

# IKOTherm™

## COMMERCIAL ROOF INSULATION



# IKO® COMMERCIAL



STOCK# 4180XXX

PALLET SIZE: 122 cm x 244 cm

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

TAPERED: 122 cm x 122 cm (4 ft x 4 ft)

AVAILABLE THICKNESSES\*:

25 mm (1 in), 50 mm (2 in), 75 mm (3 in),

100 mm (4 in)

PIECES PER PALLET:

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

25 mm (1 in) - 46    50 mm (2 in) - 22

75 mm (3 in) - 15    100 mm (4 in) - 11

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

25 mm (1 in) - 92    50 mm (2 in) - 44

75 mm (3 in) - 30    100 mm (4 in) - 22

\*IKOTherm and IKOTherm Tapered are available in a full range of thicknesses upon request.

IKO's AccuCut service allows further specialty board dimensions.

Note: All reported values are nominal.

## IKOTherm™

### COMMERCIAL ROOF INSULATION

#### Durable but Lightweight

Lightweight and easy to handle, IKOTherm Polyisocyanurate Foam Insulation is designed to be part of modified bitumen, built-up, or single-ply roof system.

#### Reinforced Facer

IKOTherm is composed of a select Kraft paper reinforced with glass fiber strands for high strength and excellent absorption for both hot mopping and adhesive attachment methods. The product also performs well with mechanical fasteners.

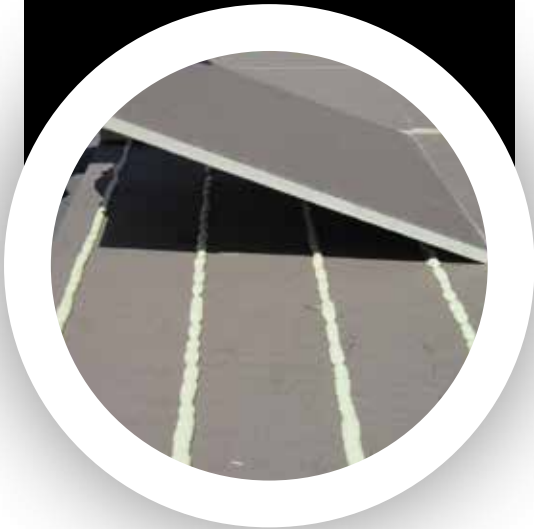
#### Excellent R-Value

IKOTherm is a rigid, polyisocyanurate foam insulation with high thermal properties, which can provide outstanding insulation protection and help to reduce heating and cooling costs.

#### Versatile

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

- EXTRA TOUGH
- OUTSTANDING R-VALUE



**IKO<sup>TM</sup>Therm** Polyisocyanurate Foam Insulation is produced according to the requirements of CAN/ULC S-704 for Type 2, Class 3 materials, and ASTM C1289 Type II, Class 1, Grade 2. This product is listed under CCMC listing #13037-L and is FM and UL approved.

ISO 9001 – 2008 REGISTERED FACILITY

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)	%	-0.02/-0.03	CAN/ULC-S704	ASTM D2126	max: ± 2 max: ± 2 max: ± 2
At -29°C:	%	-0.02/-0.17			
At 80°C:	%	0.30/0.80			
At 70°C, 97% R.H.:					
Water Vapour Permeance:	ng/Pa·s·m <sup>2</sup>	✓	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		✓	CAN/ULC-S704	ASTM C203	min: 275 (39.3)
MD:	kPa (psi)	✓			
XD:		✓			
Long Term Thermal Resistance (LTTR) Thickness:	m <sup>2</sup> ·K/W (Btu/hr.ft <sup>2</sup> ·°F)	0.99 (5.6)	CAN/ULC-S704	CAN/ULC-S770	—
25 mm (1 in)		2.01 (11.4)			
50 mm (2 in)		3.06 (17.4)			
75 mm (3 in)		4.16 (23.6)			
100 mm (4 in)					

\* 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. Note: LTTR values shown are for "metric" thicknesses, and will vary slightly from 1", 2", 3" and 4" values. See also Material Safety Data Sheet – MSDS #1511 or MSDS #1911. The information on this product information sheet is based upon data considered to be true and accurate, based on laboratory tests and production measurements, and is offered solely for the user's consideration, investigation and verification. Nothing contained herein is representative of a warranty or guarantee for which the manufacturer can be held legally responsible. The manufacturer does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.