



Johns Manville

35RC

Product Data Sheet

General Description

35RC is a flame retardant vapor barrier facing consisting of .0003" (9 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 fiberglass duct wrap.

Construction

	English	Metric
Aluminum Foil0003 inches \pm 10%	9 microns
Fiberglass Reinforcing Yarn	MD: 2/ inch XD: 3/ inch	MD: 8 / 100mm XD: 12 / 100mm
Adhesive	Flame Retardant	Flame Retardant
Natural Kraft Paper	30 lbs / 3000 ft ² \pm 10%	49 gm / m ²

Typical Physical Properties

Properties	Test Method	Value	
		English	Metric
Basis Weight	Scale	20lbs / MSF	98 gm / m ²
Permeance (MVTR)	ASTM E-96, Procedure A	.02 max	.013 max
Puncture Resistance	ASTM D-781	25 scale units	29 scale units
Tensile Strength ASTM D-828		MD: 30 lbs / in avg XD: 20 lbs / in avg	MD: 5.3 kn / m XD: 3.5 kn / m
Mullen Burst	ASTM D-774	35 PSI	2.5 kg / cm ²
Mold & Mildew Resistance	ASTM D2020	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 a "Recognized Component" for inclusion in a U.L. compliant finished product. Fire test results are for finished product incorporating Hamilton's 35RC FSK facing, fiber glass insulation, and appropriate flame retardant adhesive. The results obtained by any particular end user will depend on the other components which are used in combination with the facing.

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.
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