

**Nemo|etc.**353 Christian Street, Unit #13
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(203) 262-9245

ENGINEER

EVALUATE

TEST

CONSULT

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

| | | | |
|----------------|-----------------|--------------------|------------|
| CLIENT: | DURO-LAST, INC. | TEST DATE: | 2017-06-28 |
| DOCUMENT NO. | DL-MARS-6 | PUBLICATION DATE: | 2022-07-12 |
| TEST PANEL NO. | DRL-D1C | REVISION NO. | 1 |
| SYSTEM TYPE: | D-1 | REEVALUATION DATE: | 2025-07-12 |

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

| PERFORMANCE⇒ | PASSING PRESSURE | WIND UPLIFT RESISTANCE (with SF of 1.5) |
|--------------|------------------|--|
| | 64 psf (3.1 kPa) | 43 psf (2.1 kPa) |

| COMPONENT | ALLOWABLE PRODUCTS | BY |
|------------------------|---|-----------------|
| MEMBRANE⇒ | Duro-Tuff, min. nominal 50-mil | Duro-Last, Inc. |
| ATTACHMENT: | Mechanically attached, 12-inch o.c. within 6-inch wide side laps spaced 54-inch o.c. Side laps sealed with 1.5-inch wide heat weld | |
| | Duro-Last #15 Extra Heavy Duty with Duro-Last Poly-Plates or Duro-Last Cleat-Plates | Duro-Last, Inc. |
| INSULATION, TOP LAYER⇒ | Min. 0.5-inch DURO-GUARD EPS FAN FOLD or 3/8-inch DURO-GUARD XPS FAN FOLD | Duro-Last, Inc. |
| ATTACHMENT: | Mechanically attached; 1 per 5.3 ft ² ; 6 parts per 4x8 ft board | |
| | Duro-Last #14 Heavy Duty with Duro-Last 3-inch Metal Plates | Duro-Last, Inc. |
| EXISTING ROOF⇒ | Existing four-ply built-up roof (BUR) with gravel | N/A |
| DECK⇒ | Existing 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), minimum 19/32-inch APA rated CDX plywood or alternate steel or plywood wood deck providing the fastener withdrawal resistance noted below | Various |
| FASTENER POINT-LOAD⇒ | Insulation Fasteners: 339 lbf (1508 N) Membrane Fasteners: 288 lbf (1281 N) | |

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**NEMO|etc.****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: |
|------------|-----------------|-------|----------------|
| 2021-01-11 | FINAL | None | RN |
| 2022-07-12 | RE-EVALUATION 1 | None | RN |

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