



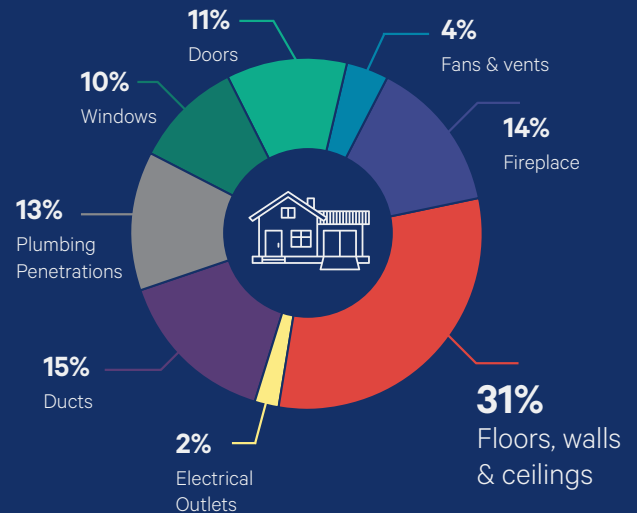
# Activate energy savings with modern insulation technology.

Insulthane® 500 HY transforms your home into a comfortable and energy-efficient living space.

Insulthane 500 HY is a high performance spray foam insulation system that goes beyond traditional insulation in versatility and air sealing. During application, the product expands up to 120 times its initial volume, leaving no crack or crevice unfilled. While fiberglass batts and boardstock leave gaps that allow air to leak, Insulthane 500 HY's open-cell formula insulates and air seals in one step to form an extremely tight barrier against heat loss in the winter, and protects cooled air from escaping in the summer.

Our advanced spray foam system was created for energy efficient living spaces—empowering homeowners to consume less, save more, and live more comfortably.

## How does air escape?



Source: Office of Energy Efficiency and Renewable Energy

Nearly **one third** of air infiltrates through the openings in ceilings, walls and floors in a home with fiberglass insulation.



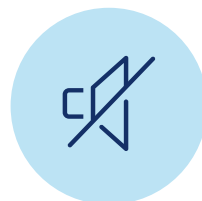
### Big Savings

Reduce your energy expenses by 30-50%



### Water Blown

Eliminate harmful chemicals with a water-blown system



### Noise Reduction

Minimize noise with a sound-absorbing formula



### Market Value

Improve resale value with premium insulation

## Attics

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

## Garages

Upgrade your garage to protect your home against temperature difference, odours, and noise—while keeping your above-garage living area comfortable year round.

# Insulthane 500 HY | Technical Data

Attribute	Test	Results	Attribute	Test	Results
Density	ASTM D1622	0.48 lb/ft <sup>3</sup> 7.6 kg/m <sup>3</sup>	Tensile Strength	ASTM 1623	3.3 psi
Thermal Resistance (50 mm Foam Depth)	ASTM C518	R 7.1 RSI 1.25	Water Absorption (% Volume)	ASTM D2842	34%
Water Vapour Transmission	ASTM E96 (Procedure A)	1238 ng/ (Pa·s·m <sup>2</sup> )	Fungi Resistance	ASTM C1338	No Growth
Corner Wall Test	CAN/ULC-S127	315	VOC Emissions	CAN/ULC-S774	1 day, pass
Flame Spread	CAN/ULC-S102 Steiner Tunnel	Flame 345 Smoke 195	Open Cell Content (Procedure 2)	ASTM D6226	98%
Dimensional Stability* (Volume Change after 28 days)	ASTM D2126	-20°C, -1% 80°C, -11% 70°C @ 97% RH, -15%	CCMC#		13655-R

All testing performed by an accredited independent third party test facility.

\* Dimensional Stability was tested without a substrate



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