

FBF-1 Composites

Product Description

Noise Barrier composite material combining the effects of the dB-Bloc barrier vinyl, a 1/4" backing foam and a 1" front facing foam. Ideal for lining enclosures to prevent noise transmission, reduce noise vibration and absorb trapped sound energy within the enclosure. Also available with an Aluminized Mylar facing to protect the material from moisture, heat, oil, abuse, sparks, and more. Pressure sensitive backing also optional for easy installation.

Physical Properties

Thickness	1.25" thick
Weight	1.2 pounds - 1.4 pounds / square foot
Tear	47 pounds / inch
Density	2 pounds per cubic foot
Elongation	100%
Tensile	286 pounds / square foot
Flammability	UL94 HV-1 passes
Weight Loss	4% after 70 hours @ 300 degrees F
Porosity	70 pores per linear inch
Size	48" x 48" sheets

Test Results

Frequency (Hz)	125	250	500	1000	2000	4000	AVG
Transmission Loss (dB)	20	21	25	28	32	42	27
Absorption (NRC)	.33	.24	.63	1.23	1.35	1.14	.85

Applications

- Enclosure Linings
- Door and Wall Insulators
- OEM Applications
- Apply with standard adhesives or PSA backing

WARNING: Urethane foam, when exposed to heat or ignition sources, may burn. Once ignited, urethane foams can burn rapidly, consuming a high rate of oxygen and releasing hazardous gases, toxic fumes and smoke. In an enclosed space, this may prove fatal. Consideration must be given to the flammability issue when using this product. Do not expose urethane foam to an atmosphere that will contaminate it, nor to ignition or heat sources that may cause it to burn.

NetWell
Noise Control