Three-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

Felts:
Base: Ventilation Felt, GlasBase Plus, DynaBase or PermaPly 28 1 layer
Intermediate: DynaBase, DynaPly T1, GlasBase Plus,
GlasPly Premier, GlasPly IV, PermaPly 28 or DynaLastic 180 S 1 layer
Note: DynaBase, DynaLastic 180 S and DynaPly T1 – Full sheet width is 39 5/8” (1 m)
GlasBase Plus, GlasPly IV, GlasPly Premier, PermaPly 28 and Ventilation Felt –
Full sheet width is 36” (0.92 m)

Cap: ♦
3CLD CR—DynaKap FR T1 CR
3FLD CR—DynaGlas FR CR
3PLD CR—DynaLastic FR CR

Asphalt: Trumbull® or other JM-approved asphalt
Inclined per foot Asphalt Total Weight
Up to ½” (41 mm/m) 190°F (88°C), Type III, Steep 46 lb (21 kg)
½” to 3” (41 to 250 mm/m) 220°F (104°C), Type IV, Special Steep 46 lb (21 kg)

Approximate installed weight: 165 - 360 lb (75 - 163 kg).

Energy and the Environment

<table>
<thead>
<tr>
<th>Solar Reflectance</th>
<th>Initial</th>
<th>3-Yr. Aged</th>
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<tbody>
<tr>
<td>Thermal Emittance</td>
<td>0.76</td>
<td>0.61</td>
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Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating normal procedures.

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 one of the base felts listed, start with a piece ½” sheet wide. The remaining felts are to be applied full width with 3” (76 mm) side and 4” (102 mm) end laps over the preceding sheets. Nail the laps at 9” (229 mm) centers. Use nails or fasteners appropriate to the type of deck, with 1” (25 mm) minimum diameter caps. Consult the current FM Approvals RoofNav for the appropriate base sheet, fastener type and pattern. For additional fastener information, refer to the “Roof Decks” section of the current JM Commercial/Industrial Roofing Systems Manual.

Roll an ½ width piece of one of the intermediate felts listed into a full mopping of asphalt. The remaining felts are to be applied full width, in the same manner, with 3” (76 mm) side and 4” (102 mm) end laps over the preceding sheets.

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). A slop sheet can be positioned upside down, directly over the sheet in the preceding course such that only the side lap area of the preceding sheet is exposed. Asphalt is applied in the same manner as before, making sure to also cover the full width of the lap. This slop sheet can help limit asphalt bleedout onto the white coating.

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). For modified bitumen sheets, the asphalt temperature shall be at a minimum of 400°F (204°C) when the sheet is set into it. This higher temperature maximizes the bonding of the modified bitumen sheet.

* Trumbull is a registered trademark of Owens Corning.

Refer to the Material Safety Data Sheet and product label prior to using this product.
Note: When using metric- and English-sized base and cap sheets in the same system, care must be taken to avoid lap over lap configurations.

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

For cold weather application techniques, refer to Paragraph 24.0 of Section 3d of the JM Commercial/Industrial Roofing Systems Manual.

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

Finishing
It is important to be careful with asphalt when applying the coated SBS sheets on the roof. However, if it is desired to cover the small amount of asphalt that bleeds out of the side or end laps, the laps could be dressed up with coating to give the roof surface a uniform white appearance. This is an optional step and is at the discretion of the building owner, consultant or applicator. JM recommends using a heavy nap roller, in a 4” (102 mm) width, to coat the exposed asphalt with a JM-recommended white acrylic coating.

Asphalt
Asphalt should meet the requirements of ASTM D 312. JM guarantees require the use of Trumbull™ asphalt or another JM-approved asphalt.