

XPS INSULATION

VS

ENERGYSHIELD® XR

Below-Grade Insulation

Introducing EnergyShield XR— Continuous insulation engineered for below-grade applications.

The foundation for high performance building design.

FEATURES AND BENEFITS



DELIVER MORE WITH LESS

EnergyShield XR delivers more R-value in a thinner, more durable product. Achieve R-10 in only 1.55" of polyiso versus 2" of XPS.



RESPONSIBLY MANUFACTURED

Environmentally friendly blowing agent with decades of proven performance. Plus, reduced carbon footprint with 8 manufacturing locations shipping over 20% more units per truckload than XPS.



MATERIAL COMPATIBILITY

Polyiso provides greater flexibility on the job. It's compatible with waterproofing and adhesive components, providing long term performance.



ULTRAVIOLET LIGHT PROTECTION

Polyiso remains dimensionally stable with exposure to UV or under cover and won't deform from heat buildup unlike XPS.

PROPERTY	TEST METHOD	ENERGYSHIELD XR	OWENS CORNING FOAMULAR®	DUPONT STYROFOAM™
Designed for Below-Grade		Yes	Yes	Yes
Compressive Strength	ASTM D1621, Minimum	25 psi	25 psi	25 psi
Flexural Strength	ASTM C203, Minimum	50 psi	50 psi	50 psi
Water Absorption of Foam	ASTM C272, Maximum by Volume	0.3%	0.3%	0.1%
Dimensional Stability	ASTM D2126, Maximum Length and Width	<1%	<2%	<2%
R-Value per Inch	ASTM C518, Thermal Resistance	6.5	5	5
Service Temperature	Maximum	250°F	165°F	165°F
GREENGUARD® Gold	UL 2818	Certified	Certified	No
Solvent Compatibility		Yes	No	No
UV Stable		Yes	No	No
Recycled Content		Yes	Yes	Yes
Manufacturing Locations		8	4	4
R-10 Truckload Capacity		720 pcs	576 pcs	576 pcs

"R" means resistance to heat flow. The higher the R-value, the greater the insulating power. Product data is for reference only based on published information as of November 2022. Registered trademarks are property of their respective companies.