

Where innovative ideas take hold.

PRODUCT DESCRIPTION

FB 30 is an FSK (Foil-Scrim-Kraft) product most commonly used as a facing for duct wrap insulation, but has many other insulation applications where a general use vapor retarder is needed. 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	Aluminum Foil	0.0003 inch	7.6 micron
Adhesive	Flame Retardant	High Performance	
Machine Direction Reinforcing	Fiberglass	2 /inch	12 mm spacing
Cross Direction Reinforcing	Fiberglass	3 /inch	8 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 T 803	25 Beach units	0.75 Joules
Machine Direction Tensile Strength	ASTM D 828 (per C 1136)	40 lb/inch	7.0 kN/m
Cross Direction Tensile Strength	ASTM D 828 (per C 1136)	30 lb/inch	5.3 kN/m
Burst Strength	ASTM D 774	40 psi	275 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	6.5 mils	165 microns
Weight Per Area	Scale/Balance	20 lb/1000 ft. ²	98 g/m ²

SURFACE BURNING CHARACTERISTICS	TEST METHOD	VALUE	
Flame Spread*	UL 723/ASTM E 84	10 foil side	30 paper side
Smoke Developed*	UL 723/ASTM E 84	0 foil side	5 paper side
Metal Building Composite **	UL 723/ASTM E 84	max. 25 flame spread/50 smoke developed	

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 products. **With classified adhesive and application rate. U.L. File No. R4461.