

Three-Ply Heat-Welded Modified Bitumen Mineral-Surfaced Roofing System. For use over Johns Manville (JM) insulation, approved decks or other approved insulations on inclines up to 6" per ft (500 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)

Intermediate Plies:


DynaWeld Base, DynaBase HW, DynaWeld 180 S, DynaWeld 250 S or DynaPly T1 HW 2 layers

Cap Sheet Options:

DynaWeld Cap FR CR, DynaWeld Cap 180 FR CR, DynaWeld Cap 250 FR CR 1 layer

Approximate installed weight: 280 - 300 lb (132 - 142 kg).

Energy and the Environment

 <p>CRRCC COOL ROOF RATING COUNCIL</p>		Initial	3-Yr. Aged
	Solar Reflectance	0.76	0.61
	Thermal Emittance	0.85	0.92
	Rated Product ID	0662-0007	
	Licensed Manufacturer ID	0662	
	Classification	Production Line	
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building construction may vary.</small>			
<small>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating normal procedures.</small>			

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 the first heat-welded modified bitumen ply. this specification is not to be used over poured or pre-cast gypsum decks, lightweight insulating concrete decks or fills without JM insulation.

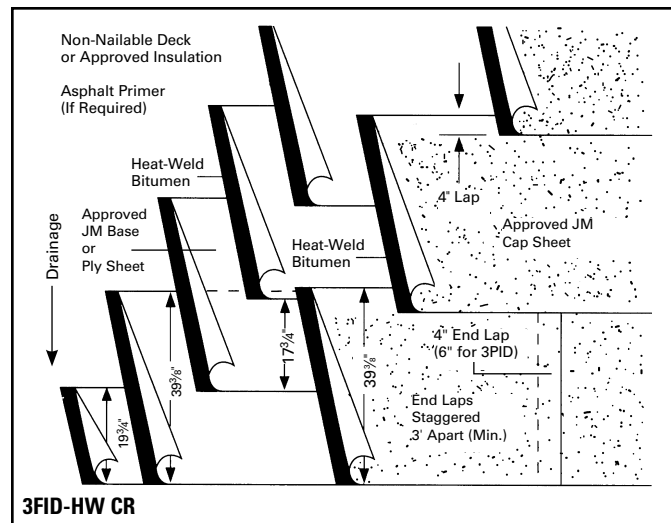
This specification is also for use over JM roof insulations, or other approved roof insulations which are not nailable and which provide a suitable surface to receive the roof. Specific written approval is required for any roof insulation that is not supplied by JM. Insulation should be installed in 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. For heat-weld application directly to the insulation, the top layer of insulation must be JM DuraBoard.

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 1½" per ft (124 mm/m), the roofing felts and modified bitumen sheets may be installed either perpendicular or parallel to the roof incline. Heat weld a 19¾" (502 mm) wide piece of one of the intermediate plies listed. Over that, apply a full width piece. The remaining plies are to be applied full width, overlapping the previous plies by 21¾" (553 mm), so that at least 2 plies cover the substrate at all locations.

Heat weld a full width piece of one of the cap sheets listed over the installed base felt. Subsequent sheets are to be applied in the same manner, with 4" (102 mm) side laps and 6" (152 mm) end laps (for polyester-reinforced products) or 4" (102 mm) end laps (for glass-reinforced products) over the preceding sheet.

Apply all sheets so that they are firmly and uniformly set, without voids. Using a propane torch, apply the flame to the surface of the coiled portion of the roll. Torch across the full width of the roll and along the lap area. As the surface is heated, it will develop a sheen and the burn-off will disappear. The generation of smoke is an indication that the material is being overheated. Repeat the operation with subsequent rolls, maintaining proper side laps and end laps. A healthy compound flow will simplify seaming the laps. This is done by keeping the flame directed at the adhered ply and in front of the roll. All laps must be checked for good adhesion.

Preparation of the 6" (152 mm) end lap (for polyester-reinforced products) or 4" (102 mm) end laps (for glass-reinforced products) of the cap sheet requires scuffing away all loose granules. Heat and embed all remaining granules. Apply heat to the roll being seamed while making sure both have a good compound flow to adhere the two surfaces. End laps must be checked for proper adhesion.

For special precautions for heat-weld applications, see Paragraph 31.0 of Section 3d of the JM Commercial/Industrial Roofing Systems Manual.

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

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



SBS Heat-Weld Specifications 3FID/3PID HW CR (cont'd)

Steep Slope Requirements

Special procedures are required on inclines over 1½" per ft (125 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 scorch marks when applying the coated SBS sheets on the roof. However, if scorch marks are a concern of the building owner, consultant or applicator, then the marks could be dressed up with coating to give the roof surface a uniform white appearance. This is an optional step. JM recommends using a heavy nap roller, in a 4" (102 mm) width, to coat the exposed adhesive with a JM-recommended white acrylic coating.

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.

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