Five-Ply Hot Mopped Modified Bitumen Mineral-Surfaced Roofing System. For use over approved lightweight, insulating fill decks on inclines up to 3" per ft (250 mm/m).

Materials per 100 ft² (9.29 m²) of roof area

Sheathing Paper: Wood board decks only 1 layer

Felts:
Base: Ventsulation Felt Felt, GlasBase Plus, DynaBase or PermaPly 281 layer Intermediate: GlasPly Premier or GlasPly IV 3 layers

Cap: ♦
5CLD—DynaKap T1 or DynaKap FR T1
5FLD—DynaGlas, DynaGlas FR or DynaGlas 30 FR
5PLD—DynaLastic 180, DynaLastic 180 FR, DynaLastic 250 or DynaLastic 250 FR 1 layer

Asphalt: Trumbull® or other JM-approved asphalt
Incline per foot Asphalt Total Weight
Up to ½” (41 mm/m) 190°F (88°C), Type III, Steep 92 lb (42 kg)
½” to 3” (41 to 250 mm/m) 220°F (104°C), Type IV, Special Steep 92 lb (42 kg)

Approximate installed weight: 195 - 410 lb (88 - 186 kg).

General
This specification is for use over any type of approved, lightweight, insulating fill deck (without insulation) which can receive and adequately retain mechanical fasteners that may be recommended by the deck manufacturer. Examples of these decks are lightweight, insulating concrete, either cellular-type or aggregate-type. Ventsulation venting base felt is recommended over any wet fill deck, and may be required as a condition of guarantee. JM also recommends the use of FP-10 One-Way Roof Vents over some types of wet fill decks.

Design and installation of the deck and/or roof substrate must result in the roof draining freely, to outlets numerous enough and so located as to remove water promptly and completely. Areas where water ponds for more than 24 hours are unacceptable and will not be eligible for a JM Peak Advantage Guarantee.

Note: All general instructions contained in the current JM Commercial/Industrial Roofing Systems Manual shall be considered part of this specification.

Flashings
Flashings details can be found in Section 3 of the JM Commercial/Industrial Roofing Systems Manual.

Application
On roof decks with slopes up to ½” per ft (41 mm/m), the roofing felts and modified bitumen sheets may be installed either perpendicular or parallel to the roof incline.

Using GlasBase Plus, Ventsulation Felt or PermaPly 28 start with an 18” (457 mm) wide piece (a specific base sheet may be a condition of Guarantee). The following base sheet courses are to be applied full width, lapping the preceding felt 2” (51 mm) on the side laps and 4” (102 mm) on the end laps. Nail the side laps 9” (229 mm) o.c. Down the longitudinal laps for DynaLastic products). Apply a full width piece of one of the cap sheets listed into a full mopping of asphalt. Subsequent sheets are to be applied in the same manner, with 4” (102 mm) side and end laps over the preceding sheets (6” [152 mm] end laps for DynaLastic products).

Apply all felts so that they are firmly and uniformly set, without voids, into the hot asphalt. Subsequent sheets are to be applied in the same manner, with 4” (102 mm) side and end laps over the preceding sheets (6” [152 mm] end laps for DynaLastic products).

Apply all felts so that they are firmly and uniformly set, without voids, into the hot asphalt. Asphalt temperature should be at the Equiviscous Temperature (EVT), ±25°F (±14°C), at the point of application. All felt edges shall be well sealed. The asphalt shall be applied just before the felt at a nominal rate of 23 lb/100 ft² (11 kg/9.29 m²) over the entire surface. Installation over porous substrates such as roof insulation may require up to 33 lb/100 ft² (16 kg/9.29 m²) of hot bitumen.

Apply a full width piece of one of the cap sheets listed into a full mopping of asphalt. Subsequent sheets are to be applied in the same manner, with 4” (102 mm) side and end laps over the preceding sheets (6” [152 mm] end laps for DynaLastic products).

For cold weather application techniques, refer to Paragraph 24.0 of Section 3d.

Cap sheets with polyester reinforcement must be allowed to relax in an unrolled position prior to installation.

Steep Slope Requirements
Special procedures are required on inclines over ½” per foot (41 mm/m). Refer to Paragraph 21.0 of Section 3d.

Surfacing
No additional surfacing is required.

Asphalt
Asphalt should meet the requirements of ASTM D 312.

JM guarantees require the use of Trumbull® asphalt or another JM-approved asphalt.

Note: For the most current information on general guidelines, please refer to the System Considerations tab under Systems Introduction & Selection on the JM Roofing Web site. For specifications, flashing details and general installation information please refer to the System Application tab.

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