



FACTORY MUTUAL

CODE APPROVALS

ROOF COVER

150 E, 250E, Hyload SAM, Hyload WS 75, Hyload WS 90

Kwik Ply Black, PMVB, Alproof 150, Alproof CP, Alpsam,

Alpsam WS, Kwik Ply White

DECK

Steel, Structural Concrete, Recover

COATING

Gravel at 400 lb/sq (19.5 kg/m²) applied in a flood coat of hot

asphalt applied at 40-50 lb/sq (2.0-2.4 kg/m²) (optional)

LAPS

4 in. (102 mm) wide

APPLICATION

Adhered with hot asphalt. Hyload SAM, Hyload WS, Kwik Ply Black, PMVB, Alpsam, Alpsam WS, Kwik Ply White may be selfadhered to a base sheet primed with Karnak No. 102 primer roller applied at 100-200 ft²/gal (2.5-4.9 m²/L).

VAPOR RETARDER

(concrete only): HyBase SAM VRWS 60, Hybase SAM VRWS 50, HyBase SAM VR

BASE SHEET

Perma-Ply R, Perma-Ply 28, Glas Base, Ventsulation, Dynabase, Channel Vent GB, Hydrostop Base Ply, #75 Base Sheet, GafGlas Ply 4, Stratavent Eliminator Venting Base Sheet (Nailable)

HAIL RATING

Class 1-SH

ASTM E108

Class A noncombustible deck at 3 in 12 slope



CONSTRUCTION #1

Steel, Concrete. Min 1 in. (25 mm) thick ConPerl, GAFTEMP Permalite, Permalite or Fesco Board is secured to the deck with fasteners applied at 2 ft² (0.19 m²) max contributory area per fastener. One or two plies of the above listed base sheet are adhered with hot asphalt. The appropriate cap sheet is then adhered or self-adhered to the base sheet. Meets Class 1-90.

FASTENERS:

1) Dekfast Stainless Steel with 3 in. Round plast; #12, #14 Dekfast or Omega with Hex Plate, Dekfast Autoset Plast; HWH Dekfast with #12 Hex Plate. 2) AccuTrac or Hextra with Recessed or AccuTrac: #12, 1/4 in., #14-10 or #15 Roofgrip with Recessed or Flat Bottom. 3) Olympic #10, Olympic Standard, Olympic Heavy Duty, Stainless #12, Hex Head #12, #14, Iron- Lok or Strap Toggle with Standard or G-2 plate; Olympic Standard or Olympic Heavy Duty with LGP. 4) Tru-Fast TP, DP Ultra S.S., HD, DP-H or DL with MP-3 plate.

CONSTRUCTION #2

Steel, Concrete. Min 1.2 in. (33 mm) thick AC Foam-II, HyTherm AP, Hy-Tec, Pyrox, E'NRG'Y 2, Therमारoof TR28 FM, Paratherm Glass FM or Multi-Max FA insulation is loose laid onto the deck and then followed by the perlite and roof cover system as in Construction #1. Meets Class 1-90.

CONSTRUCTION #3

Concrete. PMVB, HyBase SAM VRWS 60, HyBase SAM VRWS 50 or HyBase SAM VR vapor retarder is self-adhered or one ply of perforated 15# organic felt base sheet is adhered with hot asphalt to a primed concrete deck. One or two plies of a base sheet listed above are adhered with hot asphalt to the base sheet or vapor retarder. Optional min 3/4 in. (19 mm) thick perlite as shown in Construction #1 or 1/2 in. (13 mm) thick Armor Board High Density: BP High Strength: FM-90 Traffic Top/High Density; ERS Redi-Deck; Fiber Top C, E, S: GAFTEMP High Density; Roof Insulation Board, High Density Fiberboard; Fiber Base HD1, HD6 followed by one or two plies of a base sheet listed above are then fully adhered with hot asphalt to the base sheet. The appropriate cap sheet is fully adhered with hot asphalt or self-adhered to the base sheet Meets Class 1-90.

CONSTRUCTION #4

Recover. Max 1 in. (25 mm) thick perlite as listed in Construction #1 or wood fiber as listed in Construction #3 is mechanically fastened to the deck as in Construction #1 or fully adhered with hot asphalt. Roof cover system as in Construction #1 follows. Meets Class 1-90.

CORPORATE HEADQUARTERS

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