



**HYBRIDPRO<sup>1.0</sup>**  
Hybrid Cell Spray Foam Insulation



*Profoam Proudly Introduces **HYBRID Pro 1.0**, The First Vapor Permeable Exterior Polyurethane Foam Used As A Thermally Insulated Sheathing Membrane.*

5 Reasons to Use **HYBRIDPRO<sup>1.0</sup>**  
Hybrid Cell Spray Foam Insulation

**Water Control**

- Rain Control Layer

**Excellent Thermal insulation**

- Provides R value of 4.3 per/in

**Vapour Permeable**

- Allows vapour diffusion so wall can dry

**Seamless Air Barrier**

- Provides a seamless monolithic air barrier at nominal 1.5"

**Fast Installation**

- Applies like a 2lb spray with no pass limitations

Profoam's HYBRIDPro 1.0 Is A Revolutionary Foam Designed For Exterior Use!

- *The FIRST vapor permeable spray foam for exterior use (also CCMC Approved 2016-10-27)*
- *1 pcf, open-cell, rigid spray foam insulation*
- *100% water blown – no Hydrofluorocarbons; Lowest ODP and GWP*
- *No limit on application thickness*
- *2x the coverage of conventional 2 pcf spray foams*
- *R value of 4.3/inch*
- *Fully trained and ISO certified installers*

*1 Product 4 Control Layers*



# Technical Information

Attribute	Test	Results
Density	ASTM D1622	1.07 lb/ft <sup>3</sup> 17.2 Kg/m <sup>3</sup>
Aged Thermal Resistance (90 Day)	ASTM C518 25mm	R 4.3 RSI .75
Thermal Resistance After Ice Lens	NRC TG 072510.09	100% Retention
Water Vapour Permeation	ASTM E96 25 mm	1175 ng/ (Pa·s·m <sup>2</sup> )
Water Vapour Permeation	ASTM E96 50 mm	949 ng/ (Pa·s·m <sup>2</sup> )
Initial Tensile Strength	ASTM 1623	13.6 psi, pass 94 kPa, pass
Tensile Strength After Ice Lens	ASTM 1623	103% Retention
Water Absorption (% by Volume)	ASTM D2842	1.6%
UV and Heat Aged Water Absorption (% by Volume)	QUV as per NRC TG 072510.09	2.3%
Water Penetration Resistance	ASTM E331 as per NRC TG 072510.09	700 Pa
Flame Spread	ULC S-102 Steiner Tunnel	Flame <500 Smoke <500
VOC Emissions	CAN/ULC S774-09	Passed

Attribute	Test	Results
Dimensional Stability (Volume Change after 28 days)	ASTM D2126	-20°C, .008% 80°C, -9% 70°C @ 97% RH, -2.3%
Fungi Resistance	ASTM C1338	No Growth
Open Cell Content	ASTM D6226	99%
Compression Strength	ASTM 1621 NRC Performance	60 kPa
Flexural Strength	ASTM C203 NRC Performance	16.07 kPa
Sorption Isotherm (4 day Immersion)	ASTM C1498 NRC Performance	.02 Kg Kg <sup>-1</sup>
Water Absorption Coefficient (% by Volume)	ISO 15148 NRC Performance	.00015 Kg m <sup>-2</sup> s <sup>-1/2</sup>
Full Scale Wall Test Temperature Limits	NRC TG 072510.09	5°C to 40°C
Adhesion to Substrates	NRC TG 072510.09	Various See TG
Density Variation	ASTM D1622 NRC Performance	1%
All Tests Performed On Samples With and Without Skin	NRC Performance Assessment	PASS
CCMC #		14049-R

All testing performed and approved by National Resource Council Canada (NRC).

 706-557-1400

 145 Newborn Road  
Rutledge, GA 30663



[WWW.PROFOAM.COM](http://WWW.PROFOAM.COM)