



**Johns Manville**

**Foil / Scrim / Kraft Facings**

**50TL**

**Product Data Sheet**

General Description

50TL is a flame retardant vapor barrier facing consisting of .0005" (11 micron) aluminum foil, fiberglass reinforcing yarn and natural kraft paper laminated together with a flame retardant adhesive. This product is typically used as a facing for duct wrap and duct board.

Construction

	English	Metric
Aluminum Foil .....	.0005 inches $\pm$ 10%	13microns
Fiberglass Reinforcing Yarn .....	MD: 4/ inch XD: 4/ inch	MD: 16 / 100mm XD: 16 / 100mm
Adhesive .....	Flame Retardant	Flame Retardant
Natural Kraft Paper .....	30 lbs / 3000 ft <sup>2</sup> $\pm$ 10%	49 gm / m <sup>2</sup>

Typical Physical Properties

Properties	Test Method	English	Metric
Basis Weight (min.)	Scale	28.1 lbs / MSF	137.1 gm / m <sup>2</sup>
Permeance (MVTR)	ASTM E-96, Procedure A	0 .02 max	.013 max
Tensile Strength ASTM D-828		MD: 45 #/in XD: 30 #/in	MD:7.9 kn/m XD:5.3 kn/m
Mullen Burst	ASTM D-774	55 psi	3.8 kg/cm <sup>2</sup>
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

U. L. Surface Burning Characteristics

	<u>Foil Exposed</u>	<u>Kraft Exposed</u>
<b>Flame Spread</b>	<b>10</b>	<b>35</b>
<b>Smoke</b>	<b>5</b>	<b>20</b>

**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. 2-3/5/07

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