

**NEMO|etc.**353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER

EVALUATE

TEST


CONSULT

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

CLIENT:	DURO-LAST, INC.	TEST DATE:	2019-06-05
DOCUMENT NO.	DL-MARS-14	PUBLICATION DATE:	2021-01-11
TEST PANEL NO.	DL-D2	REVISION NO.	0
SYSTEM TYPE:	C-2	REEVALUATION DATE:	2024-06-05

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (with SF of 1.5)
	150 psf (7.2 kPa)	100 psf (4.8 kPa)

COMPONENT	ALLOWABLE PRODUCTS	BY
MEMBRANE⇒	Duro-Last membrane (min. 40-mil), Duro-Last EV membrane (min. 50 mil) or Duro-Tuff membrane (min. 50-mil)	Duro-Last, Inc.
ATTACHMENT:	induction welded using induction welding tool in accordance with the manufacturer's published instructions	
INSULATION, TOP LAYER⇒	min. 1-inch thick thick Duro-Guard ISO II-H, Duro-Guard ISO II-G, Duro-Guard ISO II-A, Duro-Guard ISO III-H or Duro-Guard ISO III-A	Duro-Last, Inc.
ATTACHMENT:	Mechanically attached; 12 x 24-inch staggered grid pattern (~1 per 2 ft ²)	
	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Bond ISO WELD 1302-1 plates, Duro-Bond Plate 1302 or Duro-Bond PVC IW Plates	Duro-Last, Inc.
	Dekfast™ #15 Fasteners and isoweld® Plate – PVC	SFS intec
	OMG XHD screw with RHINO BOND Insulation Plate (PVC)	OMG, Inc.
	Trufast #15 EHD with Trufast PVC IW Plate	Altenloh, Brinck & Co., U.S., Inc.

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

CLIENT:	DURO-LAST, INC.	PUBLICATION DATE:	2021-01-11
DOCUMENT NO.	DL-MARS-14	REVISION NO.	0
TEST PANEL NO.	DL-D1		

Page 2 of 2


NEMO|etc.

COMPONENT	ALLOWABLE PRODUCTS	BY
INSULATION, BASE LAYER⇒	One or more layer(s), min. 1-inch thick thick Duro-Guard ISO II-H, Duro-Guard ISO II-G, Duro-Guard ISO II-A, Duro-Guard ISO III-H or Duro-Guard ISO III-A	Duro-Last, Inc.
ATTACHMENT:	Loose-laid	
VAPOUR BARRIER⇒	(Optional) Duro-Blue	Duro-Last, Inc.
ATTACHMENT:	loose-laid with taped joints	
THERMAL BARRIER⇒	(Optional) Thermal barrier of any approved type or thickness	Various
ATTACHMENT:	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 40 ksi (275 MPa), or alternate steel deck providing the fastener withdrawal resistance noted below	Various
FASTENER POINT-LOAD⇒	300 lbf (1334 N)	

NEMO ETC CREDENTIALS

TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	TL-689
TAS 301 Certification	Miami-Dade	17-1214.02
Third Party Test Data Program	UL, LLC	DA2862
Test Lab Listing	Roofing Contractors Association of British Columbia	www.rcabc.org

REPORT HISTORY

DATE	EVENT	NOTES	AUTHORIZED BY:
2021-01-11	FINAL	None	RN

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

END OF REPORT