

IKOTherm™ III

COMMERCIAL ROOF INSULATION

STOCK# 4183601

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

AVAILABLE THICKNESSES:

15.88 mm (0.625 in.) to 102 mm (4 in.)

*A full range of thicknesses available upon request.

PIECES PER PALLET:

122 cm x 244 cm (4 ft x 8 ft)

15.9 mm (0.625 in.) - 76,

25 mm (1 in.) - 48, 50 mm (2 in.) - 24,

75 mm (3 in.) - 16, 102 mm (4 in.) - 12

122 cm x 122 cm (4 ft x 4 ft)

25 mm (1 in.) - 96, 50 mm (2 in.) - 48,

75 mm (3 in.) - 32, 102 mm (4 in.) - 24

Note: All reported values are nominal.



COMMERCIAL



Durable and lightweight with an excellent R-value, let IKOTherm III Polyiso Foam Insulation go to work for your next commercial roofing project.



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Durable but Lightweight

Lightweight and easy to handle, IKOTherm III Polyisocyanurate Foam Insulation is designed to be part of a hot or cold applied modified bitumen or built-up roof system. IKOTherm III's foam core is bonded on top and bottom to glass fiber facers, during the manufacturing process.

Reinforced Facer

A non-organic coating bonded to a glass fiber strand mat on the product offers high strength and excellent absorption for both hot mopping and adhesive attachment methods. The product also performs well with mechanical fasteners.

Excellent R-Value

IKOTherm III is a rigid, polyisocyanurate foam insulation with high thermal properties. The product has a high thermal R-value that provides outstanding insulation protection, which helps to reduce heating and cooling costs.

Versatile

IKOTherm III is available in two board sizes and a range of thicknesses to meet a variety of insulation needs.

- TOUGH
- OUTSTANDING THERMAL RESISTANCE
- RANGE OF THICKNESS AVAILABLE

IKOTM Therm III

COMMERCIAL ROOF INSULATION



IKOTM Therm III satisfies the requirements of CAN/ULC S-704 for Type 2, Class 3 materials, and ASTM C1289 Type II, Class 2, Grade 2.

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
Flame Spread*:	FSI	Class B	ASTM E84	ASTM E84	26-75
Water Vapour Permeance:	ng/Pa·s·m ²	✓	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: 140 (20)
Flexural Strength MD: XD:	kPa (psi)	✓ ✓	CAN/ULC-S704	ASTM C203	min: 275 (39.3)
Long Term Thermal Resistance (LTTR) Thickness: 15.88 mm (0.625 in) 25 mm (1 in) 50 mm (2 in) 75 mm (3 in) 102 mm (4 in)	m ² .K/W (BTU/hr.ft ² .°F)	1.00 (5.7) 2.00 (11.4) 3.00 (17.1) 4.14 (23.6)	CAN/ULC-S704	CAN/ULC-S770	—

* The numerical ratings as determined by ASTM Test Method E84 are not intended to reflect hazards presented by this or any other material under actual fire conditions (All values are nominal) ** Tested on cured sample, using chord modulus at 10% deformation. 172 kpa (25 psi) product available by special request, which would conform to ASTM C1289 Grade 3 requirements. 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.

