IKOTherm™ III 25 PSI Grade

COMMERCIAL ROOF INSULATION

STOCK# **4180180**

PALLET SIZE: **122 cm x 244 cm (4 ft x 8 ft)**

THICKNESS: **89 mm (3.5 in)**

BOARDS PER PALLET: **13**

Note: All reported values are nominal.

Durable and lightweight with an excellent R-value, let IKOTherm III 25 PSI Grade Commercial Roof Insulation go to work for your next roofing project.

- EXTRA-TOUGH
- OUTSTANDING THERMAL RESISTANCE

IKO® COMMERCIAL

Specify *with* Confidence.

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Durable but Lightweight

Lightweight and easy to handle, IKOTherm III 25 PSI Grade Polyisocyanurate Foam Insulation is designed to be part of a hot or cold applied modified bitumen or built-up roof system featuring a high compressive resistance to deformation.

Reinforced Facers

Non-organic coated glass fiber facers are bonded on to the foam core to offer superior dimensional stability and resistance to moisture.

Excellent R-Value

As a rigid polyisocyanurate foam insulation, IKOTherm III 25 PSI Grade coverboard has a high thermal R-value that provides outstanding insulation protection, which can help to reduce heating and cooling costs.

Versatile

IKOTherm III 25 PSI Grade is a dimensionally stable board that can be sized with ease to meet a variety of insulation needs.

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IKOTherm III 25 PSI Grade satisfies the requirements CAN/ULC S704 for Type 3, Class 3 materials, and ASTM C1289 Type II, Class 2, Grade 3.

Please contact your IKO Technical Representative for specific slope requirements.

CHARACTERISTICS	UNITS	MEETS/ EXCEEDS	SPECIFICATION	TEST METHOD	STANDARD LIMITS
Length Tolerance:	mm (in)	± 4 (± 0.16)	CAN/ULC-S704	ASTM C303	+ 6 (+ 0.25) - 4 (- 0.16)
Width Tolerance:	mm (in)	± 2 (± 0.08)	CAN/ULC-S704	ASTM C303	+ 4 (+ 0.16) - 2 (- 0.08)
Dimensional Stability (MD/XD) At -29°C: At 80°C: At 70°C, 97% R.H.:	 % % %	 -0.02/-0.03 -0.02/-0.17 0.30/0.80	CAN/ULC-S704	ASTM D2126	 max: ± 2 max: ± 2 max: ± 2
Water Vapour Permeance:	ng/Pa·s·m²	✓	CAN/ULC-S704	ASTM E96	>60
Water Absorption:	% by Vol.	✓	CAN/ULC-S704	ASTM D2842	max: 3.5
Compressive Strength*:	kPa (psi)	✓	CAN/ULC-S704	ASTM D1621	min: 170 (25)
Flexural Strength MD: XD:	kPa (psi)	 ✓ ✓	CAN/ULC-S704	ASTM C203	min: 275 (39.3)
Long Term Thermal Resistance (LTTR): Thickness: 50 mm (2 in)	m²·K/W (Btu/hr.ft².°F)	2.01 (11.4)	CAN/ULC-S704	CAN/ULC-S770	—

*Tested on cured sample, using chord modulus at 10% deformation. Note: LTTR value shown is for "metric" thicknesses, and will vary slightly for 2"value. See also Material Safety Data Sheet – MSDS #1511 or MSDS #1911. All values shown are approximate. The information on this sheet is based on data considered to be true and accurate based on periodic internal testing and production measurements at time of manufacture. The information is offered solely for the user's consideration, investigation and verification, and is subject to change without notice. Nothing contained herein constitutes or represents a warranty or guarantee for which the manufacturer can be held legally responsible. IKO assumes no responsibility for errors that may appear in this document.

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