

Where innovative ideas take hold.

**PRODUCT DESCRIPTION:**

FB 3170 is an FSK (Foil-Scrim-Kraft) product used primarily as the facing or outer covering for fiberglass duct board, and in various insulation applications where a strong, abuse-resistant FSK vapor retarder or facing is needed. It features a relatively heavy aluminum foil and reinforcing pattern. It is also a good choice for radiant barrier applications because of its extremely low emissivity.

Please contact Technical Service for help with product and applications questions at 877-5COMPAC (1-877-526-6722).

PRODUCT STRUCTURE	DESCRIPTION	DIMENSIONS	
Finish Side Substrate	High Purity Aluminum Foil	0.0007 inch	18 micron
Adhesive	Flame Retardant	High Performance	
Machine Direction Reinforcing	Fiberglass	4/inch	6 mm spacing
Cross Direction Reinforcing	Fiberglass	4/inch	6 mm spacing
Back Side Substrate	Natural Kraft	30 lb/3000 sq. ft	49 g/sq.m

PHYSICAL PROPERTY	TEST METHOD	VALUE	
Permeance	ASTM E 96, Procedure A	0.02 perm	1.15 ng/sq.m·s·Pa
Puncture Resistance	TAPPI T803	25 Beach units	0.75 Joules
Machine Direction Tensile Strength	ASTM D 828 (per C 1136)	60 lb/inch	10.5 kN/m
Cross Direction Tensile Strength	ASTM D 828 (per C 1136)	40 lb/inch	7.0 kN/m
Burst Strength	ASTM D 774	60 psi	400 kPa
Mold and Mildew Resistance	ASTM C 1338	no growth of organisms	
Humidity Resistance	ASTM C 1258	no corrosion or delamination	
Dimensional Stability	ASTM D 1204 @ 150°F (65°C)	does not exceed 0.5% change	
Low Temperature Resistance	ASTM C 1263 (per C 1136)	-41°F	-41°C
High Temperature Resistance	ASTM C 1263 (per C 1136)	+240°F	+115°C
Emissivity	ASTM C 1371	0.03	
Thickness, Nominal	Micrometer at Thickest Points	9.0 mils	225 microns
Weight Per Area	Scale/Balance	30 lb./1000 ft. <sup>2</sup>	147 g/m <sup>2</sup>

SURFACE BURNING CHARACTERISTICS	TEST METHOD	VALUE	
Flame Spread*	UL 723/ASTM E84	5 foil side	25 paper side
Smoke Developed*	UL 723/ASTM E84	0 foil side	10 paper side

This product meets or exceeds the requirements of ASTM C1136, type II and IV

Properties and parameters are Typical, subject to change without notice, and not intended as product specifications. Weights and thicknesses are nominal, with ± 10% tolerance. \*Indicates Underwriter's Laboratories classified product U.L. File No. R4461.