



Insulthane® Extreme

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Insulthane® Extreme is a 2lb medium density, HFO, closed-cell spray polyurethane foam insulation system that delivers industry leading r-values and performance. The spray-applied formula effectively seals off air gaps, working as a powerful insulator and vapor barrier. It's ideal for new construction or renovating existing structures, such as attics, garages, basements and crawlspaces.

Ultra-low Global Warming Potential

Insulthane® Extreme is formulated with an HFO blowing agent, resulting in an ultra-low GWP of 1.

Thermal Resistance

Thickness (inch)	R-Value (°F·ft ² ·h/Btu)
1.0	7.4
2.0	14.4
3.5	25.2
4.0	28.8

Features



Big Savings

Reduce your energy expenses by up to 40%



Water Resistant

Helps reduce mold and mildew growth



Long-lasting

Does not deteriorate, sag or settle



Durable

Increases structural strength of walls

Physical Properties

Attribute	Test	Results
Density	ASTM D1622	2.2 lb/ft ³
Water Vapor Transmission	ASTM E96	0.83 perm @1"
Dimensional Stability ¹ (Volume Change after 7 days)	ASTM D2126	-4.46% @ 158°F & 97% RH
Tensile Strength	ASTM D1623	33 psi
Compressive Strength	ASTM D1621	26.4 psi
Air Permeance @ 75 Pa	ASTM E2178	0.002 L/s·m ²
Water Absorption (% Volume)	ASTM D2842	0.5%
Open Cell Content	ASTM D2856	2.5%
Hot Surface Performance	ASTM C411	194°F
Fungi Resistance	ASTM C1338	Pass, no growth
Material Listing	Intertek	CCRR-0396
Color		Amber

Burn Characteristics

Attribute	Test	Results
Flame Spread	ASTM E84	10
Smoke Development	ASTM E84	300
Surface Burning Characteristics @ 4"	ASTM E84	Class 1 (A)
Ignition Barrier Uncoated	NFPA 286 Appendix X	Pass
DC 315 Thermal Barrier	NFPA 286	Pass
F10E Thermal Barrier	NFPA 286	Pass
Commercial Fire Resistance	NFPA 285	Certified Compliant Systems ⁱⁱ

ⁱDimensional Stability tested without substrate
ⁱⁱSee design details

Recycled Content

Each set of Insulthane Extreme contains approximately 2,500 recycled PET (Polyethylene Terephthalate) bottles. PET is a common consumer plastic that is converted to polyester polyols to formulate spray foam insulation.

