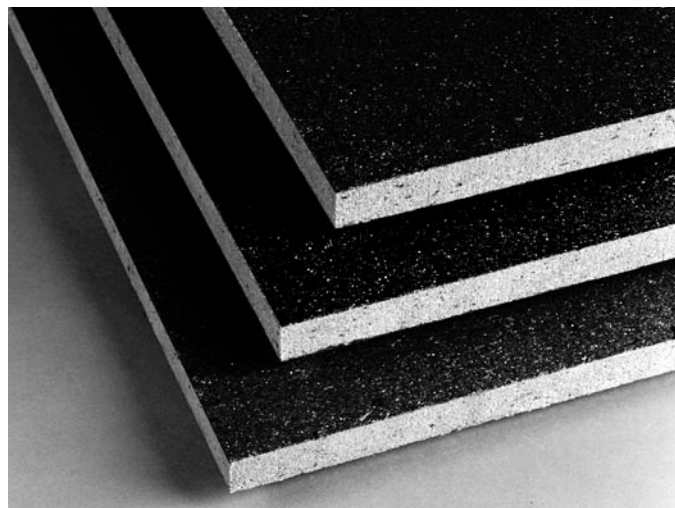
Fesco Board HD Roof Insulation is a 1" (2.54 cm) thick, high density homogeneous rigid insulation board, composed of expanded perlite, blended with selected binders and cellulosic fibers. The expanded perlite contains air cells which provide superior insulating efficiency. The top surface is sealed with a special TopLoc® coating to prevent excessive absorption of asphalt during the installation process. Fesco Board HD meets the strength requirements of ASTM C 728.

## Use

Fesco Board HD Roof Insulation Board is a special made-to-order product for use directly over a wide flute or metal deck applications. Fesco Board HD can span up to a 2½" (6.35 cm) wide deck spanability, and can be used under BUR, modified bitumen and some single ply roofing systems using hot asphalt, mechanical fasteners, and cold adhesives. It has been rated in numerous FM Global® 1A-60, 1A-90 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. Materials will have UL® labels only when requested on the order.

## Advantages

- Spans up to 2½" (6.35 cm) wide metal deck
- Resists damage from construction and maintenance
- Excellent substrate for most roofing membranes
- Superior fire resistance
- Dimensionally stable
- TopLoc coating ensures proper membrane adhesion



## Energy and the Environment

LEED®	Recycled Content	
	Postindustrial:	3%
	Postconsumer:	28%
	Total:	31%
	<b>Producing Location:</b> Rockdale, IL	

## Typical Physical Properties

	Values	Test Method
Metal Deck Spanability, inches ....Up to 2½" (6.35 cm)		
Water Absorption		
% Volume – 2 hours .....	1.5%	ASTM C209
Compression Resistance		
5% Consolidation, psi.....	30 (207 kPa)	ASTM C 165
10% Consolidation, psi.....	45 (311 kPa)	
Laminar Tensile Strength, psi.....	7 (48 kPa)	ASTM C 209
Flexural Strength, psi .....	80 (552 kPa)	ASTM C 203
Product Density, pcf.....	10.0 (160 kg/m³) nom.	ASTM C 209
Linear Expansion, % max .....	0.5	ASTM C 209

## Thermal Performance

Thickness	Nominal C-Value (Conductance)		Nominal R-Value (Resistance)			
	in.	cm	BTU/(hr·ft²·°F)	W/m²·°C	(hr·ft²·°F)/BTU	m²·°C/W
1	2.54	0.36	2.04	2.78	0.49	

## Sizes

Fesco Board HD is available in 1" (2.54 cm) thickness and 4' x 4' (1.22 m x 1.22 m) board size on a special made-to-order basis only. Please allow minimum two-week lead time for manufacturing production scheduling.

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