

Where innovative ideas take hold.

PRODUCT DESCRIPTION:

FB 400 ASJ (All Service Jacket) is an aluminum foil/scrim/bleached paper product used primarily for pipe and equipment (mechanical) insulation applications as a vapor retarder or facing. It is typically used with the white paper side exposed.

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 Opacity White Paper	45 lb/3000 sq. ft	75 g/sq.m
Adhesive	Flame Retardant	High Performance	
Machine Direction Reinforcing	Fiberglass	5/inch	5 mm spacing
Cross Direction Reinforcing	Fiberglass	5/inch	5 mm spacing
Back Side Substrate	High Purity Aluminum Foil	0.00035 inch	9 micron

PHYSICAL PROPERTY	TEST METHOD	VALUE	
Permeance	ASTM E 96, Procedure A	0.02 perm	1.15 ng/sq.m_s_Pa
Puncture Resistance	TAPPI T 803	60 Beach units	1.8 Joules
Machine Direction Tensile Strength	ASTM D 828 (per C 1136)	50 lb/inch	8.8 kN/m
Cross Direction Tensile Strength	ASTM D 828 (per C 1136)	40 lb/inch	7.0 kN/m
Burst Strength	ASTM D 774	55 psi	375 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 (6°5C)	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. ²	147 g/m ²

SURFACE BURNING CHARACTERISTICS	TEST METHOD	VALUE	
Flame Spread*	UL 723/ASTM E 84	15 foil side	0 paper side
Smoke Developed*	UL 723/ASTM E 84	20 foil side	0 paper side

This product meets or exceeds the requirements of ASTM C1136, Type I, II, III, and IV

Properties and parameters are preliminary, subject to change without notice, and not intended as product specifications. Weights and thicknesses are nominal, with ± 10% tolerance. *Indicates Underwriter's Laboratories classified products. File #R4461.