

Roofing Systems, Uplift Resistance

COMPANY

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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) or "Duro-Last X", 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) or "Duro-Last X" 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) or "Duro-Last X" 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 Ô"" 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 Ô"" 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

Last Updated on 2023-12-06

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