IKO Ener-Air™ Sheathing

WALL INSULATION

STOCK# **41842XX**

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

122 cm x 274 cm (4 ft x 9 ft)

AVAILABLE THICKNESSES**

4184200 - 12 mm (0.5 in)

4184201 – 16 mm (0.625 in)

4184202 – 18 mm (0.75 in)

4184203 – 25 mm (1.0 in)

4184208 – 38 mm (1.5 in)

4184213 – 50 mm (2.0 in)

PIECES PER PALLET:

12 mm (0.5 in) - 96, 16 mm (0.625 in) - 76

18 mm (0.75 in) - 64, 25 mm (1.0 in) - 48

38 mm (1.5 in) - 32, 50 mm (2.0 in) - 24

****Special sizes available upon request. IKO's AccuCut service allows further specialty board dimensions.**

Note: All reported values are nominal.

- OUTSTANDING R-VALUE
- VAPOUR PERMEABLE
- NOISE REDUCING
- LOW ODOUR EMISSION

IKO® COMMERCIAL

Specify with Confidence.

Let IKO Ener-Air Wall Insulation go to work for your next commercial building project.

IKO Ener-Air Sheathing

WALL INSULATION

Glass Fiber-Faced Poliso

IKO Ener-Air is a rigid, polyisocyanurate foam insulation with high thermal properties. It is constructed from closed cell polyisocyanurate foam core reinfocred and bonded on each side to coated glass fiber facers during the manufacturing process. IKO Ener-Air is designed to be a non-structural sheathing in cavity wall, stud wall, exterior insulation or cathedral ceiling construction.

Built to Perform

Building owners and construction professionals are demanding more and more highly engineered building materials. IKO Ener-Air Sheathing Systems meet and exceed those expectations, especially designed with new acoustic properties, bringing maximum weather resistance and quiet comfort to structures.

Multi-Purpose

IKO Ener-Air is a dimensionally stable air barrier with a high water vapour permeance and excellent water shedding capabilities. When used with AquaBarrier™ VP Tapes, it can act as a vapour-permeable, insulated Weather Resistive Barrier (WRB) system for exterior walls. The system offers three major benefits, all in one!

- Insulation
- Weather Resistive Air Barrier
- Controls Sound

Cost Effective

IKO Ener-Air has a high thermal R-value that provides outstanding insulation protection, which helps to reduce energy costs and increase efficiency.

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WALL INSULATION

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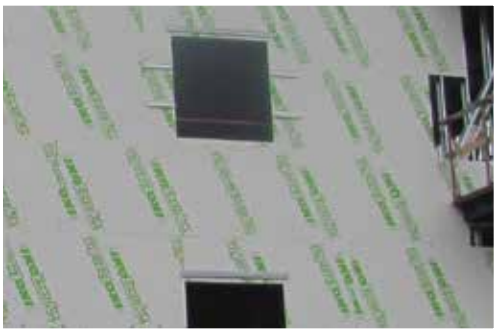
Specify with Confidence.



IKO Ener-Air Wall Insulation is produced according to the requirements of CAN/ULC S704:2017 for Type 2, Class 3 materials and as a Type 2 Class 1 Grade 1 material, per ASTM C1289-17. All local safety rules and precautions should be followed when working with IKO products. See also Material Safety Data Sheet MSDS #1911.

Good building practices include ensuring the application surface is adequately prepared for the installation of the product. For further details, please refer to the "IKO Installation Guidelines".

CHARACTERISTICS	UNITS	NOMINAL VALUE		TEST METHOD
Compressive Strength:	kPa (psi)	>140 (>20)		ASTM D1621
Tensile Strength:	kPa (psi)	>35 (>5.08)		ASTM D1623
Flexural Strength:	kPa (psi)	>275 (>40)		ASTM C203
Water Absorption:	% Vol./Vol.	<3.5		ASTM C209
Dimensional Stability @ 70°C MD/XD:	%	±2 / ±2		ASTM D2126
R-Value – LTTR		LTTR RSI Value	LTTR R-Value	
12 mm (0.5 in): 18 mm (0.75 in): 25 mm (1.0 in): 38 mm (1.5 in): 50 mm (2.0 in):	m^2·K/W (RSI) ft^2·°F·h/BTU (R-Value)	0.49 0.74 1.00 1.50 2.01	2.8 4.2 5.7 8.5 11.4	CAN/ULC S770
Water Vapour Transmission Rate (WVTR):	ng/Pa·s·m^2 (perms)	>60 (>1)		ASTM E96 (Method B)
Air Permeability @ 75 pa:	L/s·m^2	<0.02		ASTM E2178
Air Leakage:	L/s·m^2	Class A4		CAN/ULC S742-11 / ASTM E2357-11[1]
Flame Spread:	—	< 115 <75		CAN/ULC-S102 ASTM E84
Smoke Developed:	—	<500 <450		CAN/ULC-S102 ASTM E84
Service Temperature:	°C (°F)	-40 to 100 (-40 to 212)		—
Width Tolerance:	mm (in)	+4, -2 (+0.16, -0.08)		ASTM C303
Length Tolerance:	mm (in)	+6, -4 (+0.24, -0.16)		ASTM C303
Sound Transmission Class (STC):	—	14 – 15		ASTM E90 (09)
Odour Emission:	—	Pass		ASTM C1304 (08)-2013

[1]When joints & penetrations detailed appropriately. [2]Stated thermal resistance values are based upon conditioning requirements and test methodology found in CAN/ULC S704 and ASTM C518.

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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