

Protect structures with reliable polyurea waterproofing technology

Hygrothane Spray-Applied Waterproofing Membrane

Below Freezing Application

Contains 0 VOCs

100% Solids

Superb Adhesion

Long-Lasting Water Protection

Hygrothane is a spray applied, two-component polyurea waterproofing membrane designed to provide a seamless water-resistant protective barrier. The quick curing system is suitable for application in a wide range of temperatures, reducing delays caused by varying weather conditions. Applied using a high-pressure system, Hygrothane forms a durable membrane that delivers excellent adhesion with minimal surface preparation.



All Season Application

Applies and cures in cold outdoor temperatures down to -5°C



Monolithic Barrier

Seals around fasteners, joints and bridges cracks without limits on build thickness



Quick Installation & Curing

Rapid-cure formula and strong adhesion with minimal surface preparation



Durable & Lasting Finish

Excellent impact, chemical, puncture and abrasion resistance

Applications

- › Waterproofing for concrete foundation walls
- › Storm water tank waterproofing
- › Protection for spray polyurethane foam insulation
- › Blindside waterproofing
- › Waterproofing for wastewater & sewage applications
- › Below grade waterproofing in both hydrostatic and non-hydrostatic conditions
- › Commercial open-cut waterproofing
- › Elevator pit waterproofing
- › Plaza deck waterproofing
- › Bridging cracks in concrete

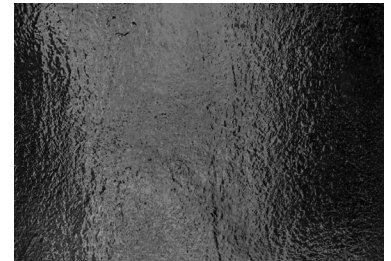
Hygrothane

Technical Data

Attribute	Test	Results
Dry Film Thickness	ASTM D5147	1.27 mm (50 mils)
Tensile Strength	CAN/CGSB 37-GP-56M	392N (MD) 400N (XD)
Elongation	CAN/CGSB 37-GP-56M	334% (MD) 347% (XD)
Water Vapour Transmission	ASTM E96	58 ng / (Pa·s·m ²) @ 1.27mm or 50 mils
Peel Strength	CAN/CGSB 37.58-M86 ASTM C794	1726 N/m
Water Absorption	CAN/CGSB 37.58-M86	0.43%
Low Temp Flexibility	CAN/CGSB 37.58-M86 ASTM C794	-40°C No Crack
Dimensional Stability	CAN/CGSB 37.58-M86	0.38% (MD) 0.43% (XD)
Horizontal Burn	UL 94	HB (Self extinguishes)
Static Puncture	CAN/CGSB 37-GP-56M (-15°C)	Pass Rating 4
Dynamic Puncture	CAN/CGSB 37-GP-56M (-15°C)	Pass Rating 4
Crack Bridging	ASTM C1305 (-20°C & 40°C)	Pass No splitting or loss of adhesion
Water Tightness*	CAN/CGSB 37.56-M86	Pass
Lap Peel	ASTM D1876	1680 N/m
Pull Adhesion on Concrete (With Primer)	ASTM D4541	5.84 MPa 847 lb/in ²
Pull Adhesion on Concrete (Without Primer)	ASTM D4541	3.56 MPa 516 lb/in ²
Adhesion of Poured Concrete to Hygrothane**	ASTM D4541-M	10,000 N/m ² 1.45 lb/in ²
Resistance to Hydrostatic Head	ASTM D5385	92 m 301 ft
CCMC #	-	14144-R
Colour	-	Black

*After puncture, impact, chemical aging, heating aging and UV aging

**With acrylic concrete primer

REFERENCES:

All properties determined through testing by an accredited independent third party test facility.



GET IN TOUCH:

Elastochem Specialty Chemicals Inc.
1-877-787-2436
37 Easton Road
Brantford, ON N3P 1J4
www.elastochem.com

