

# PROBOARD<sup>®</sup> ULTRA<sup>™</sup>

PREMIUM GPS



Ultra Durable and  
Breathable Rigid  
Insulation



**PROGRESSIVEFOAM<sup>®</sup>**

EXPECT EXTRAORDINARY

# Proboard® Ultra™ with StayDry® Technology. Our most breathable and durable film-faced solution.

**Proboard Ultra** delivers high, long-term R-value combined with higher vapor permeance and strength compared to other options.

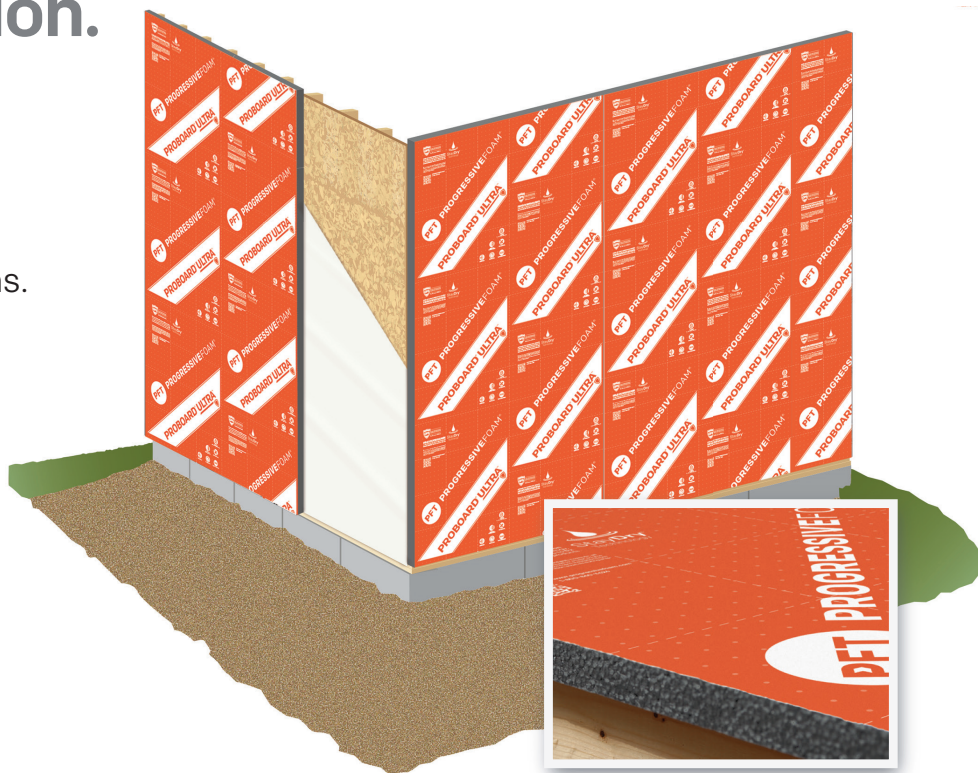


## Ultra exterior wall performance

Proboard Ultra meets code requirements for Continuous Insulation. It is specially engineered for above-grade exterior wall assemblies. Proboard Ultra can be installed in new construction and remodeling for both residential and light commercial projects.



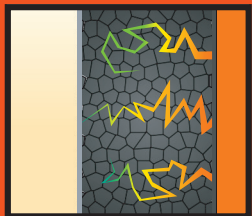
**Exterior Wall**  
under any cladding



## Tap the Power of High-Performance Graphite Polystyrene

**Proboard Ultra is formulated with Graphite Polystyrene (GPS) delivering incredibly powerful benefits.**

- R-5 Performance: GPS fuses the insulating power of air with millions of graphite particles. This unique cellular structure reflects radiant heat energy hundreds of times as it moves through the insulation to slow heat transfer and increase R-value
- R-Hold™ Technology, does not lose R-value over time like other foam



- Zero thermal drift – performs consistently in varying temperature conditions.
- Ultra-low moisture absorption – does not retain moisture like other foam
- High drying capacity – results in maintained R-value.
- Does not off-gas or breakdown over time
- Manufactured with a flame retardant
- Protected from insect degradation with safe insect inhibitor
- GPS is 100% recyclable and ozone-layer friendly – no CFC's or HCFC's are used



# Choose Proboard® Ultra™ for Ultra vapor permeance, strength and durability.

Depend on Proboard Ultra with StayDry® Technology for your next wall assembly.

## Ultra Moisture Management

Moisture is forever the enemy in construction causing damage to materials or even leading to hazardous living conditions for the occupants.

Some insulating sheathings and fanfold products made of XPS insulation or EPS insulation with facers have perm ratings of 1.0 or less, making them Class II vapor retarders. Proboard Ultra provides Class III semi-permeable performance with our patented StayDry® Technology, making it about **3x more breathable** than comparable products.

- GPS provides ultra-low moisture absorption even in wet conditions
- Fast-drying characteristics in wet conditions, does not absorb moisture like other foam products



## Ultra Durability

Proboard Ultra is light weight yet durable—perfect for today's demanding job sites.

- **Strong** GPS core strengthened with heavy-duty facers on both sides
- **Flexible** for easy installation
- Helps protect wall assembly
- **3x the strength** of standard EPS!



### The ASTM C203 Flexural Strength Test

PROBOARD ULTRA	83 PSI
Standard EPS with facer	44 PSI
Standard EPS	28 PSI

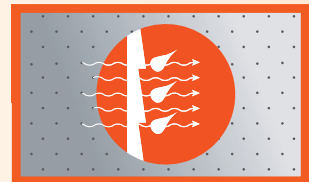
All results represented in averages

## Fire Performance

Like all Progressive Foam products, Proboard Ultra is formulated with specially modified material that is manufactured with a flame retardant (ASTM E84/UL 723).



The average family of four generates 4-6 gallons of water vapor daily. So, while adding insulation to a home tightens it to reduce energy loss, it can also create potential moisture problems if water vapor is trapped in the wall.



StayDry Technology lets water vapor escape the home, without letting moisture in.

## Ultra Thermal Performance

Proboard Ultra provides a powerful R-5 per nominal inch\* to minimize energy loss from "thermal bridging"

- Reflective back facer adds rigidity and boosts thermal performance (with appropriate air space)
- R-Hold™ Technology ensures R-value performance remains permanent
- Does not deteriorate or lose thermal performance over time like other insulation
- Does not "off-gas" like other foams that rely on gases to deliver thermal benefits—meaning the gases used in manufacturing other insulation products slowly disperse from the foam causing loss of R-value and performance degradation



\*Thermal performance claim based on a thickness of 1-1/16"

## Termite Resistance

GPS is protected from insect degradation with a specially formulated insect inhibitor that is safe for humans and pets. Note: Product sold in Canada does not contain insect inhibitor.



## Specifications and Performance

**R-Value** @ 75° F, nominal 1.06" thickness ASTM C518

### Type

**Compressive Strength** PSI (kPA) ASTM D1621

**Flexural Strength** PSI (kPA) ASTM C203

**Density** lb/ft<sup>3</sup> (kg/m<sup>3</sup>) [minimum] ASTM D1622

### Film Thickness

**Water Absorption** ASTM C272

**Water Vapor Permeance** ASTM E96  
Perm (ng/Pa•s•m<sup>2</sup>)

**Vapor Retarder Classification** ASTM E96

**Flame Spread** ASTM E84, UL 723

**Smoke Development** ASTM E84, UL 723

**Standard Thickness:**

**Standard Panel Sizes:**

## PROBOARD® ULTRA™

PREMIUM GPS

R-5 R-5

**Type I** **Type II**

10 15

Up to 83

0.90 1.35

2.5 mi

4.0 3.0

Varies 1.0 – 5.0

**Class III** **Class III**

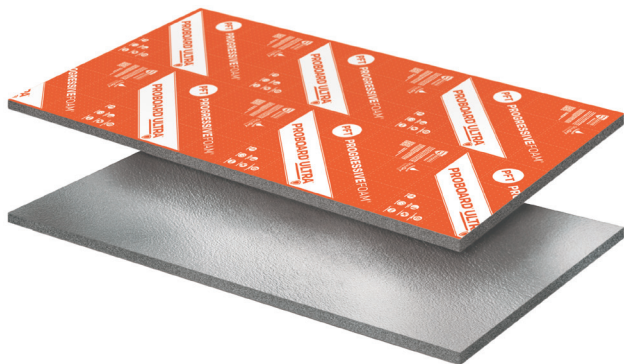
20 20

400 400

0.59", .75", 1.02", 1.55", 2.09"

4' x 8', 2' x 8'

Scan for more information



## About Progressive Foam Technologies

As the inventors of insulated vinyl siding and as a leading polystyrene insulation manufacturer for over 30 years, Progressive Foam Technologies has built its business by exclusively partnering with the building industry value chain. PFT works closely with siding manufacturers, building products distributors, home improvement pros, builders, and contractors of all types to bring powerful, reliable insulation solutions to North America.

### For More Information:

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