Lightweight Insulating Concrete Deck
Cementitious Wood Fiber Deck
Gypsum Deck
Wood Deck

Intermediate Sheet - Cold Applied (Composite Reinforced): BICOR
Intermediate Sheet - Cold Applied (Fiber Glass Reinforced): JM APP
Intermediate Sheet - Cold Applied (Polyester Reinforced): TRICOR
Intermediate Sheet - Heat Welded (Fiber Glass Reinforced): JM APP

Intermediate Sheet - Self Adhered (Fiber Glass Reinforced): JM BaseGrip SD/SA, DynaGrip Base SD/SA

TopGard Reflective Coating System

Assembly Identification

Number of Plies → 3 PMN BW CR

Surfacing
N = APP Cap Sheet (Granule Surface)
S = Smooth
CR = Mineral Surfaced Cool Roof Sheet

Cap Sheet Application Method
CA = Cold Adhesive
HW = Heat Welded

Note: The nailing pattern shown is the minimum allowed pattern

For JM Guarantee Requirements Contact JM Technical Services at (800) 922-5922 Option 3 or Refer to the JM Peak Advantage Charges and Requirements-Multi Ply document
General
This specification is for use over any approved structural deck (without insulation) which can receive and adequately retain nails or other mechanical fasteners that may be recommended by the deck manufacturer and which provides a suitable surface to receive the roof. This specification can also be used in certain re-roofing applications.

Note:
Consider all general instructions contained in the current JM APP Application Guide as part of this specification.

Design
Consider local conditions and characteristics when designing, specifying and installing any roofing system. Information from the Single Ply Roofing Industry (SPRI), Asphalt Roofing Manufacturers Association (ARMA), FM Global and local building codes can provide guidelines for the designer. 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 substantially within 48 hours of a rain event.

Membrane Substrate
The surface on which the APP modified bitumen membrane is to be applied should be an approved structural substrate. The surface must be clean, smooth, flat and dry. APP modified bitumen should not be applied directly to foam plastic insulations.

Flashings and Components
Refer to the JM Bituminous Details in the APP Systems Application Tools.

Deck Preparation
Before roofing work is started, the deck should be carefully inspected by the roofing contractor, the deck contractor, and the owners representative to determine that it will be able to receive the roofing system by some method which will hold the system securely, either by adhesion, ballast, or mechanical fasteners. Refer to the JM Roof Decks document for further information.

Base Sheet Application
Rolling one of the base sheets listed, start with a piece \( \frac{3}{4} \) sheet wide. The remaining sheets are to be applied full width with 4" (102 mm) side and 4" (102 mm) end laps over preceding sheets. Nail per specifications, use nails or fasteners appropriate for the deck type, with 1" (25 mm) minimum diameter caps. Refer to the APP Application Guide for additional information.

Note:
Sheets with polyester reinforcement must be allowed to relax in an unrolled position prior to installation. Allow the membrane to relax for at least 15 minutes when the temperature is above 60°F (16°C) or at least 30 minutes when the temperature is below 60°F (16°C) prior to installation.

Modified Bitumen Sheet Application - Cold Adhesive
Roll a \( \frac{3}{4} \) width piece of one of the intermediate sheets listed over the nailed base sheet into a full coating of MBR Cold Application Adhesive, Premium Cold Application Adhesive, or MBR Bonding Adhesive. The remaining sheets are to be applied full width, in the same manner, with 4" (102 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 coating of MBR Cold Application Adhesive, Premium Cold Application Adhesive, or MBR Bonding Adhesive. The remaining sheets are to be applied in the same manner, with 4" (102 mm) side laps and 1" (25 mm) end laps over preceding sheets. Apply all sheets so that they are firmly and uniformly set, without voids. Refer to the APP Application Guide for further information.

Modified Bitumen Sheet Application - Heat Welded
Heat Weld a \( \frac{3}{4} \) width piece of one of the intermediate sheets listed over the nailed base sheet. The remaining sheets are to be applied full width, in the same manner, with 4" (102 mm) side and 4" (102 mm) end laps over the preceding sheets.

Starting at the low point of the roof, heat weld a full width piece of one of the Cap Sheets listed over the installed intermediate ply. Remaining sheets are to be applied in the same manner, with 4" (102 mm) side laps and 1" (25 mm) end laps over the preceding sheets. Apply all sheets so that they are firmly and uniformly set, without voids. Maintain a \( \frac{3}{4} \) (3 mm) to 3" (10 mm) bleed cut beyond all laps. Refer to the APP Application Guide for further information.

Roof Coatings
TopGard 4000 and TopGard 5000 are one part acrylic elastomeric roof coatings. When used over a modified bitumen roof, TopGard Base Coat must be applied as a base coat prior to application of TopGard 4000 and TopGard 5000. It is recommended that TopGard Base Coat be used with all installations of TopGard 4000 and TopGard 5000. Drying time between coats is normally 4 to 2 hours depending on weather conditions. Apply when temperature is 50°F (10°C) and rising using a brush, roller or spray equipment. TopGard 5000 is ideal for cold weather climates. Refer to the TopGard 4000 and TopGard 5000 data sheets for further information.

Steep Slope Requirements
Special procedures are required on inclines over \( \frac{1}{2} \)" per foot (4:12). Refer to the APP Application Guide for further information.

Re-Roofing
A large percentage of all commercial and industrial roofing pertains to re-roofing of existing buildings. Refer to the JM Re-Roofing document for inspection, testing, components and other valuable information pertaining to re-roofing pro-ects.

JM Guarantee Requirements
JM Peak Advantage Guarantees are available up to a 30 year term with approved components and assembly make-up. Refer to the JM Peak Advantage Charges and Reuirements-Multi Ply document for additional guarantee information.

Refer to the JM Peak Advantage Guarantee Information document for additional guarantee information and guidelines.

All guaranteed installations must follow the guidelines for the requested guarantee as outlined in the APP Modified Bitumen Specifications document. Not all JM specifications are eligible for all JM Peak Advantage Guarantee terms or enhanced coverage. Please contact JM Guarantee Services at (800) 922-5922 Option 3 for specific request details.

All pro-ects reuire a guarantee from JM must be applied for a minimum of 4 days in advance of job start.

Refer to the Preventative Maintenance Brochure for roof and building maintenance guidelines.