TECHNICAL DATA SHEET

Insulthane® 500 HY

Insulthane® 500 HY

Insulthane® 500 HY is two component, light density, open-cell spray polyurethane foam insulation system. The high expanding formula provides economical yield and impressive air-sealing qualities to reduce heat loss through air infiltration. Due to the lighter density, Insulthane 500 HY has added sound-dampening properties, helping to create a quieter indoor environment.

Thermal Resistance (ASTM C518)

Thickness (inch)	R-Value (°F·ft²·h/Btu)
1.0	3.75
2.0	7.2
3.5	13
4.0	14

Features

High Expansion
Expands to seal common gaps & crevices

Water Blown
Elimate harmful chemicals with a water-blown system

Noise Reduction
Minimize noise with a sound-absorbing formula

Cost Savings
Prevents air leaks to reduce energy loss

Physical Properties

Attribute	Test	Results
Density (Nominal)	ASTM D1622	0.5 lb/ft³
Open-Cell Content (Procedure 2)	ASTM D6226	100%
Dimensional Stability (Volume Change after 7 days)	ASTM D2126	-0.1% @ 158°F & 97% RH
Water Vapor Transmission @ 2”	ASTM E96	27.6 perms
Air Permeance	ASTM E283	0.019 cfm/ft²
Water Absorption (% Volume)	ASTM D2842	6.7%
Re-entry (worker) Re-occupancy	ASTM D8445	1 hour 2 hours
Material Listing	Intertek	CCRR-0396
Colour	-	Cream

Burn Characteristics

Attribute	Test	Results
Flame Spread	ASTM E84	20
Smoke Development	ASTM E84	215
Surface Burning Characteristics @ 1”	ASTM E84	Class 1 (A)
Unvented Attic Without Ignition Barrier	AC 377 Appendix U	Walls 18” Ceiling 18”
Ignition Barrier (4 mils, DC 315)	AC 377 Appendix X	Walls 8” Ceiling 12”
Thermal Barrier	NFPA 286	15 min - 20 mils WFT DC 315

Application Areas

Interior walls, attics, floors, crawlspaces, ceilings

ELASTOCHEM

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