



Commercial Facings

VR-ONE

Product Data Sheet

General Description

VR-One is a superior vapor barrier facing consisting of a white polypropylene film, fiberglass reinforcing yarn and a metalized polyester film laminated together with a high performance flame retardant adhesive. This product is specially designed to be used as a facing for metal building insulation.

Construction

	<u>English</u>	<u>Metric</u>
White Polypropylene and Metalized Polyester Films (Total Thickness)	0.007 "	178 microns
Fiberglass Reinforcing Yarn	MD: 2/ inch XD: 2/ inch	MD: 8 / 100mm XD: 8 / 100mm
Adhesive	Flame Retardant	Flame Retardant

Typical Physical Properties

<u>Properties</u>	<u>Test Method</u>	<u>Value</u>	
		<u>English</u>	<u>Metric</u>
Basis Weight	Scale	11.2lbs / MSF	54.4 gm / m ²
Permeance (MVTR)	ASTM E-96-94	0.02 perms	1.15 ng/N's
Puncture Resistance	ASTM D-781	150 scale units	4.44 Jouless
Tensile Strength ASTM D-503-95	MD: 30 lbs/in.	MD: 5.25 kn / m XD: 30 lbs/in.	XD: 5.25 kn / m
Mullen Burst	ASTM D-774	85 PSI	5.95 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	fed Spec HHB-100B	-40 F to 220F	-40 C to 104C
Adhesion	24 hour water @ 73F (23C)	Pass	Pass
Flammability	UL 723 (CAN ULC-S201m)	Flame Spread <25 Smoke <50	Same Same

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.0-11/20/99

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