


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

Document No.: 19-06-B0127-PARS011-A RV1  
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Reference Documentation:

CSA A123.21-2014 Report No.: 18-06-B0042-2  
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		
	L6W 3H4		<b>PARS011</b>

### SECTION 1.0: Roof System Summary:

<b>“IKO BUR – ASPHALTIC COVER BOARD MA (UNBRIDGED) INSULATION” – Partially Attached Roofing System</b>	
Roof Membrane:	IKO Modiflex MF-95-SS-Base with min. 2 plys Type IV Glass Ply Sheet
Cover Board:	IKO Protectoboard
Insulation:	IKO IKOTerm
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Vapour Retarder:	IKO MVP Vapour Retarder
Thermal Barrier:	GP 12.7 mm (1/2") DensDeck Prime®
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>
August 18, 2016	4.5 (94)	3.0 (62)

**Dynamic Wind Uplift Resistance Rating (DUR): 3.0 kPa (62 psf)**

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

Roof Membrane		
Tested Product	IKO Modiflex MF-95-SS-Base with 2 plys Type IV Glass Ply Sheet	
Product Size	Roll Width: 1.0 m (39.4"), roll Length 15 m (49') & 50 m (164')	
Attachment Method	Hot Mopped with CSA A123.4 Type 2 Hot Asphalt Adhesive	
Substitutable Product(s)		
Manufacturer	Product Identification	
IKO Industries Ltd.	Type 6 glass	No. 15 Perforated Felt

Cover Board	
Tested Product	IKO Protectoboard
Product Size	3 x 1220 x 1524 mm (1/8" x 4' x 5')
Attachment Method	Hot Mopped with CSA A123.4 Type 2 Hot Asphalt Adhesive
Substitutable Product(s)	
Manufacturer	Product Identification
IKO Industries Ltd.	Protectobase 180

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 Adhesive		
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 1220 x 1220 mm (2" x 4' x 4')		
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 MVP Vapour Retarder
Product Size	Roll Width: 1 m (39.4"), roll Length 32 m (105')
Attachment Method	Self-adhered to substrate primed with IKO S.A.M. adhesive
Fastening Rate	n/a
Substitutable Product(s)	
Manufacturer	Product Identification
IKO Industries Ltd.	MVP Sand
	Armourbond Flash Sand
	Armourgard Ice and Water Protector Commercial


Thermal Barrier	
Tested Product	GP DensDeck Prime®
Product Size	12.7 x 1220 x 2440 mm (1/2" x 4' x 8')
Attachment Method	Loose laid, pre-secured or adhered
Fastening Rate	n/a
Substitutable Product(s)	
Manufacturer	Product Identification
Georgia-Pacific®	DensDeck®
USG®/CGC	Securock® Glass-Mat
	Securock® Gypsum-Fiber
Generic	Any approved Gypsum Board meeting the requirements of ASTM C1177 or ASTM C1278

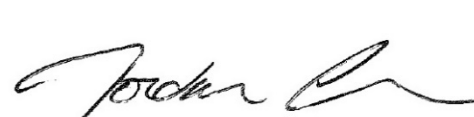
Insulation (Bottom Layer) Securement	
Tested Product	Trufast® #14 HD Roofing Fastener with 76 mm (3") round (MP-3000) Metal Insulation Plate
Fastening Rate	1 per 2.67 ft² (0.025 m²) - Twelve (12) per 12.7 x 1220 x 2440 mm (2" x 4' x 8') board
Substitutional Product(s)	
Manufacturer	Product Identification
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.

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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.

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