

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

Document No.: 19-06-B0155-AARS018-A  
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Reference Documentation:

CSA A123.21-2014 Report No: 19-06-B0155-3  
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		<b>AARS018</b>
	L6W 3H4		

### SECTION 1.0: Roof System Summary:

<b>“IKO MOD-BIT PROTECTOBASE MILLENNIUM ADHERED OVER NON-INSULATED WOOD DECK” – Adhesive Adhered Roofing System</b>	
Roof Membrane – Cap Sheet:	IKO Torchflex TP-180-Cap
Roof Membrane/Cover Board:	IKO Protectobase 180
Deck:	CSA 0121 - DFP/CSA 0151 - CSP exterior grade 4-ply Plywood 1220 x 2440 mm (4' x 8') 15.5 mm (5/8") minimum thickness, unsanded, sheathing grade (SHG), T&G

### 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>
October 28, 2019	8.4 (172)	5.5 (115)

**Dynamic Wind Uplift Resistance Rating (DUR): 5.5 kPa (115 psf)**

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

<b>Roof Membrane (Cap Sheet)</b>			
Tested Product	IKO Torchflex TP-180-Cap		
Product Size	Roll Width: 1 m (40"), roll Length 8 m (26')		
Attachment Method	Heat Welded		
<b>Substitutable Product(s)</b>			
<b>Manufacturer</b>	<b>Product Identification</b>		
IKO Industries Ltd.	Torchflex TP-HD-Cap	Torchflex TP-250-Cap	Torchflex TP-250-Cap (5 mm)
	PrevENT TP-250-Cap	PrevENT TP-HD-Cap	PrevENT Premium TP-250-Cap
	ArmourCool Granular TP-HD	PrevENT ArmourCool Granular TP	PrevENT ArmourCool HD Cap
	Carrara ArmourCool HD		
IKO Industries Ltd.	Modiflex MP-180-cap	Modiflex MP-250-cap	Modiflex MP-HD-cap
	PrevENT MP-250-cap	PrevENT MP-HD-cap	

<b>Roof Membrane Base Sheet/Cover Board</b>		
Tested Product	IKO Protectobase 180	
Product Size	5.4 x 914 x 2440 mm (3/16" x 3' x 8')	
Attachment Method	Ribbon adhered with IKO Millennium adhesive	
Fastening Rate	305 mm (12") o.c.	
<b>Substitutable Product(s)</b>		
<b>Manufacturer</b>	<b>Product Identification</b>	
IKO Industries Ltd.	Protectoboard with Torchflex TP-180-FF-Base	
IKO Industries Ltd	Protectoboard with Modiflex MP-180-FS-Base	Protectoboard with Modiflex MP-180-SS-Base

Roof Membrane Base Sheet/Cover Board Adhesive Securement	
Tested Product	IKO Millennium adhesive – ribbon adhered
Fastening Rate	305 mm (12") o.c.
Substitutional Product(s)	
Manufacturer	Product Identification
n/a	n/a

*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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