Two-Ply Cold Application Modified Bitumen Smooth-Surfaced Roofing System. For use over plywood or other nailable decks on inlines up to 3° per ft (250 mm/m).

Materials per 100 ft² (9.29 m²) of roof area

**Sheathing Paper:**
Wood board decks only 1 layer

**Base Ply:**
TRICOR S*, BICOR S*, JM APP Base or PermaPly 28 1 layer

**Cap:**
TRICOR S or BICOR S 1 layer

**Surfacing:**
- TopGard Type A 1¼ - 2 gal (0.7 - 0.8 l/m²)
- TopGard Type B 2 - 3 gal (0.8 - 1.2 l/m²)
- TopGard 4000 1½ - 2 gal (0.6 - 0.8 l/m²) (over smooth sheets)
- TopGard 5000 1½ - 2 gal (0.6 - 0.8 l/m²) (over smooth sheets)
- TopGard Base Coat 1½ - 2 gal (0.6 - 0.8 l/m²) (over mineral sheets)
- Fibrated Aluminum Roof Coating 2 gal (0.8 l/m²)

Approximate installed weight: 115 - 175 lb (52 - 79 kg).

**General**
This specification is for use over any type of approved structural deck (without insulation) which can receive and adequately retain nails or other mechanical fasteners that are recommended by the deck manufacturer. Examples of these decks are wood, plywood and approved oriented strand board (OSB). This specification is not for use over lightweight insulating concrete decks.

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**
Flashings 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 19¾” (502 mm) wide. The remaining plies are to be applied full width 3” (76 mm) side and 4” (102 mm) end laps over the preceding sheets. Nail the laps at 9” (229 mm) centers, and down the longitudinal center of each felt ply, place two rows of fasteners, with the rows spaced approximately 11” (279 mm) apart, and fasteners 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.

Cap sheet application is accomplished in one of the following ways:

A) Apply a full width piece of one of the cap sheets listed into a full coating of MBR Cold Application Adhesive or MBR Bonding Adhesive. 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.

Or…

B) Apply heat to the 3” (76 mm) side and 6” (152 mm) end lap making sure both have a good compound flow to adhere the two surfaces. All laps must be rolled with a 3” (76 mm) rounded edge roller. A ¼” to ⅜” (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.

Subsequent sheets are to be applied in the same manner.

**Application of JM APP modified bitumen products may require the use of a hot air gun or 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 pf Section 3k.

**Steep Slope Requirements**
Special procedures are required on inclines over 2½° per ft (208 mm/m).

**Surfacing**
Smooth surfaced membranes must be coated with a JM-approved coating. The coating chosen will depend on aesthetics and any fire rating or code approval required.

**Note:** When using metric- and English-sized sheets in the same system, care must be taken to avoid lap over lap configurations.

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

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