



# PolarGuard® GPS

PolarGuard GPS is manufactured using enhanced thermal performance polystyrene, laminated to high strength plastic film. The combination results in a lightweight, durable, high R-value insulation that improves comfort and lowers energy costs. PolarGuard is continuous insulation that can be used to meet increasingly stringent energy codes, and stand up to rough job site handling.



Commercial Application


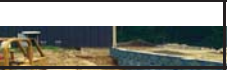
Residential Foundation



A layer of PolarGuard Continuous Insulation will dramatically reduce heating demands in cold climates and increase year round comfort in all climates.

PolarGuard's tough laminate resists punctures and the punishment of backfilling to protect waterproofing membrane. Apply PolarGuard to the exterior of all foundation walls to meet code.

PolarGuard GPS Physical Properties

		
Classification Polystyrene	PolarGuard GPS Type VIII	PolarGuard GPS+ Type IX
Thermal Resistance 1" (ft <sup>2</sup> ·°F·hr/Btu)	4.7	4.7
Compressive Resistance 10% deformation Min.	13 psi	25 psi
Dimensional Stability Max %	2.0	2.0
Flexural Strength	30 psi	50 psi



PolarGuardGPS® is high performance CI made with graphite enhanced polystyrene, that increases comfort and reduces energy costs, year round.

\*Some applications may require the use of a thermal or ignition barrier. Be sure to check local building codes.



Versatility - PolarGuard® is appropriate for use as exterior foundation or slab insulation. It is also at home in less demanding applications like interior basement walls, above grade exterior envelope and in attics\*.

PolarGuard® is available in convenient sheet thicknesses that meet prescriptive energy code R-value requirements of even the most extreme climate zones. Single\* layer R-values available; R5, R10, R15 and R19. Also offered in other performance thicknesses.

\*e.g. R10 @ 2-3/8" using 25PSI




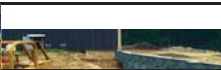
PolarGuard® is high performance



CI made using economical and versatile polystyrene, proven to increase comfort and reduce energy costs, year round.



PolarGuard® Physical Properties

		
Classification Polystyrene	PolarGuard Type I	PolarGuard Type IX
Thermal Resistance 1" (ft <sup>2</sup> ·°F·hr/Btu)	3.8	4.2
Compressive Resistance 10% deformation Min.	10 psi	25 psi
Dimensional Stability Max %	2.0	2.0
Flexural Strength	30 psi	50 psi

\*Some applications may require the use of a thermal or ignition barrier. Be sure to check local building codes.



PolarGuard® insulation products are sold exclusively through distributors serving professional contractors.

*Helping homeowners turn carbon footprints into thumbprints™*

#### Caution:

All foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. This product should not be exposed to open flame or other ignition sources. Install in compliance with applicable building codes.