

1" EcoShield Insulation (Foil Face)

Insulation Characteristics

Material:	Foil Face Natural Fiber Duct Liner
Thickness:	1 inch
R-Value:	4.0 ft ² °F h/Btu @ 75°F
Density:	1.5 lbs/ft ³
Flame Spread:	less than 25
Smoke Density:	less than 50
Mold Growth:	None



Code Compliances

NFPA 90A & 90B	Appliances
NFPA 255	Flame / Smoke Spread (25/50)
UL 723	Flame / Smoke Spread (25/50)
UL 181	Resistance to Mold Growth and Air Erosion
ASTM C 411	Operating Temperature Limits
ASTM E84	Flame / Smoke Spread (25/50)
ASTM C 1071	Maximum Air Velocity
ASTM C 739	Corrosion Resistance
ASTM G 21	Fungi Resistance
ASTM G 22	Bacteria Resistance

Acoustical Performance

Correction factors to standard liner catalog data are shown below.

ESV Basic Units

Band	2	3	4	5	6	7	NC
HZ	125	250	500	1000	2000	4000	Impact
Discharge	0	0	0	0	0	0	0
Radiated	-2	-6	-7	-8	-9	-10	-3

ESV Attenuator Units (Average Correction Factor - Actual correction factor is dependent on unit size.)

Band	2	3	4	5	6	7	NC
HZ	125	250	500	1000	2000	4000	Impact
Discharge	0	-1	-2	-3	-3	-2	-2
Radiated	-2	-6	-7	-8	-9	-10	-3

Fan Powered Terminals

Band	2	3	4	5	6	7	NC
HZ	125	250	500	1000	2000	4000	Impact
Discharge	0	0	0	0	0	0	0
Radiated	+2	+3	+6	+11	+10	+3	+4