

PROBOARD[®] CORE[™]

PREMIUM GPS

Powerful
Rigid Insulation
Solution



Proboard[®] Core[™], higher performance and better overall value than the competition.

Proboard Core is the premium, professional-grade continuous insulation delivering higher, long-term R-value performance and a better overall value compared to other materials.

Multi-use applications

Proboard Core can be used in both residential and light commercial exterior applications. Made of Graphite Polystyrene (GPS), Proboard Core delivers maximum efficiency, cost-effectiveness and sustainability.



Exterior Wall



Basement Subfloor



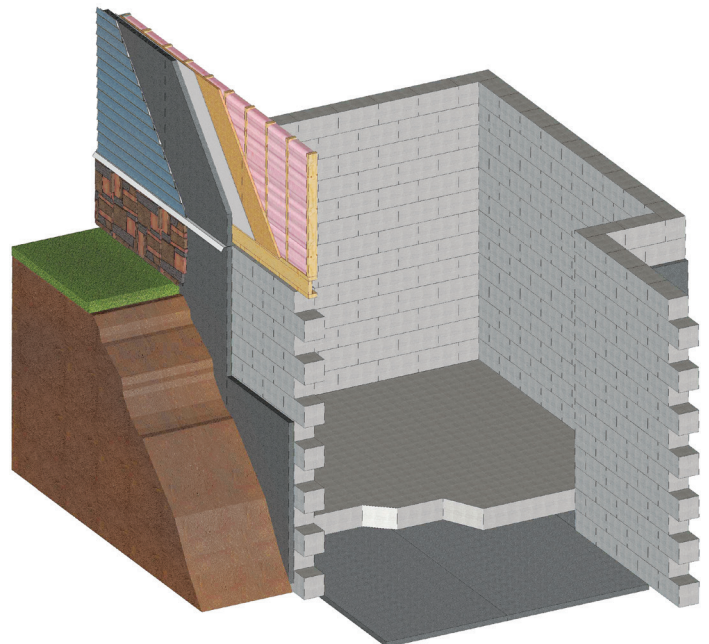
Perimeter Foundation



Under Slab



Interior Foundation



PROGRESSIVEFOAM[®]

EXPECT EXTRAORDINARY

5 Great Reasons to use Proboard Core.

1 Proven Energy Efficiency

More architects, contractors and builders are constructing homes with greater energy efficiency—while always having an eye on long-term performance.

- **R-5 performance** per nominal inch based on a thickness of 1-1/16"
- **R-Hold™ Technology** ensures R-value performance remains permanent
- **Zero off-gassing** results in lasting performance

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



2 Moisture Management

Proboard Core provides exceptional breathability and vapor semi-permeability.



- **Reduces the risk of mold, rot, and structural damage** tied to condensation and long-term water retention
- **Low moisture retention** of less than 1% and vapor semi-permeable performance provides invaluable peace-of-mind

3 Stability and Durability

Proboard Core is adaptable in size, thickness and density, providing maximum flexibility and durability.



- Resistant to aging and decay
- Holds its physical properties after extreme environmental cycle tests
- High resistance to normal soil moisture
- Available in compressive strength from 10 to 25 psi

4 Fire Performance

Flame retardant (ASTM E84/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*

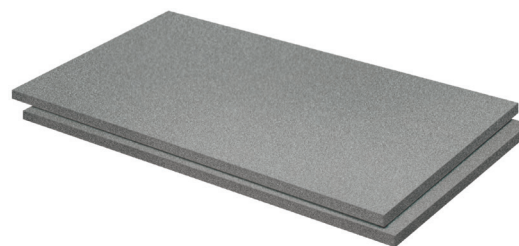


Specifications and Performance

PROBOARD CORE™ PREMIUM GPS

R-Value @ 75° F, nominal 1.06" thickness <i>ASTM C518</i>	R-5	R-5	R-5
Classification of Insulation Component	Type I	Type II	Type IX
Compressive Strength PSI (kPa) <i>ASTM D1621</i>	10	15	25
Density lb/ft ³ (kg/m ³) [minimum] <i>ASTM D1622</i>	0.90	1.35	1.80
Environmental Cycling of Thermal Performance & Exposure to Moisture: <i>ASTM C1512</i>			
Moisture Content After Cycling [%]	0.03	0.04	0.04
R-Value Retention [%]	99.7	100	100
Flexural Strength PSI (kPa) <i>ASTM C203</i>	25	35	50
Water Vapor Permeance <i>ASTM E96</i> of 1.00 in thickness, Min, perm (ng/Pa•s•m ²)	Up to 5.0	Up to 3.5	Up to 2.5
Vapor Retarder Classification <i>ASTM E96</i>	Class III	Class III	Class III
Flame Spread <i>ASTM E84</i>	5	5	5
Smoke Development <i>ASTM E84</i>	25	25	25

Standard Thickness:	1.06," 1.6," 2.13," 3.19," 4.25"
Standard Panel Sizes:	4' x 8'



Learn more about Proboard Core

