



Johns Manville

Pipe Jacket

ASJ-4535

Product Data Sheet

General Description

ASJ-4535 is a flame retardant vapor barrier facing consisting of .0003" (9 micron) aluminum foil, fiberglass reinforcing yarn and bleached kraft paper laminated together with a flame retardant adhesive. This product is typically used as a facing for rigid fiberglass pipe insulation.

Construction

	English	Metric
Aluminum Foil0003 inches \pm 10%	9 microns
Fiberglass Reinforcing Yarn	MD: 5/ inch XD: 5/ inch	MD: 20 / 100mm XD: 20 / 100mm
Adhesive	Flame Retardant	Flame Retardant
Bleached Kraft Paper	45 lbs / 3000 ft ² \pm 10%	73 gm / m ²

Typical Physical Properties

Properties	Test Method	Value	
		English	Metric
Basis Weight	Scale	32 lbs / MSF	156 gm / m ²
Permeance (MVTR)	ASTM E-96, Procedure A	.02 max	.013 max
Puncture Resistance	ASTM D-781	50 scale units	58 scale units
Tensile Strength ASTM D-828		MD: 45 #/in XD: 30 #/in	MD: 7.9 kn/cm XD: 5.3 kn/cm
Mullen Burst	ASTM D-774	50 psi	3.5 kg/cm ²
Mold & Mildew Resistance	ASTM D-2020	None	None
Corrosion	120F (49C) @ 95%RH (30 days)	None	None
Delamination	120F (49C) @ 95%RH (30 days)	None	None
High Temp. Resistance	24 hours @ 150F (66C)	Pass	Pass
Adhesion	1 hour water @ 70F (21C)	Pass	Pass
Flammability	ASTM E-84	Flame Spread <25 Smoke <50	Same Same

****This Product is Decabrome Free**

U. L. Surface Burning Characteristics

	<u>Foil Exposed</u>	<u>Kraft Exposed</u>
Flame Spread	0	20
Smoke	0	15

This product meets ASTM C1136-90 requirements for insulation facings.

The physical (or chemical) properties of Johns Manville products represent typical average values obtained in accordance with acceptable test methods and are subject to normal manufacturing variations. Values are supplied as a technical service and are subject to change without notice. Rev. 2-1/18/07

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