



Johns Manville

GL-VR

Product Data Sheet

General Description

GL-VR is a flame retardant vapor barrier facing consisting of 0.00125" polypropylene film, fiberglass reinforcing yarn and natural kraft paper laminated together with a flame retardant adhesive. This product is typically used as a facing for metal building insulation.

Construction

	English	Metric
Polypropylene Film	0.00125 "	32 microns
Fiberglass Reinforcing Yarn	MD: 4/ inch XD: 3/ inch	MD: 16 / 100mm XD: 12 / 100mm
Adhesive	Flame Retardant	Flame Retardant
Natural Kraft Paper	15 lbs / 3000 ft ²	24 gm / m ²

Typical Physical Properties

Properties	Test Method	Value	
		English	Metric
Basis Weight	Scale	19 lbs / MSF	92 gm / m ²
Permeance (MVTR)	ASTM E-96, Procedure A	.09 max	.06 max
Puncture Resistance	ASTM D-781	50 scale units	58 scale units
Tensile Strength ASTM D-828		MD: 30 lbs/in. XD: 20 lbs/in.	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 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 Characteristic

	Film Exposed	Kraft Exposed
Flame Spread	5	0
Smoke	30	10

British Standard 476 Part 6 & 7

Flame Spread Class	Fire Propagation I	Fire Propagation II
2	3.7	1.7

Australian Wool Test Authority Flammability Index - 2

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. 1-1/18/07

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