

Three-Ply Heat-Welded Modified Bitumen Mineral-Surfaced Roofing System. For use over approved lightweight insulating fill decks on inclines up to 6" per ft (152 mm/m).

Materials per 100 ft² (9.29 m²) of roof area

Base Ply:

DynaWeld Base, PermaPly 28 or Ventsulation Felt 1 layer

Intermediate Plies:


DynaWeld Base 1 layer

Cap Sheet Options:

DynaWeld Cap FR CR 1 layer

Approximate installed weight: 185 - 270 lb (84 - 122 kg)

Energy and the Environment

 <p>CRRCC COOL ROOF RATING COUNCIL</p>	Solar Reflectance	Initial 0.76	Weathered Pending
	Thermal Emittance	0.85	Pending
	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 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 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.

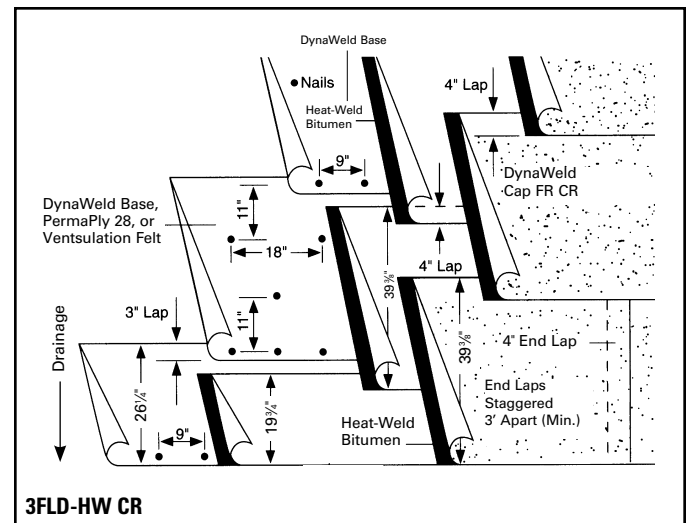
Note: All general instructions contained in the current JM Commercial/Industrial Roofing Systems Manual shall be considered part of this specification.

Flashings

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

Application

Using one of the base plies listed, start with a piece 26¼" (665 mm) wide. The remaining plies are to be applied full width with 3" (76 mm) side and 4" (102 mm) end laps over the preceding sheets. Using an approved lightweight insulating fill fastener, nail the laps at 9" (229 mm) centers, and down the longitudinal center of each felt ply, place two rows of nails, with the rows spaced approximately 11" (279 mm) apart, and nails staggered on approximately 18" (457 mm) centers. Use nails or fasteners appropriate to the type of deck, with 1" (25 mm) minimum diameter caps. For additional fastener information, refer to the "Roof Decks" section of the current JM Commercial/Industrial Roofing Systems Manual.



Over the fastened base ply, heat weld a half width 19¼" (502 mm) piece of one of the intermediate plies listed with 3" (75 mm) side and 4" (102 mm) end laps. The remaining plies are to be full width, heat welded in the same manner, with 4" (102 mm) side and 4" (102 mm) end laps over the preceding sheets. Heat a full width piece of one of the cap sheets listed so that it is firmly and uniformly bonded to the intermediate plies. Subsequent sheets are to be applied in the same manner, with 4" (102 mm) side and 4" (102 mm) end laps over preceding sheets.

Apply all sheets so that they are firmly and uniformly set, without voids. Using a propane torch, apply the flames 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 at 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.

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.

Steep Slope Requirements

Special procedures are required on inclines over 1½" per foot (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.

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