

TGIK.R13231 - Roofing Systems, Uplift Resistance

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BITEC INC

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R13231

SINGLE PLY MEMBRANE SYSTEMS

1. Uplift Resistance: 120 psf.

Deck: — Minimum 15/32 in. thick APA rated sheathing, 32/16.

Base Sheet: — One ply Type G2 "Glasbase", "FS-2H", "Imperflex MSA", "Imperflex USA", "DEFEND", "MAT-40" or "UDL-40" mechanically attached to deck with steel cap-nails. Cap 1 in. diam, 0.032 in. thick with annular ring shanked nail 0.120 in. diam, 1-1/2 in. long. Nails spaced 7-1/2 in. OC along 4 in. side lap and 12 in. OC in two interior rows located 11 in. from exposed edges of side laps.

Membrane: — "APM-4T", "APM-4.5T", "APS-4T", "SPM-4.5T", "Elastoplan 250 G/P", "ISA-4T" or "Mineral Design MDA", heat fused. "SFM-3.5H", "SFM-3.5H-FR", "SFM-4H-FR", "SPM-3.5H", "Elastoplan 180 G/S" or "Mineral Design MDS", hot mopped.

2. Uplift Resistance: 105 psf.

Deck: — Min 15/32 in. APA rated sheathing, 32/16 or nom 2 in. by 6 in. wood planking.

Insulation: — Any polyisocyanurate, perlite or wood fiber, any thickness.

Base Sheet: — One ply Type G2 "Glasbase", "FS-2H", "Imperflex MSA", "Imperflex USA", "DEFEND", "MAT-40" or "UDL-40" mechanically attached to deck with annular ring shanked nails 0.148 in. diam used with a separate 3 in. diam, 0.021 in. thick formed disc. Nails spaced 7-1/2 in. OC along 4 in. side lap and 12 in. OC in two interior rows located 11 in. from exposed edges of side laps. Nails to penetrate plywood min 1/2 in. and wood planking min 1 in.

Membrane: — "APM-4T", "APM-4.5T", "APS-4T", "SPM-4.5T", "Elastoplan 250 G/P", "ISA-4T" or "Mineral Design MDA", heat fused. "SFM-3.5H", "SFM-3.5H-FR", "SFM-4H-FR", "SPM-3.5H", "Elastoplan 180 G/S" or "Mineral Design MDS", hot mopped.

As an alternate for fastening to plywood, No. 12-12.5, No. 3 phillip drive, trusshead or 1/4 in. hex-washer-head coated steel screws may be used with the same pressure plate and spacing as for nails. Screws to penetrate plywood min 1/2 in.

As an alternate for fastening to wood planking, No. 14-10, No. 3 phillips drive, trusshead or 1/4 in. hex-washer-head coated steel screws may be used with the same pressure plate and spacing as for nails. Screws to penetrate planking min 1 in.

3. Uplift Resistance: 135 psf.

Deck: — Minimum 15/32 in. thick Type B-C rated plywood sheathing.

Insulation: — Polyisocyanurate, perlite or wood fiber, any thickness.

Barrier Board: — Minimum 1/2 in. thick G-P Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck Prime 2™ Roofboard" or "DensDeck DuraGuard® Roofboard" or Certainteed Gypsum Inc "GlasRoc" or USG Corp. SECUROCK® Glass-Mat Roof Board (Type SGMRX)".

Fasteners: — No 14 threaded screws with min. 3 in. diameter, 0.021 in thick galvanized steel round plates, min. 1 fastener per 1 square foot.

Base Sheet: — One ply Type G2 base sheet, fully adhered.

Membrane: — "APM-4T", "APM-4.5T", "APS-4T", "SPM-4.5T", "Elastoplan 250 G/P", "ISA-4T" or "Mineral Design MDA", heat fused. "SFM-3.5H", "SFM-3.5H-FR", "SFM-4H-FR", "SPM-3.5H", "Elastoplan 180 G/S" or "Mineral Design MDS", hot mopped or adhered with cold applied adhesive.

4. Uplift Resistance: 120 psf.

Deck: — Steel, min 22 MSG.

Insulation: — Polyisocyanurate, perlite or wood fiber, any thickness.

Barrier Board: — Minimum 1/2 in. thick G-P Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck Prime 2™ Roofboard" or "DensDeck DuraGuard® Roofboard" or Certainteed Gypsum Inc "GlasRoc" or USG Corp. SECUROCK® Glass-Mat Roof Board (Type SGMRX)".

Fasteners: — No 14 threaded screws with min. 3 in. diameter, 0.021 in thick galvanized steel round plates, min. 1 fastener per 1 square foot.

Base Sheet: — One ply Type G2 base sheet, fully adhered.

Membrane: — "APM-4T", "APM-4.5T", "APS-4T", "SPM-4.5T", "Elastoplan 250 G/P", "ISA-4T" or "Mineral Design MDA", heat fused. "SFM-3.5H", "SFM-3.5H-FR", "SFM-4H-FR", "SPM-3.5H", "Elastoplan 180 G/S" or "Mineral Design MDS", hot mopped or adhered with cold applied adhesive.

5. Uplift Resistance: 225 psf.

Deck: — Concrete (cellular, gypsum, vermiculite, perlite or structural).

Insulation: — Polyisocyanurate, perlite or wood fiber, any thickness, adhered with ADCO "Millenium One Step" adhesive.

Barrier Board: — Minimum 1/2 in. thick G-P Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck Prime 2™ Roofboard" or "DensDeck DuraGuard® Roofboard" or Certainteed Gypsum Inc "GlasRoc" or USG Corp. SECUROCK® Glass-Mat Roof Board (Type SGMRX)", adhered with ADCO "Millenium One Step" adhesive.

Base Sheet: — One ply Type G2 base sheet, hot mopped, or adhered with cold applied adhesive.

Membrane: — "APM-4T", "APM-4.5T", "APS-4T", "SPM-4.5T", "Elastoplan 250 G/P", "ISA-4T" or "Mineral Design MDA", heat fused or "SFM-3.5H", "SFM-3.5H-FR", "SFM-4H-FR", "SPM-3.5H", "Elastoplan 180 G/S" or "Mineral Design MDS", hot mopped or adhered with cold applied adhesive.

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