



Control moisture, air, vapour and heat with a sustainable spray foam product.

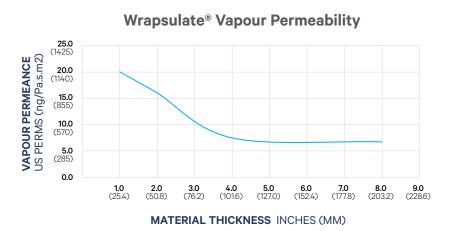
Vapour-permeable Wrapsulate®

Open Cell Spray Foam (11b) Exterior Application R-4.3 per inch

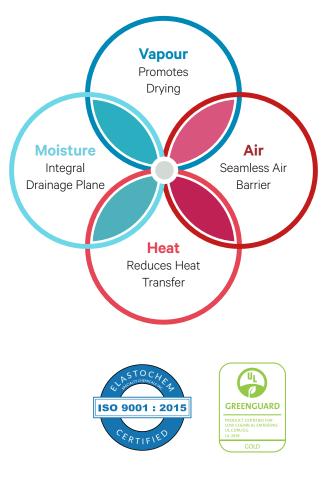
100% Water Blown

Wrapsulate[®] Foam Jacket is a first-of-its-kind open cell spray foam insulation that can be used in exterior applications. The revolutionary vapour permeable system performs as an effective air and moisture barrier, resulting in a high functioning, structurally sound building enclosure.

Continuously seals and fills every gap and crevice
Eliminates layers by offering Air & Water Control
Saves time by eliminating the need to install an air barrier
100% Water blown, eliminating high global warming agents
High shipping efficiency by drastically reducing materials required, compared to board stock insulation



1 Product, 4 Controls



Wrapsulate® Foam Jacket

Technical Data



Attribute	Test	Results	Attribute	Test	Results
Density	ASTM D1622	1.07 lb/ft ³ 17.2 Kg/m ³	Dimensional Stability (Volume Change after 28 days)	ASTM D2126	-20°C, .008% 80°C, -9% 70°C @ 97% RH, -2.3%
Aged Thermal Resistance (90 Day)	ASTM C518 25mm	R 4.3 RSI .75	Fungi Resistance	ASTM C1338	No Growth
Thermal Resistance After Ice Lens	NRC TG 072510.09	100% Retention	Open Cell Content	ASTM D6226	99%
Water Vapour Permeation	ASTM E96 25 mm	1175 ng/ (Pa·s·m²)	Compression Strength	ASTM 1621 NRC Performance	60 kPa
Water Vapour Permeation	ASTM E96 50 mm	949 ng/ (Pa·s·m²)	Flexural Strength	ASTM C203 NRC Performance	16.07 kPa
Initial Tensile Strength	ASTM 1623	13.6 psi, pass 94 kPa, pass	Sorption Isotherm (4 day Immersion)	ASTM C1498 NRC Performance	.02 Kg Kg ⁻¹
Tensile Strength After Ice Lens	ASTM 1623	103% Retention	Water Absorption Coefficient (% by Volume)	ISO 15148 NRC Performance	.00015 Kg m ⁻² s ^{-1/2}
Water Absorption (% by Volume)	ASTM D2842	1.6%	Full Scale Wall Test Temperature Limits	NRC TG 072510.09	5°C to 40°C
UV and Heat Aged Water Absorption (% by Volume)	QUV as per NRC TG 072510.09	2.3%	Adhesion to Substrates	NRC TG 072510.09	Various See T
Water Penetration Resistance	ASTM E331 as per NRC TG 072510.09	700 Pa	Density Variation	ASTM D1622 NRC Performance	1%
Flame Spread	ULC S-102 Steiner Tunnel	Flame <500 Smoke <500	All Tests Performed On Samples With and Without Skin	NRC Performance Assessment	PASS
VOC Emissions	CAN/ULC S774-09	Passed	CCMC #		14049-R



All properties determined through testing by an accredited independent third party test facility.



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