PROFOLD® PREMIUM

Breathable WRB
Fan-Folded
Underlayment



Profold® Premium GPS Rigid Insulation with StayDry® Technology allows walls to breathe.

Approved Breathable Water-Resistive Barrier

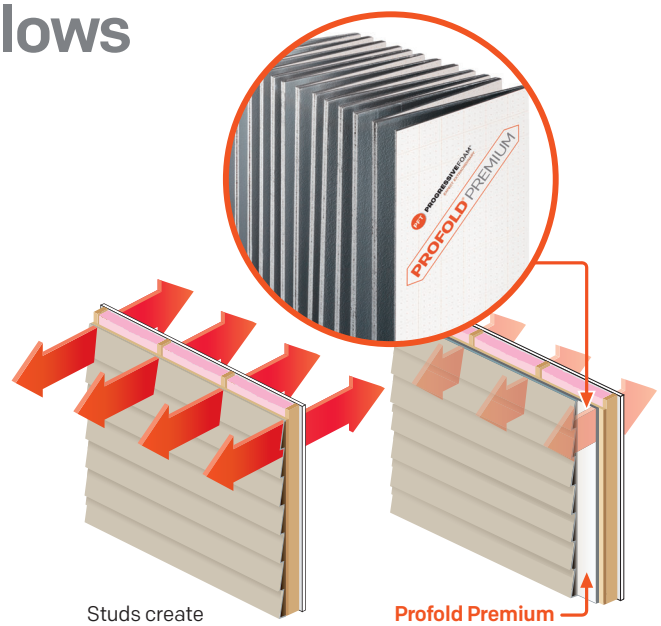
When installed accordingly, Profold Premium is an approved, Breathable Insulated Water-Resistive Barrier, eliminating the need for housewrap.

Continuous Insulation with Dual-Use Applications

Profold Premium meets code requirements for Continuous Insulation. It's perfect for exterior wall applications in both residential and light commercial projects.

Long-Term Thermal Performance

Profold Premium features High-Performance Graphite Polystyrene (GPS), providing long-term thermal performance.



Studs create thermal bridging where heat can be lost or gained.

Profold Premium reduces thermal bridging creating a more comfortable, energy-efficient home.

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5 Great Reasons to use Profold Premium.

1 Approved Breathable Water-Resistive Barrier

Moisture is a home's structural enemy. Profold Premium is a Breathable Water-Resistive Barrier with a patented vapor permeable design that allows walls to breathe.

- **Made with StayDry® Technology,** a proprietary manufacturing process that makes the insulation 3x more breathable than comparable products.
- **With a perm rating of up to 4.6,** Profold Premium helps protect the home from moisture damage allowing water vapor generated inside the home to escape.

2 Lightweight and Durable

Profold Premium is ideal for demanding job sites. Film facers adhered to both sides provide strength, flexibility, and durability.

3 Long-Term Thermal Performance

High-Performance Graphite Polystyrene (GPS) holds its R-Value. After extreme environmental testing, Profold Premium held its R-value in conditions that involved both constant thermal gradient and cycling between large temperature and humidity variations.

4 Fire Performance

Flame retardant (UL 723)

5 Termite Resistance

GPS is protected from insect degradation and is safe for humans and pets.

Note: Product sold in Canada does not contain insect inhibitor.

Specifications and Performance

	PROFOLD® PREMIUM		
Standard Thickness	3/8″	1/2″	3/4″
R-Value @ 75° F, (Btu • in. / ft.² hr • F°) *ASTM C518*	R-2.0	R-2.6	R-3.7
Classification of Insulation Component	Type I		
Compressive Strength PSI (kPA) *ASTM D1621*	10		
Flexural Strength PSI (kPA) *ASTM C203*	25		
Density lb/ft3 (kg/m3) [minimum] *ASTM D1622*	.90		
Water Vapor Permeance *ASTM E96* of 1.00 in thickness, Min, perm (ng/Pa•s•m²)	Greater than 1		
Vapor Retarder Classification *ASTM E96*	Class III		
Water Penetration of Exterior *ASTM E331 by Uniform Static Air Pressure Difference [WRB]*	Pass	Pass	Pass
Flame Spread *UL723*	5		
Smoke Development *UL723*	25		
Standard Panel Size:	4′ x 50′		



Learn more about Profold Premium

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