



TGIK.R10128 Roofing Systems, Uplift Resistance

[Page Bottom](#)

Roofing Systems, Uplift Resistance

[See General Information for Roofing Systems, Uplift Resistance](#)

DURO-LAST INC
525 W MORLEY DR
SAGINAW, MI 48601 USA

R10128

SINGLE PLY MEMBRANE SYSTEMS

1. **Uplift Resistance** — 150 psf.

Deck: — Steel, min No. 22 MSG.

Insulation: — UL Classified polyisocyanurate, EPS, wood fiber or perlite, any combination, any thickness.

Membrane: — Duro-Last (PVC) mechanically fastened with No. 14 self-drilling steel screws through min 2 in. diam plastic plates with pointed underside. Fasteners are located 12 in. OC max along tab of factory weld seam in rows spaced 27 in. OC max.

2. **Uplift Resistance** — 90 psf.

Deck: — Steel, min 22 MSG.

Insulation: — UL Classified polyisocyanurate, EPS, wood fiber or perlite, any combination, any thickness.

Membrane: — Duro-Last (PVC) mechanically fastened with No. 14 self-drilling steel screws through min 2 in. diam plastic plates with pointed underside. Fasteners are located 12 in. OC max along tab of factory weld seam in rows spaced 57 in. OC max.

3. **Uplift Resistance** — 60 psf.

Deck: — Steel, min 22 MSG.

Insulation: — UL Classified polyisocyanurate, EPS, wood fiber or perlite, any combination, any thickness.

Membrane: — Duro-Last (PVC) mechanically fastened with No. 14 self-drilling steel screws through min 2 in. diam plastic plates with pointed underside. Fasteners are located 18 in. OC max along tab of factory weld seam in rows spaced 57 in. OC max.

4. **Uplift Resistance** — 120 psf.

Deck: — 22 MSG (min).

Insulation: — "ACFoam II", min 2 in. thick.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diam, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal.

5. **Uplift Resistance** — 150 psf.

Deck: — 22 MSG (min).

Insulation: — "ACFoam II", min 3 in. thick.

Barrier Board: — G-P Gyusum DensDeck®, 1/4 in. thick minimum.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diam, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal. When Barrier Board is used, "Duro-Last WB Adhesive", 120 ft²/gal. may be used.

6. **Uplift Resistance** — 165 psf.

Deck: — 22 MSG (min).

Air Barrier: — 6 mil (min) polyethylene.

Insulation: — "ACFoam II", min 3 in. thick.

Barrier Board: — G-P Gyusum DensDeck®, 1/4 in. thick minimum.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diam, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal. When Barrier Board is used, "Duro-Last WB Adhesive", 120 ft²/gal. may be used.

7. **Uplift Resistance** — 165 psf.

Deck: — 22 MSG (min).

Insulation (Optional): — Any UL Classified, 2 in. max.

Barrier Board: — APA Rated OSB sheathing, 7/16 in. thick min.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diam, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal.

8. **Uplift Resistance** — 210 psf.

Deck: — 22 MSG (min).

Air Barrier: — 6 mil (min) polyethylene, loose-laid.

Insulation (Optional): — Any UL Classified, 2 in. max.

Barrier Board: — APA Rated OSB sheathing, 7/16 in. thick min.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diam, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal or "Duro-Last WB Adhesive", 120 ft²/gal.

9. **Uplift Resistance** — 180 psf.

Deck: — 22 MSG (min).

Insulation (Optional): — Any UL Classified, 2 in. max.

Barrier Board: — APA Rated, Grade B-C plywood, 15/32 in. thick min.

Fasteners: — Tru Fast #15 XHD with ITW-Buildex 3 in. sq, No. 26 MSG formed galvalume steel recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal or "Duro-Last WB Adhesive", 120 ft²/gal.

10. **Uplift Resistance** — 225 psf.

Deck: — 22 MSG (min).

Air Barrier: — 6 mil (min) polyethylene, loose-laid.

Insulation (Optional): — Any UL Classified, 2 in. max.

Barrier Board: — APA Rated, Grade B-C plywood, 15/32 in. thick min.

Fasteners: — Tru Fast #15 XHD with ITW-Buildex 3 in. sq, No. 26 MSG formed galvalume steel recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal or "Duro-Last WB Adhesive", 120 ft²/gal.

11. **Uplift Resistance** — 210 psf.

Deck: — 22 MSG (min).

Air Barrier: — 6 mil (min) polyethylene.

Insulation (Optional): — Any type, 2 in. max.

Barrier Board: — APA Rated, Grade B-C plywood, 15/32 in. thick min.

Fasteners: — Tru Fast #15 XHD with ITW-Buildex 3 in. sq, No. 26 MSG formed galvalume steel recessed plates. One fastener every 1.6 sq ft.

Membrane: — "Duro-Last" (PVC), min 40 mil, fully adhered with "Duro-Last SB Adhesive", 65 ft²/gal or "Duro-Last WB Adhesive", 120 ft²/gal.

INSULATION ADHESIVE

1. **Uplift Resistance** — 120 psf.

Deck: — Steel, min 22 MSG.

Barrier Board: — G-P Gypsum DensDeck®, 1/2 in. thick, adhered to the steel deck with "DURO-GRIP™ CR-20" adhesive, approximately 1/2 gal/sq, applied to every other crest (12 in. OC).

Insulation: — One layer Atlas Roofing "ACFoam II", 1-1/2 in. thick, adhered to the DensDeck® with "DURO-GRIP™ CR-20" adhesive, approximately 1/2 gal/sq, applied in ribbons spaced a max of 12 in. OC.

Insulation: — Any UL Classified high density wood fiberboard, min 1-1/2 in. thick, adhered to the insulation with "DURO-GRIP™ CR-20" adhesive, approximately 1/2 gal/sq, applied in ribbons spaced a max of 12 in.

Roof Covering: — Any UL Classified hot mopped built-up or torch applied modified bitumen membrane system or hot mopped built-up system (See Roofing Systems, TGFU).

SINGLE PLY MEMBRANE SYSTEMS

1. **Uplift Resistance** — 105 psf.

Deck: — Steel, min 22 MSG.

Insulation: — One layer Atlas Roofing "ACFoam II", 1-1/2 in. thick, adhered to the steel deck with "" DURO-GRIP [f]"" adhesive, approximately 1/2 gal/sq, applied to every other crest (12 in. OC).

Insulation: — One layer Atlas Roofing "ACFoam II", 1-1/2 in. thick, adhered to the first layer of insulation with "" DURO-GRIP [f]"" adhesive, approximately 1/2 gal/sq, applied in ribbons spaced a max of 12 in.

Membrane: — Firestone "Standard RubberGard" EPDM, 45 mil, fully adhered to the insulation with Firestone "BA-2004 Bonding Adhesive", 45-60 sq ft/gal.

SINGLE PLY MEMBRANE SYSTEMS

1. Uplift Resistance — 120 psf.

Deck: — 22 MSG (minimum).

Insulation: — "ACFoam II", minimum 2 in. thick.

Fasteners: — Tru Fast #15 XHD with Construction Fasteners 2-7/8 in. diameter, No. 26 MSG formed galvanized steel hexagonal recessed plates. One fastener every 2 sq ft.

Membrane: — "Duro-Last" (PVC), minimum 40 mil, fully adhered with "SB IV Adhesive", 65 ft²/gal.

Last Updated on 2012-04-11

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2015 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2015 UL LLC".