

**Nemo|etc.**

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ENGINEER

EVALUATE

TEST

CONSULT

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

CLIENT:	DURO-LAST ROOFING	TEST DATE:	2022-02-09
DOCUMENT NO.	DL-MARS-16	PUBLICATION DATE:	2022-02-22
TEST PANEL NO.	DL-D5	REVISION NO.	0
SYSTEM TYPE:	C-2	REEVALUATION DATE:	2025-02-08

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

PERFORMANCE ⇨	PASSING PRESSURE	WIND UPLIFT RESISTANCE (WITH SF OF 1.5)
	60 psf (2.9 kPa)	40 psf (1.9 kPa)

COMPONENT	ALLOWABLE PRODUCTS			BY
MEMBRANE ⇨	Duro-Last, Duro-Last EV or Duro-Tuff			Duro-Last
ATTACHMENT:	Induction welded to plates noted below in accordance with plate-manufacturer's published instructions			
	2-in. long Duro-Last #15 EHD Drill Point Fasteners with plate options noted below. Fasteners installed through stress plates to engage the OSB coverboard in a 2x2 ft grid pattern (1 per 4 ft ²)			Duro-Last
	MEMBRANE	THICKNESS	PLATE OPTIONS	
	Duro-Last	Min. 40-mil	Duro-Bond Plate 1302 or Duro-Bond PVC IW Plate	
	Duro-Last	Min. 60-mil	Duro-Bond ISO WELD 1302-1	
	Duro-Last EV	Min. 50-mil	Duro-Bond Plate 1302, Duro-Bond ISO WELD 1302-1 or Duro-Bond PVC IW Plate	
	Duro-Tuff	Min. 50-mil	Duro-Bond Plate 1302, Duro-Bond ISO WELD 1302-1 or Duro-Bond PVC IW Plate	
	FASTENER POINT-LOAD: 240 lbf (1067 N)			
COVERBOARD ⇨	23/32-in. TECO rated, Exposure 1, PS-2 OSB			
ATTACHMENT:	Millennium One Step Foamable Adhesive, continuous ribbons, max. 12-in. o.c.			H.B. Fuller Company
INSULATION ⇨	Two (2) or more layers, min. 4-in. PlastiSpan, Type 1. Boards installed with staggered joints.			Plasti-Fab, Ltd
ATTACHMENT:	Millennium One Step Foamable Adhesive, continuous ribbons, max. 12-in. o.c.			H.B. Fuller Company
VAPOUR BARRIER ⇨	Duro-Last Vapor Barrier			Duro-Last
ATTACHMENT:	Self-adhering			
PRIMER ⇨	Duro-Last VB Primer			Duro-Last
RATE:	0.5 gal/square			
BARRIER BOARD: ⇨	0.75-in. Structural Panel Concrete Roof Deck			USG Corporation
ATTACHMENT:	Millennium One Step Foamable Adhesive, continuous ribbons, max. 6-in. o.c.			H.B. Fuller Company

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

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COMPONENT	ALLOWABLE PRODUCTS	BY
DECK ⇨	Min. 22 ga., type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a min. yield strength of 550 MPa (80 ksi)	Various

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	www.rcabc.org

REPORT HISTORY

DATE	EVENT	NOTES	AUTHORIZED BY:
2022-02-22	FINAL issued	None	RN

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END OF REPORT