

Exceptional Performance Above and Below Grade

EnergyShield[®] XR continuous polyiso insulation is engineered to exceed all your expectations

Designing for high-performance doesn't just start at the ground level, it goes above and below the surface. EnergyShield XR from Atlas is the only polyiso continuous insulation board designed for above and below grade applications, giving you enhanced comfort, lower energy costs, and a strong sustainability profile. All this in a single product that's more versatile than XPS.

Features and Benefits



Deliver More with Less

Polyiso has a higher R-value per inch when compared to other insulation products. This means a thinner profile, and less truckloads per project.



Moisture Resistance

The closed-cell structure and non-absorbing facers resist water absorption, providing effective moisture management and thermal efficiency in all climates.



Ultraviolet Light Protection

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



Exceptional Under Pressure

Manufactured with 25 psi compressive strength and durable facers to resist hydrostatic pressures and improve impact protection.



Responsibly Manufactured

Manufactured with environmentally responsible processes, an established core formulation, and recycled content, polyiso provides a sustainable solution.



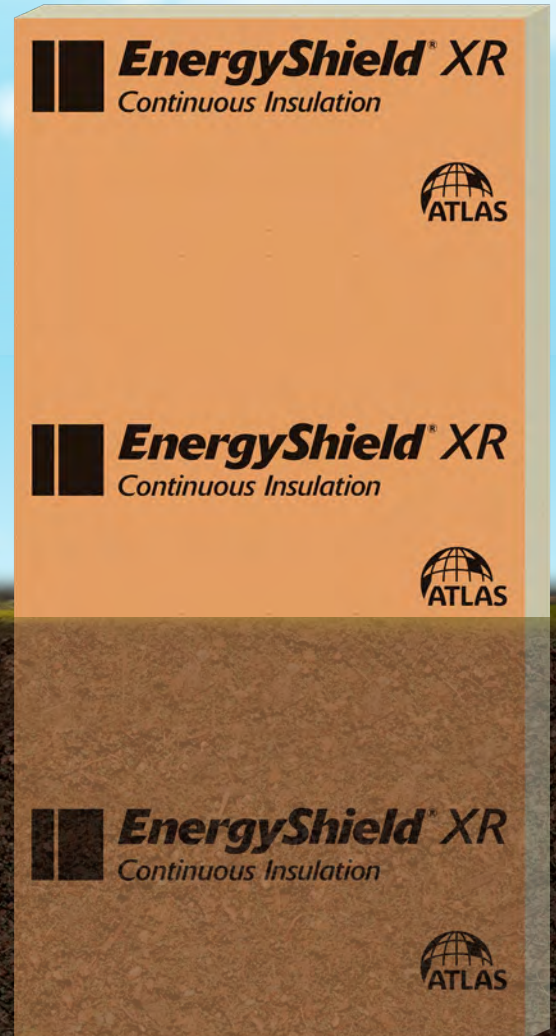
Makes Light Work Of Installation

EnergyShield XR is easy to cut and move around the jobsite and available prescored at 16" and 24" o.c. to help expedite installation even further.



Material Compatibility

Polyiso is compatible with the majority of solvent-based products, making component selection simpler.





Outperforming XPS Across the Board

XPS INSULATION VS ENERGYSHIELD® XR

Property	Test Method	ENERGYSHIELD XR	FORMULAR® NGX™ 250	STYROFOAM™ ST-100
Flame Spread	ASTM E84 / UL 723	<25	<25	<25
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%
Water Resistant Barrier Performance	AC71	Yes	Yes	Yes
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
UL GREENGUARD® Gold	UL 2818	Yes	Yes	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.