

## Fibre Free Insulation

### Insulation Characteristics

Material:	EPFI (Engineered Polymer Foam Insulation)
Thickness:	1 inch
R-Value:	4.0 ft <sup>2</sup> °F h/Btu @ 75°F
Density:	1.5 lbs/ft <sup>3</sup>
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 181	Air Erosion
UL 181	Mold Growth and Humidity
UL 723	Flame / Smoke Spread (25/50)
ASTM E96	Water Vapor Transmission
ASTM E84	Flame / Smoke Spread (25/50)
Factory Mutual Listed	

### 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	-1	-3	-4	-4	-5	-5	-1

#### 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	-1	-2	-4	-8	-9	-6	-1
Radiated	-1	-3	-4	-4	-5	-5	-1

#### 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	+3	+4	+4	+6	+6	+1	+3