

## Dynamic Wind Uplift Resistance CSA A123.21-2014 – Summary Document

Document No.: 19-06-B0127-PARS010-A RV1  
Document Date: November 11, 2019

Reference Documentation:

CSA A123.21-2014 Report No: 17-06-M0107  
Supplementary Report No.: 19-06-B0042-M

<b>Manufacturer:</b>	IKO Industries Ltd.		<b>IKO System Identification:</b>
	40 Hansen Road South		
	Brampton, Ontario, Canada		PARS010
	L6W 3H4		

### SECTION 1.0: Roof System Summary:

<b>"IKO BUR – MA ISO (UNBRIDGED) HOT MOPPED SYSTEM" – Partially Attached Roofing System</b>	
Roof Membrane:	IKO No. 15 Perforated Asphalt Saturated Felt, 4-Ply Organic BUR
Cover Board:	MSL Louiseville Fiberboard
Insulation:	IKO IKOTerm
Insulation:	IKO IKOTerm
Vapour Retarder:	IKO Armourgard Vapour Retarder
Thermal Barrier:	None
Deck:	Steel Deck, 22 ga, RD938, 230 MPa (33.4 ksi)

### SECTION 2.0: System Dynamic Wind Uplift Resistance (DUR) Testing Details:

<b>Test Date</b>	<b>Dynamic Wind Uplift Resistance (DUR) of tested specimen kPa (psf)</b>	<b>Dynamic Wind Uplift Resistance (DUR)* Rating (with 1.5X safety factor) kPa (psf)</b>
January 31, 2017	4.3 (90)	2.9 (60)

**Dynamic Wind Uplift Resistance Rating (DUR): 2.9 kPa (60 psf)**

**SECTION 3.0: Tested Product and Substitutable Products:**

Roof Membrane		
Tested Product	IKO No. 15 Perforated Asphalt Saturated Felt, 4-Ply Organic BUR with Glaze Coat, 203 mm (8.0") Overlap	
Product Size	Roll Width: 0.914 m (36"), roll Length 43.9 m (144')	
Attachment Method	Hot Mopped with CSA A123.4 Type 2 Hot Asphalt Adhesive	
Substitutable Product(s)		
Manufacturer	Product Identification	
IKO Industries Ltd.	Type IV Glass	Type 6 glass

Cover Board	
Tested Product	MSL Louiseville Fiberboard
Product Size	12.7 x 1220 x 1220 mm (1/2" x 4' x 4')
Attachment Method	Hot Mopped with CSA A123.4 Type 2 Hot Asphalt
Fastening Rate	Full coverage
Substitutable Product(s)	
Manufacturer	Product Identification
Generic	Any approved wood fiberboard meeting the requirements of CAN/ULC S-706 and ASTM C208

Insulation (Top Layer)			
Tested Product	IKO IKOTerm		
Product Size	51 x 1220 x 1220 mm (2" x 4' x 4')		
Attachment Method	Hot Mopped with CSA A123.4 Type 2 Hot Asphalt		
Fastening Rate	Full coverage		
Substitutable Product(s)			
Manufacturer	Product Identification		
IKO Industries Ltd.	IKOTerm III	IKOTerm 25 psi	IKOTerm III 25 psi
	IKOTerm Tapered	IKOTerm III Tapered	IKOTerm 25 psi Tapered

Insulation (Bottom Layer)			
Tested Product	IKO IKOTerm		
Product Size	51 x 1220 x 2438 mm (2" x 4' x 8')		
Attachment Method	Mechanically attached		
Fastening Rate	1 per 2.67 ft <sup>2</sup> (0.025 m <sup>2</sup> )		
Substitutable Product(s)			
Manufacturer	Product Identification		
IKO Industries Ltd.	IKOTerm III	IKOTerm 25 psi	IKOTerm III 25 psi
	IKOTerm Tapered	IKOTerm III Tapered	IKOTerm 25 psi Tapered

Vapour Retarder		
Tested Product	IKO Armourgard Vapour Retarder	
Product Size	Roll Width: 0.9 m (36"), Roll Length 20 m (65'), 1.4 mm (0.053"), 50.8 mm (2") Overlap	
Attachment Method	Loose laid or adhered to substrate primed with IKO S.A.M. adhesive	
Fastening Rate	n/a	
Substitutable Product(s)		
Manufacturer	Product Identification	
IKO Industries Ltd.	MVP	MVP Sand
	Armourbond Flash Sand	Armourgard Ice and Water Protector Commercial
	Any approved generic Kraft Paper or polyethylene vapour retarder	

Thermal Barrier		
Tested Product	Optional layer	
Product Thickness	n/a	
Attachment Method	Loose laid, pre-secured or adhered	
Fastening Rate	n/a	
Substitutable Product(s)		
Manufacturer	Product Identification	
Georgia-Pacific®	DensDeck®	DensDeck Prime®
USG®/CGC	Securock® Glass-Mat	Securock® Gypsum-Fiber
Generic	Any approved Gypsum Board meeting the requirements of ASTM C1177 or ASTM C1278	

Insulation Securement	
Tested Product	Trufast® #14 HD Roofing Fastener with 76 mm (3") round (MP-3000) Metal Insulation Plate
Fastening Rate	1 per 2.67 ft <sup>2</sup> (0.025 m <sup>2</sup> ) - Twelve (12) per 12.7 x 1220 x 2440 mm (4' x 8') board
Substitutable Product(s)	
Manufacturer	Product Identification
SFS	#14 Dekfast Fastener with 3" (76 mm) round (PLT-R-3) Metal Insulation Plate
OMG®	Heavy Duty #14 Roofing Fastener with 3" (76 mm) Galvalume Plate (SPGA3C)

*Note: This is not a comprehensive report but a summary of the performance results produced for the roof assembly documented herein tested in accordance to CSA A123.21-2014. Please refer to the reference documents stated on page 1, or consult the manufacturer, for detailed information pertaining to the test specimen configuration and construction.*

**Reported by:**



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**Accreditation:** Element is an ISO 17025 accredited test lab under International Accreditation Service "TL-407". In addition, CSA A123.21 can be found under our scope of accreditation listing.