

APP Heat-Weld Specifications 2CIS-W/2PIS-W

Two-Ply Heat-Welded Modified Bitumen Smooth-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)

Base Ply:
TRICOR S*, BICOR S*, APPeX 4S or JM APP Base 1 layer

Cap: ♦
2CIS-W—TRICOR S or BICOR S
2PIS-W—APPeX 4S 1 layer

Surfacing: Coverage*/ 100 ft² (9.29 m²)

Asphalt Emulsion (Formerly TopGard Type B)	3 - 4 gal (11 - 15 l)
TopGard Type A (Aluminum Emulsion)	1½ - 2 gal (6 - 8 l)
Fibrated Aluminum Roof Coating	1½ - 2 gal (6 - 8 l)
TopGard 4000	1 - 2 gal (4 - 8 l)
TopGard 5000	1 - 2 gal (4 - 8 l)
TopGard Base Coat	1 - 2 gal (4 - 8 l)

Approximate installed weight: 135 - 225 lb (61 - 102 kg).

* Coverage rates depend on weather conditions and substrate. Refer to specific code agency Web sites for exact constructions that may require a specific application rate for compliance.

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 precast gypsum decks, lightweight insulating concrete decks or fills without JM insulation.

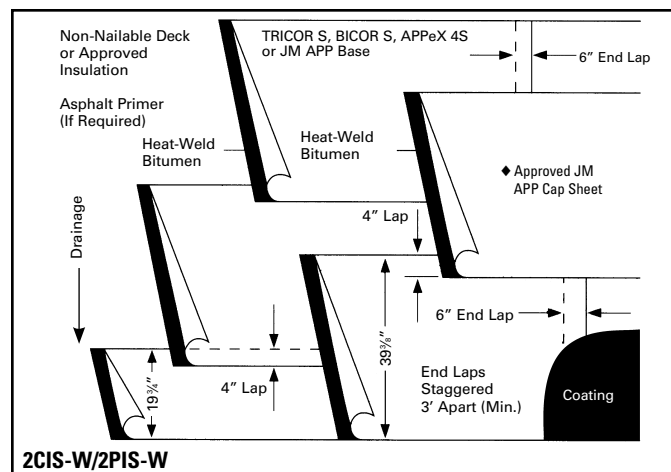
This specification is also for use over JM roof insulations, or other approved roof insulations which are not nailable and which provide a suitable surface to receive the roof. Specific written approval is required for any roof insulation that is not supplied by JM. Insulation shall be installed in accordance 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 applications 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.

Flashings

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

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



Application

Heat weld a 19 1/8" (502 mm) wide piece of one of the base plies listed. The remaining plies are to be applied full width with 4" (102 mm) side and 6" (152 mm) end laps over the preceding sheets.

Heat weld a full width piece of one of the cap sheets listed so that it is firmly and uniformly set. Subsequent sheets are to be applied in the same manner, with 4" (102 mm) side and 6" (152 mm) end laps over the preceding sheets. All laps must be rolled with a 3" (76 mm) rounded edge roller. A 1/8" to 3/8" (3 mm to 10 mm) bleedout of APP compound shall be visible at the edge of all seams. All laps must be checked for good adhesion.

Application of JM APP modified bitumen products may require the use of an open flame propane torch. Improper use of these materials and application equipment can result in severe burns, and/or other physical injury, as well as damage to property. In order to prevent these situations the mechanic must install the materials using the techniques recommended by JM and those found in "A Guide to Safety: Torch-On Modified Bitumens" available from the Asphalt Roofing Manufacturers Association. These techniques have been endorsed by the National Roofing Contractors Association and the United Union of Roofers, Waterproofers and Allied Workers.

For cold weather application techniques, refer to Paragraph 14.0 of Section 3k of the JM Commercial/Industrial Roofing Systems Manual.

Steep Slope Requirements

Special procedures are required on inclines over 2 1/2" per ft (208 mm/m).

Surfacing

Finish the entire membrane surface with a uniform application of the selected coating. The coating chosen will depend on aesthetics and any fire rating or code approval required. Refer to paragraph 9.0 of Section 3b or the installation directions printed on the label for more specific information regarding a particular 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.

* This is a special order product. Contact your JM sales representative about availability and lead time.