



Elastochem Proudly Introduces The Next Generation Of Environmentally Friendly, High Performance Spray Foam.

#### EXTREME PERFORMANCE-ENGINEERED SPRAY FOAM INSULATION

Insulthane® Extreme is a performance engineered insulation system. Designed for residential, commercial, industrial and institutional use. Insulthane® Extreme is a next generation spray foam insulation that provides improved thermal performance (R7) with a strong focus on environmental impact.

#### ULTRA-LOW GLOBAL WARMING POTENTIAL

Insulthane® Extreme has an ultra-low global warming potential (GWP) of 1. This represents a 99.9% reduction compared to HFC alternatives. This means our next generation of foam offers a non-ozone depleting high performance insulation.



Elastochem's new Extreme formula shows improvements in the following performance categories:

- Extreme Thermal Performance R7/in (aged)
- Extreme Long Term Thermal Performance of 2.1
- Extreme Increase in Yield
- Extreme Cold Surface Adhesion
- Extreme Hot Surface Adhesion
- Extreme Low Vapor Drive
- Extreme Decrease in Water Vapor Permeation
- Extreme Flame Spread Characteristics
- Extreme Recycled Content




## Technical Information

Attribute	Test	Extreme Results
Density	ASTM D1622	1.98-2.2 kg/m <sup>3</sup> 30-35 kg/m <sup>3</sup>
Aged Thermal Resistance (90 Day Aged)	ASTM C518	R 14 RSI 2.45
Water Vapor Permeation	ASTM E96	23 ng/ (Pa*s*m3)
Flame Spread	ULC S-102 Steiner Tunnel	Flame 5 Smoke 130
Dimensional Stability (Volume Change after 28 days)	ASTM D2126	-20°C, -.9% 80°C, +.1% 70°C @ 97% RH, -9.6%
Tensile Strength	ASTM 1623	70 psi, pass 279 kPa, pass
Air Permeation @ 75 PA	ASTM E2178	0.0002 L/S*m <sup>2</sup>
Hot Surface Performance Testing	ASTM C411	90°C 194°F
CCMC#	13697-L	

Attribute	Test	Extreme Results
Open Cell Content	ASTM D2856	<3%
Aged Thermal Resistance (50mm Foam Depth)	CAN/ULC S-770	R 12 RSI 2.1
Water Absorbtion (% Volume)	ASTM D2842	.5%
Corner Wall Test	ULC S-127	255
Dimensional Stability (Volume Change after 7 days)	ASTM D2126	70°C @ 97% RH, 5%
Compression Strength	ASTM 1621	26.1 Psi 180 kPa
VOC Emissions	CAN/ULC S774-09	Passed

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

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