

Assembly Identification

Substrate
N = Nailable

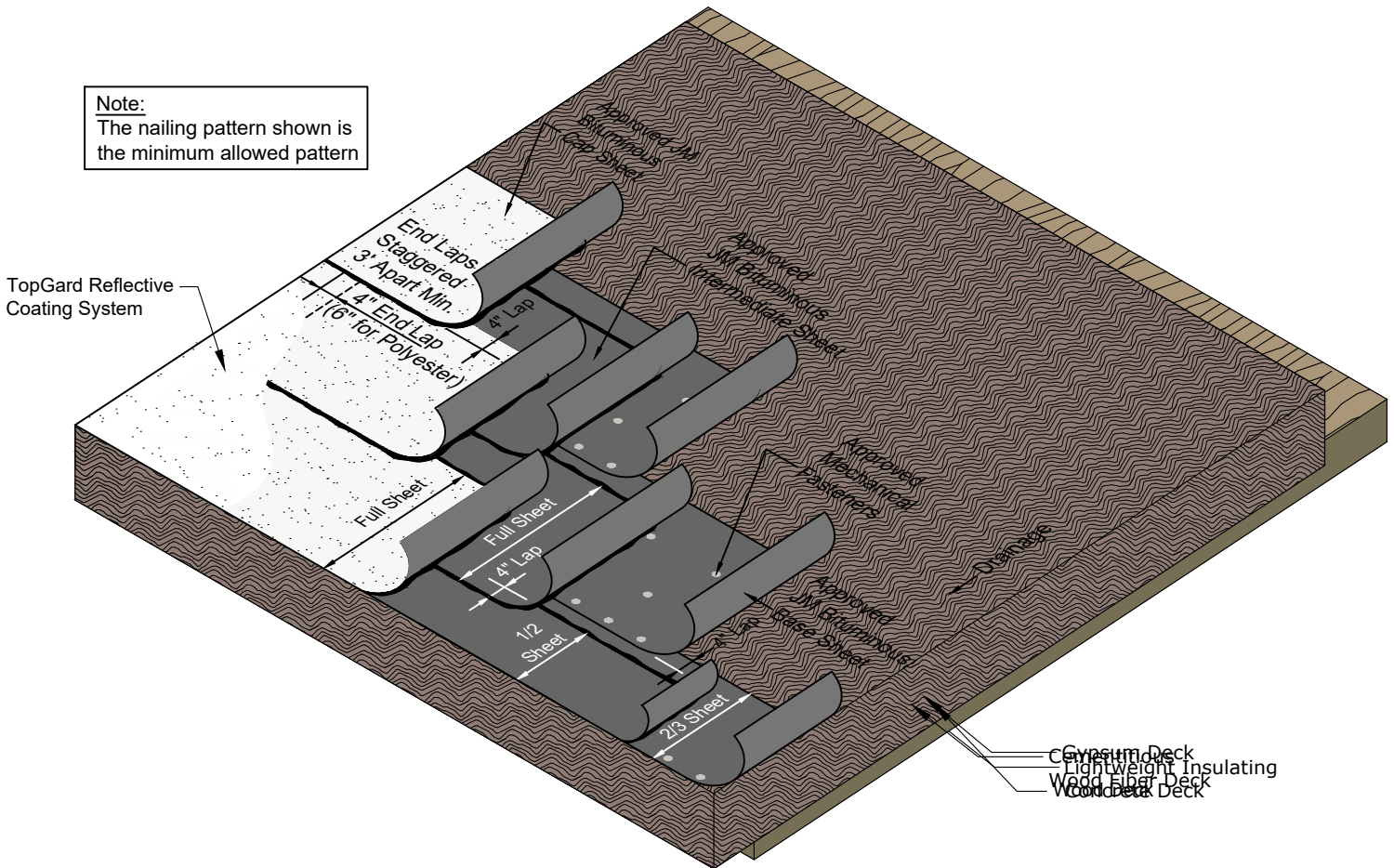
Number of Plies → **3ENN-BW-CR**

Cap Sheet
C = Composite
P = Polyester

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



Gypsum Deck
Lightweight Insulating
Wood Fiber Deck
Wood Plank Deck

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

Cap Sheet - Heat Welded
(Composite Reinforced):
APP 4.5M RR CR G
APP 4.5M RR CR G
APP 4.5M RR CR G
APP 4.5M RR CR G
APP 4.5M RR CR G

Intermediate Sheet - Heat Welded
(Polyester Reinforced):
APP 4.5M RR CR G
APP 4.5M RR CR G
APP 4.5M RR CR G

Base Sheet (Nailed):
JM APP Base
GlasBase® Plus
PermaPly® 28
Ventulation® Felt

Deck Type:
Nailable Decks include:
Cementitious Wood Fiber
Gypsum
Lightweight Insulating Concrete
Wood (Plywood, Plank, OSB)



3 PLY APP INCLUDING NAILED BASE SHEET

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 to 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

Using one of the base sheets listed, start with a piece $\frac{3}{8}$ 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 $\frac{1}{4}$ " (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 $\frac{1}{2}$ 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 $\frac{1}{2}$ " (52 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ " (52 mm) end laps over the preceding sheets. Apply all sheets so that they are firmly and uniformly set, without voids. Maintain a $\frac{1}{8}$ " (3 mm) to $\frac{3}{8}$ " (10 mm) bleed out beyond all laps. Refer to the APP Application Guide for further information.

Roof Coatings

TopGard 4 and TopGard 5 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 4 and TopGard 5. It is recommended that TopGard Base Coat be used with all installations of TopGard 4 and TopGard 5. Drying time between coats is normally 4 to 12 hours depending on weather conditions. Apply when temperature is 50°F (10°C) and rising using a brush, roller or spray equipment. TopGard 5 is ideal for cold weather climates. Refer to the TopGard 4 and TopGard 5 data sheets for further information.

Steep Slope Requirements

Special procedures are required on inclines over 2" per foot (4 mm/m). 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 projects.

JM Guarantee Requirements

JM Peak Advantage Guarantees are available up to a 3 year term with approved components and assembly make-up. Refer to the JM Peak Advantage Charges and Requirements-Multi Ply document for additional guarantee information.

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

Refer to the JM Peak Advantage Guarantee Specimen document to see a JM Peak Advantage Guarantee sample.

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) 222-5222 Option 3 for specific requirements.

All projects requiring a guarantee from JM must be applied for a minimum 14 days in advance of job start.

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