

**DESCRIPTION**

Atlas EnergyShield® XR is a high performance thermal insulation board comprised of a closed cell polyisocyanurate foam core with durable, impermeable facers on both sides.

**APPLICATIONS**

Provides continuous insulation for foundation walls and under slab construction.

- Below grade exterior foundation walls
- Under slab foundation
- Available scored at 16" and 24" o.c.

**PHYSICAL PROPERTIES**

PROPERTY	TEST METHOD	VALUES
COMPRESSIVE STRENGTH	ASTM D1621	25 psi
FLAME SPREAD	ASTM E84 / UL 723	≤75
SMOKE DEVELOPMENT	ASTM E84 / UL 723	≤450
WATER VAPOR TRANSMISSION, METHOD A	ASTM E96	≤ 0.1 Perms
WATER ABSORPTION, CORE	ASTM C272	< 0.3% by Volume
FLEXURAL STRENGTH	ASTM C203	>50 psi, min
DIMENSIONAL STABILITY, LENGTH & WIDTH	ASTM D2126	≤1% Linear Change
SERVICE TEMPERATURE	-	-100°F to +250°F
MOLD RESISTANCE	UL 2824	4, Highly Resistant

Technical and physical properties listed are representative of typical values based on testing and are intended as general guidelines only and subject to manufacturing tolerances. No warranties are given except for those specifically written by Atlas for its products.

**SUSTAINABILITY**

Atlas polyiso insulation is manufactured using environmentally responsible processes and formulations.

- Contains no CFCs, HCFCs or HFCs
- Zero Ozone Depletion Potential (ODP)
- Negligible Global Warming Potential (GWP)
- GREENGUARD Gold Certification
- Contributes to LEED credits

For more information visit [wall.atlasrwi.com/about-wall/sustainability](http://wall.atlasrwi.com/about-wall/sustainability)

**CODE COMPLIANCE**


- **ASTM C1289, Type I, Class 1 or 2**
- **ASTM C578** Physical Properties Table 1 - Complies with Type IV
- **ASHRAE 90.1**
- **ASHRAE 189.1**
- **International Energy Conservation Code (IECC), Section 402**
- **International Building Code (IBC), Section 2603**
- **International Residential Code (IRC), Section R316**
- **DrJ TER 2209-01** Termite Protection
- **ICC-ES ESR-1375**

**PRODUCT DATA**

NOMINAL THICKNESS	R-VALUE *	BOARD SIZE	EDGE DETAIL	RECYCLED CONTENT	PIECES PER PACKAGE	SQ. FT. PER PACKAGE
1.55"	10.0	4'x8'	Square	12.3%	30	960
2.00"	13.1	4'x8'	Square	12.8%	23	736

\*Thermal values were determined by ASTM C518 Test Method at 75°F mean temperature using materials conditioned in accordance with ASTM C1289.  
 \*R" means resistance to heat flow. The higher the R-value, the greater the insulating power.  
 EnergyShield XR is shipped on standard 48' truck with 24 packages per load. Truckload quantities may vary when mixed.

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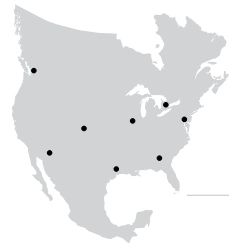


**PRECAUTIONS**

- Polyiso may contribute to flames and smoke spread when exposed to an ignition source of sufficient heat and intensity.
- Always follow local building code requirements.
- While EnergyShield XR is a water resistant product, products shall be kept dry while being stored horizontally. Reference product placard for storage and handling instructions.
- EnergyShield XR should be covered within 60 days after installation.

**WARRANTY**

EnergyShield XR is backed by a Limited 15-Year Thermal Warranty.  
 For complete terms and conditions, visit [wall.atlasrwi.com/warranty](http://wall.atlasrwi.com/warranty)



**Atlas Roofing Corporation**  
 2000 Riveredge Parkway, Suite 800 • Atlanta, GA • 30328  
 770-952-1442 • [wall.atlasrwi.com](http://wall.atlasrwi.com)

