



ENGINEER

EVALUATE

TEST

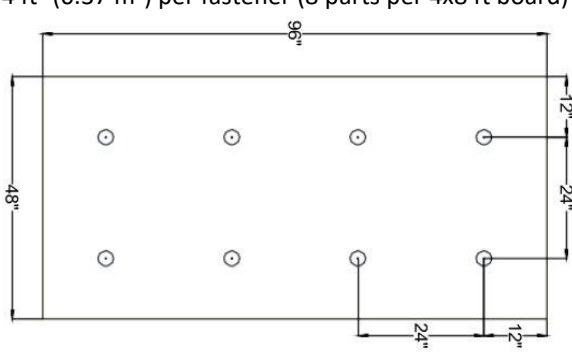
CONSULT

**ROOF SYSTEM ASSESSMENT REPORT
DYNAMIC UPLIFT RESISTANCE PER CSA A123.21**

CLIENT:	IKO Industries, LTD.	TEST DATE:	2020-11-18
CLIENT REFERENCE NO.:	MARS012	PUBLICATION DATE:	2024-01-12
DOCUMENT NO.	IKO-MARS-2	REVISION NO.	1
TEST PANEL NO.	IKO-D2	REEVALUATION DATE:	2027-01-11
SYSTEM TYPE:	D-1		

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

PERFORMANCE ⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
	60 psf (2.87 kPa)	40 psf (1.91 kPa)

COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
MEMBRANE ⇒	Innovi™ TPO, min. nominal 45-mil	Mechanically attached: InnoviFast Heavy Duty (HD) Fastener with InnoviFast Barbed Seam Plate or Dekfast DF-#15-PH3 with Dekfast PLT-R-2-3/8-6B, Max. 6-inch (152-mm) o.c. within min. 6-inch (152-mm) wide laps spaced max. 114-inch (2.9-m) o.c. Laps sealed with 1.5-inch (38-mm) heat-weld.
INSULATION ⇒	One or more layer(s), min. 1.5-inch thick IKOTerm, IKOTerm III, IKOTerm 25 psi, IKOTerm III 25 psi, IKOTerm Tapered, IKOTerm III Tapered or IKOTerm 25 psi Tapered	Topmost layer mechanically attached: InnoviFast All Purpose (AP) Fastener with InnoviFast Round Insulation Plate or SFS Group USA “Dekfast DF-#14-PH3” with “ Dekfast PLT-R-3” 4 ft ² (0.37 m ²) per fastener (8 parts per 4x8 ft board) 
VAPOUR BARRIER ⇒	6-mil polyethylene or	Loose laid
	IKO MVP or IKO MVP Sand	Self-adhering
PRIMER ⇒	(When using IKO MVP or IKO MVP Sand) IKO S.A.M. Adhesive	
THERMAL BARRIER (OPTIONAL) ⇒	Any type or thickness acceptable to the Authority Having Jurisdiction	Loose-laid, adhered or mechanically-attached

ROOF SYSTEM ASSESSMENT REPORT, DYNAMIC UPLIFT RESISTANCE PER CSA A123.21

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COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
DECK ⇨	Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 275 MPa (40 ksi), or alternate steel deck providing the fastener withdrawal resistance noted below.	
INSULATION FASTENER POINT-LOAD ⇨	240 lbf (1,068 N)	
MEMBRANE FASTENER POINT-LOAD ⇨	285 lbf (1,268 N)	

NEMO ETC CREDENTIALS		
TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	TL-689
TAS 301 Certification	Miami-Dade	21-0409.01
Third Party Test Data Program	UL, LLC	DA2862
Test Lab Listing	Roofing Contractors Association of British Columbia	RCABC Labs

REPORT HISTORY			
DATE	EVENT	NOTES	AUTHORIZED BY:
2021-06-21	DRAFT 1	RSAR for IKO-D2; for client review	RN
2021-06-25	FINAL	After client review	RN
2024-01-12	R1	Re-examination / renewal	RN

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END OF REPORT