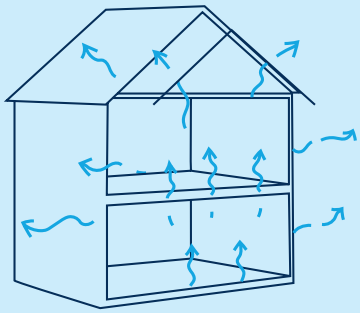
Insulation that helps exceed your energy-efficiency goals

Insulthane® Extreme helps you insulate smarter.

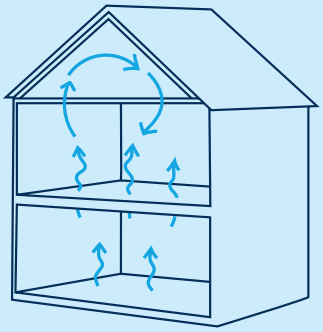
Insulthane Extreme is a spray polyurethane foam insulation system and air barrier material that delivers industry leading R-Values and performance. The spray-applied formula effectively seals off air gaps, working as an insulator and vapour barrier. In the winter, it helps reduce chilly drafts and maintain consistent temperatures, while in the summer it retains cooled air and prevents the hot air from entering your home. It's ideal for new construction or renovating existing structures, such as attics, garages, basements and crawlspaces. Energy efficient homes are valuable, and Insulthane Extreme spray foam insulation is a quality investment that will deliver long lasting thermal performance and comfort.

1-Step Insulation & Air Sealing



31% of air escapes through walls and gaps in a home with fiberglass insulation.

Spray foam insulation seals gaps and cracks, creating an air barrier to prevent air leaks and energy loss.



Big Savings
Reduce your energy costs by 30-50%

Water Resistant
Prevent mould and moisture damage

Long-lasting
Rigid structure doesn't sag or settle over time

Durable
Increase structural strength of walls

Market Value
Improve resale value with premium insulation

Attics

Air leaks into poorly insulated attics can account for 28% of heat loss. Insulate, strengthen and air seal in one step to prevent heated or cooled air from escaping.

Basements

No more basement smells, drafts or chills. Turn your basement into a cozy and comfortable space by eliminating both air infiltration and moisture issues.

ULC-Evaluated Radon Protection System

Insulthane Extreme has been rigorously evaluated by ULC to meet Canadian safety standards as a radon barrier system. When installed under the slab, it creates a continuous soil gas barrier, sealing off all cracks and penetrations to prevent radon from entering your home.

ULC ER-R40584

Insulthane Extreme | Technical Data

Attribute	Test	Results
Density	ASTM D1622	2.2 lb/ft^3 34.5 kg/m^3
Long Term Thermal Resistance (50mm Foam Depth)	CAN/ULC-S770-09	R 10.9 RSI 1.92
Water Vapour Transmission	ASTM E96 25 mm	47.34 ng/ (Pa·s·m^2)
Water Vapour Transmission	ASTM E96 50 mm	36.1 ng/ (Pa·s·m^2)
Corner Wall Test	CAN/ULC-S127	330
Flame Spread	CAN/ULC-S102 Steiner Tunnel	Flame 5 Smoke 130
Flame Spread	ASTM E84 Class 1	<25
Dimensional Stability (Volume Change after 28 days)**	ASTM D2126	-20°C, +1.0% 80°C, +1.0% 70°C & 97% ±3%RH, +9.0%
Protection of Exterior Building Face (NBC, Art. 3.2.3.8)	CAN/ULC-S101 Inboard Assembly (8" thickness)	Pass
Protection of Exterior Building Face (NBC, Art. 3.2.3.8)	CAN/ULC-S101 Outboard Assembly (6" thickness)	Pass

Attribute	Test	Results
Tensile Strength	ASTM 1623	64.5 psi, pass 445 kPa, pass
Air Permeance @ 25 mm	ASTM E2178	0.002 L/S·m^2
Water Absorption (% Volume)	ASTM D2842	3.3%
Compressive Strength	ASTM D1621	25.4 Psi 175 kPa
Open Cell Content	ASTM D2856	2.5%
VOC Emissions	CAN/ULC-S774	25 hours, passed
Hot Surface Performance	ASTM C411	90°C 194°F
Colour		Burnt Sienna
CCMC #	Material Listing	13697-L
CCMC #	Air Barrier System	14030-R
ULC-Evaluated Radon Protection System	ULC ER-R40584	Pass

All testing performed by an accredited independent third party test facility.
** Dimensional Stability was tested without a substrate

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