

The structural strength you need in a quick and easy spray foam application

Insulthane® HC High Compressive Strength Foam

Available in 40 - 100 psi

Uses 20% Recycled Content

Air & Vapour Control

Insulthane® HC is a high compressive strength structural spray polyurethane foam insulation. It delivers excellent resistance to heavy loads, moisture and extreme temperatures. Insulthane® HC is offered in a variety of compressive strengths suitable for commercial and industrial applications. The spray application creates a continuous insulation system that leaves no seams or other imperfections.



Dependable Performance

A cutting edge formula with industry leading compressive strength and resilience



Monolithic Barrier

Forms an airtight, continuous barrier with no seams, joints, cracks or gaps



Substrate Adhesion

Superior adhesion to a variety of surface types unlike other underslab materials



No Taping Required

Save time and labour while ensuring a thorough, quality product installation



All Season Application

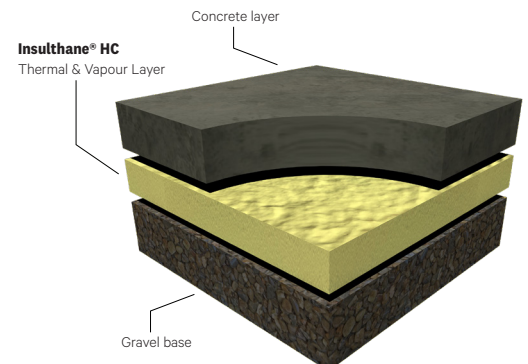
Applies and cures year-round in outdoor temperatures as low as 5°C

Strength & Reliability

A high-density structural spray foam insulation designed for heavyweight infrastructure where compressive strength and moisture resistance are crucial. This closed-cell structural foam uses water as a blowing agent delivering a GWP of 1 and zero ozone depletion. Insulthane® HC is an easy-to-spray formula with strong adhesion and minimal surface preparation.

Applications

- > Under slab construction
- > Highways
- > Airport runways
- > Ice hockey rinks
- > Parking decks
- > Bridge abutments
- > Utility lines
- > Material retention
- > Geotechnical applications
- > Plaza deck applications



Technical Data

Attribute	Test	Insulthane HC 40	Insulthane HC 60	Insulthane HC 100
Aged R-Value @ 1"	ASTM C518	R 5.2 / RSI 0.92 (90 days)	R 5.0 / RSI 0.88 (180 days)	R 4.7 / RSI 0.83 (180 days)
Compressive Strength	ASTM D1621	338 kPa (49 psi)	448 kPa (65 psi)	703 kPa (102 psi)
Density	ASTM D1622	54 kg/m ³ (3.4 lbs/ft ³)	59 kg/m ³ (3.7 lbs/ft ³)	112 kg/m ³ (7 lbs/ft ³)
Flame Spread	CAN/ULC-S102	< 500 SD	< 500 SD	< 500 SD
Water Absorption	ASTM D2842	3%	1.3%	0.1%
Water Vapour Permeance @ 2"	ASTM E96	69.8 ng / Pa·s·m ² (1.22 perms)	62.4 ng / Pa·s·m ² (1.09 perms)	44.6 ng / Pa·s·m ² (0.78 perms)
Linear Dimensional Stability (28 days @ 80°C)	ASTM D2126	< 1.5%	< 1.5%	< 0.5%
Linear Dimensional Stability (28 days @ 70°C, 97 RH)	ASTM D2126	< 3%	< 3%	< 1%
Volumetric Dimensional Stability (28 days @ 80°C)	ASTM D2126	-0.8%	In progress	-0.8%
Volumetric Dimensional Stability (28 days @ 70°C, 97 RH)	ASTM D2126	-0.12%	In progress	0.8%
Colour	-	Cream	Cream	Cream



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REFERENCES:

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

