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MB 2003
Product Information

PRODUCT DESCRIPTION:

MB 2003 is a PSK (metalized polymer film/Scrim/Kraft) vapor retarder or facing, primarily used for metal, or pre-engineered buildings. It is a cost effective metal building facing that has excellent installed appearance, while providing somewhat more strength than MB 2001. The white film side is installed toward the interior of the building.

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	Metalized White Polymeric Film	0.0015 in	38 micron
Adhesive	Flame Retardant	High Performance	
Machine Direction Reinforcing, Primary	Fiberglass	4/in	6mm spacing
Machine Direction Reinforcing, Secondary	Polyester	1/in	25mm spacing
Cross Direction Reinforcing	Fiberglass	5/in	5mm 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 perms	1.15 ng/sq.m·s·Pa
Puncture Resistance	TAPPI T803	120 Beach units	3.6 Joules
Machine Direction Tensile Strength	ASTM D 828 (per C 1136)	60 lb./in	10.5 kN/m
Cross Direction Tensile Strength	ASTM D 828 (per C 1136)	50 lb./in	8.8 kN/m
Burst Strength	ASTM D 774	75 psi	500 kPa
Mold and Mildew Resistance	ASTM C 1338	no growth of organisms	
Humidity Resistance	ASTM C 1248	no corrosion or delamination	
Dimensional Stability	ASTM D1204 @ 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	85 per cent	
Thickness, Nominal	Micrometer at Thickest Points	10 mils	250 microns
Weight Per Area	Scale/Balance	25 lb./1000ft. ²	122 g/m ²

SURFACE BURNING CHARACTERISTIC	TEST METHOD	VALUE	
Flame Spread*	UL 723/ASTM E84	5 film side	10 paper side
Smoke Developed*	UL 723/ASTM E84	5 film side	5 paper side
Metal Building Composite**	UL 723/ASTM E84	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 product. U.L. File No. R4461. **With classified adhesive and application rate. U.L. File No. R4461.

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