



Insulation that keeps you warm, with low global warming impact.

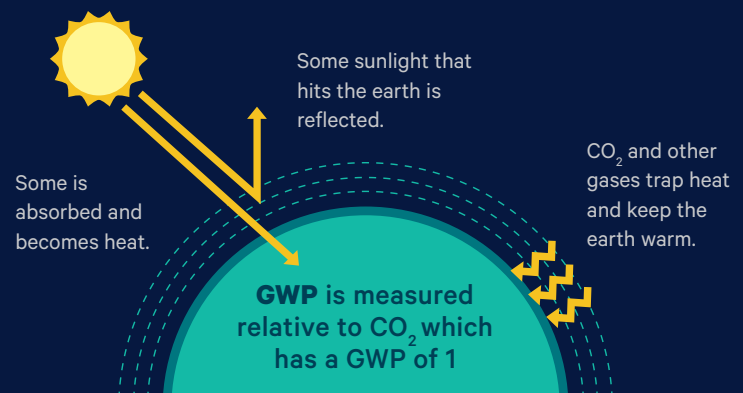
Insulthane® Extreme helps you insulate smarter.

Insulthane Extreme is a Spray Polyurethane Foam (SPF) insulation system that delivers industry leading thermal protection and performance. During application, the closed-cell formula expands to fill hard-to-reach gaps and spaces, and forms a continuous air-tight insulation barrier. With professional installation, it controls moisture and condensation, reduces drafts, and improves indoor air quality. It's an all-in-one insulation that creates a seamless air, moisture and vapour barrier to improve your home's energy-efficiency, sustainability and comfort.

Formulated with advanced blowing agent technology, it's free of the harmful hydrofluorocarbons (HFCs) that are often found in closed-cell SPF. Insulthane Extreme is engineered to maximize environmental performance, so you can enjoy long term savings, while reducing your home's carbon footprint.

What's Global Warming Potential? (GWP)

GWP is a measure of **how much heat a substance can trap in the atmosphere**. The more heat the substance traps, the more potential it has to contribute to global warming.



Insulthane Extreme has an ultra-low GWP of 1, a 99.9% reduction from HFC spray foam insulation products.



Big Savings

Reduce your energy expenses by 30-50%



Water Resistant

Prevent harmful mould and mildew growth



Long-lasting

Enjoy high R-Values that maintain over time



Durable

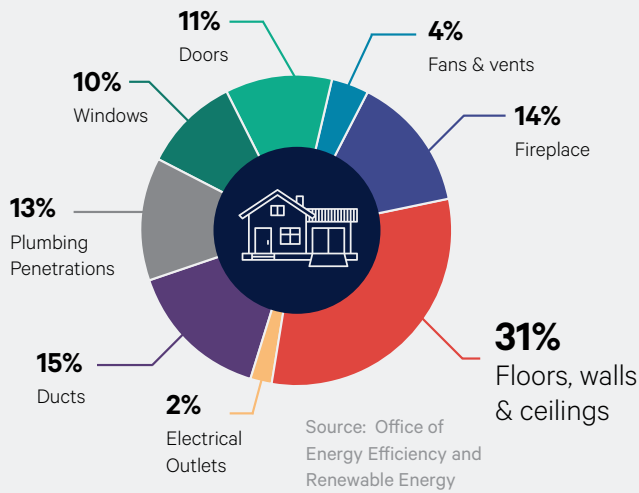
Increase structural strength of walls



Market Value

Improve resale value with premium insulation

Where does air escape?



One third of air escapes through the openings in ceilings, walls and floors in a home with fiberglass 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. Create a lasting air and vapour barrier in your basement, eliminating both air infiltration and moisture issues.

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 ⁱⁱ (Volume Change after 28 days) | ASTM D2126 | -20°C, +1.0% 80°C, +1.0% 70°C & 97% ±3%RH, +9.0% |

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

| 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 |
| ICC - ES # | | ESR - 3809 |



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