**Two-Ply Hot Mopped Modified Bitumen Mineral-Surfaced Roofing System.** For use over Johns Manville (JM) insulation, approved decks or other approved insulations on inclines up to 3” per ft (250 mm/m).

**Materials per 100 ft² (9.29 m²) of roof area**

**Primer (if required):** Asphalt Primer ½ to 1 gal (2 to 4 l)

**Base Felts:**
- DynaBase, DynaPly T1, DynaLastic 180 S, GlasBase Plus, GlasPly Premier, GlasPly IV or PermaPly 28 – Full sheet width is 36” (0.92 m)
- Note: DynaBase, DynaLastic 180 S and DynaPly T1 – Full sheet width is 393⁄8” (1 m)
- GlasBase Plus, GlasPly IV, GlasPly Premier, PermaPly 28 – Full sheet width is 36” (0.92 m)

**Cap:**
- 2CID CR—DynaKap FR T1 CR
- 2FID CR—DynaGlas FR CR
- 2PID CR—DynaLastic 180 FR CR or DynaLastic 250 FR CR – Full sheet width is 36” (0.92 m)

**Asphalt:** Trumbull®* or other JM-approved asphalt

**Incline per foot**

<table>
<thead>
<tr>
<th>Inclination</th>
<th>Asphalt</th>
<th>Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to ½” (41 mm/m)</td>
<td>190°F (88°C), Type III, Steep</td>
<td>46 lb (21 kg)</td>
</tr>
<tr>
<td>½” to 3” (41 to 250 mm/m)</td>
<td>220°F (104°C), Type IV, Special Steep</td>
<td>46 lb (21 kg)</td>
</tr>
</tbody>
</table>

Approximate installed weight: 145 - 255 lb (66 - 116 kg).

**Energy and the Environment**

<table>
<thead>
<tr>
<th>CRRC</th>
<th>Solar Reflectance</th>
<th>Thermal Emittance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial</td>
<td>0.76</td>
<td>0.85</td>
</tr>
<tr>
<td>3-Yr. Aged</td>
<td>0.61</td>
<td>0.92</td>
</tr>
</tbody>
</table>

*Trumbull is a registered trademark of Owens Corning.*

**General**

This specification is for use over any type of approved structural deck which is not nailable and which provides a suitable surface to receive the roof. Poured and precast concrete decks require priming with Asphalt Primer prior to application of hot asphalt.

This specification is also for use over JM roof insulations, or other approved roof insulations which are not nailable and which provide a suitable surface to receive the roof. Specific written approval is required for any roof insulation that is not supplied by JM. Insulation should be installed in accordance with the appropriate JM insulation specification detailed in the JM Commercial/Industrial Roofing Systems Manual. This specification can also be used in certain re-roofing situations. Refer to the “Re-roofing” section of the JM Commercial/Industrial Roofing Systems Manual. This specification is not to be used directly over gypsum, either poured or precast, or lightweight, insulating concrete decks or fills.

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**

Flashing 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.

Roll a ½ width piece of one of the base 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 shall be 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, to the roof incline.

Modified bitumen sheets may be installed either perpendicular or parallel to the roof incline.
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.

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Refer to the Material Safety Data Sheet and product label prior to using this product.