

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

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Reference Documentation:

CSA A123.21-2014 Report No: 19-06-B0155-2
Supplementary Report No.: 19-06-B0042-M

Manufacturer:	IKO Industries Ltd.		IKO System Identification:
	40 Hansen Road South		
	Brampton, Ontario, Canada		
	L6W 3H4		AARS017

SECTION 1.0: Roof System Summary:

“IKO MOD-BIT SELF ADHERED BASE SHEET OVER NON-INSULATED WOOD DECK” – Adhesive Adhered Roofing System	
Roof Membrane – Cap Sheet:	IKO Torchflex TP-180-Cap
Roof Membrane – Base Sheet	IKO Armourbond Flash
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:

Test Date	Dynamic Wind Uplift Resistance (DUR) of tested specimen kPa (psf)	Dynamic Wind Uplift Resistance (DUR)* Rating (with 1.5X safety factor) kPa (psf)
October 29, 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:

Roof Membrane (Cap Sheet)			
Tested Product	IKO Torchflex TP-180-Cap		
Product Size	Roll Width: 1 m (40"), roll Length 8 m (26')		
Attachment Method	Heat Welded		
Substitutable Product(s)			
Manufacturer	Product Identification		
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	

Roof Membrane (Base Sheet)		
Tested Product	Armourbond Flash	
Product Size	Roll Width: 1 m (40"), roll Length 15 m (49')	
Attachment Method	Self-adhered to plywood deck primed with S.A.M. Adhesive	
Substitutable Product(s)		
Manufacturer	Product Identification	
IKO Industries Ltd.	Armourbond 180	Armourbond Flash HD
IKO Industries Ltd.	Armourbond Flash Sand	Armourbond Flash Sand HD

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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