

# INSULTHANE

## Elastochem® 1100

### PERFORMANCE-ENGINEERED INSULATION

Elastochem® 1100 is a performance-engineered insulation system. Designed for residential (houses and multi-unit dwellings), commercial, industrial and institutional use.

Elastochem® 1100 spray foam insulation products are engineered to provide superior thermal insulation and an effective air barrier. Elastochem® 1100 also boasts industry-leading yield requiring less material usage.

### PROFESSIONAL INSTALLATION

Elastochem® 1100 is only installed by experienced professionals. Trained to work safely, using up-to-date, proven techniques and equipment, our experts ensure that you get the most for your money.

### COMFORT FOR YOUR FAMILY PROTECTION FOR YOUR INVESTMENT

Elastochem® 1100 seals your home to guard against airborne pollutants. With mould, fungi, dust, allergens, pollutants, odours and respiratory irritants restricted from entry, indoor air is easily kept clear, fresh and healthy.

With air leakage minimized, the demands placed on HVAC equipment is markedly reduced. Smaller, less costly equipment can be utilized and with energy savings often as high as 50%, Elastochem® 1100 virtually pays for itself over time.

The perfect fit also makes Elastochem® 1100 a potent sound attenuator. Lawnmowers, traffic, aircraft and other exterior noises are significantly reduced. Using Elastochem® 1100 in interior walls yields excellent control of indoor sound.



## Technical Information

Attribute	Test	1100 Results
Density	ASTM D1622	1.1 lb/ft <sup>3</sup> 17.2 kg/m <sup>3</sup>
Open Cell Content	ASTM D2856	99%
Water Vapor Permeation @ 50mm	ASTM E96	745 ng/ (Pa·s·m <sup>2</sup> )
Flame Spread	ULC S-102 Steiner Tunnerl ULC-127 Corner Wall	<500  <500
Dimensional Stability (Volume Change after 28 days)	ASTM D2126	-29°C, 0.6% 80°C, -2.3% 70°C @ 97% RH, -9.2%
Water Absorption (% Volume)	ASTM D2842	1.65%
Air Permeation @ 75 PA	ASTM E2178	0.0025 L/S·m <sup>2</sup>
Thermal Resistance (50mm Foam Depth)	ASTM C518	R 8.02 RSI 1.41
CCMC#	13656-R	

Attribute	Test	1100 Results
Fungal Resistance	ASTM G21	Zero Rating
Smoke Development	ULC S-102 Steiner Tunnel	<500
VOC Emissions	CAN/ULC S774-09	1 day, pass

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

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