



ENGINEER

TEST

CONSULT

ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CUSTOMER:	IKO Industries, LTD.	TEST DATE:	2018-04-18
CUSTOMER REFERENCE NO:	MARS014	PUBLICATION DATE:	2024-05-06
DOCUMENT NO.	IKO-MARS-1	REVISION NO.	3
TEST PANEL NO.	SFS-D3	REEVALUATION DATE:	2027-05-06
SYSTEM TYPE:	C-2		

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY		
PERFORMANCE ⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
	88 psf (4.2 kPa)	58 psf (2.8 kPa)

COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
MEMBRANE ⇒	Innovi™ TPO, min. nominal 45-mil	Induction welded
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	<p>Topmost layer mechanically attached: InnovFast Heavy Duty (HD) Fastener with InnovWeld TPO Induction Plate or SFS Group USA “Dekfast DF-#15-PH3” with “isoweld F1-P-6.8-TPO Plate” 2x2 ft grid pattern, staggered [~4 ft² (0.37 m²) per fastener]</p>
VAPOUR BARRIER ⇒	None	N/A
THERMAL BARRIER (OPTIONAL) ⇒	Any type or thickness acceptable to the Authority Having Jurisdiction	Loose-laid, adhered or mechanically-attached
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.	
FASTENER POINT-LOAD ⇒	350 lbf (1,557 N)	

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

CUSTOMER:	IKO Industries, LTD.	PUBLICATION DATE:	2024-05-06
CUSTOMER REFERENCE NO.	MARS014	REVISION NO.	3
DOCUMENT NO.	IKO-MARS-1	REEVALUATION DATE:	2027-05-06
TEST PANEL NO.	SFS-D3		


NEMO|etc.®

Page 2 of 2

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:
2020-12-30	FINAL	Data from 4i-IKO-20-SSCRT and 2-SFS-18-001	RN
2021-06-21	R1	Re-evaluation; revisions per Customer request	RN
2021-06-25	R2	Add Customer Reference No., correct typos, add "IKO approved" for thermal barrier	RN
2024-05-06	R3	Re-examination / renewal	RN

This report and the data contained therein is the sole property of NEMO|etc. and the named Customer. This report shall not be reproduced outside NEMO|etc. except by the named Customer without written permission by the named Customer, in which case the report shall be reproduced in its entirety.

END OF REPORT