SBS Cold Application Specifications
Specification 2CLD-CA/2FLD-CA/2PLD-CA

Two Ply Cold Process Modified Bitumen Mineral Surfaced Roofing System. For use over approved lightweight, insulating fill decks on inclines up to 3" per foot (250 mm/m).

Materials per 100 sq. ft. (9.3 m²) of Roof Area

Base Felts:	
Ventsulation, GlasBase Plus, DynaBase or PermaPly 28	1 layer
Cap: ♦	
2CLD-CA—DynaKap or DynaKap FR	
2FLD-CA—DynaGlas or DynaGlas FR	
2PLD-CA—DynaLastic 180, DynaLastic 180 FR, DynaLastic 250 or DynaLastic 250 FR	1 layer

Approximate installed weight: 120 - 220 lbs. (54 - 100 kgs.)

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.

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 Roofing System Guarantee.

Flashings

Flashing details can be found in the "Bituminous Flashings" section of the JM Commercial/Industrial Roofing Systems Manual.

Application

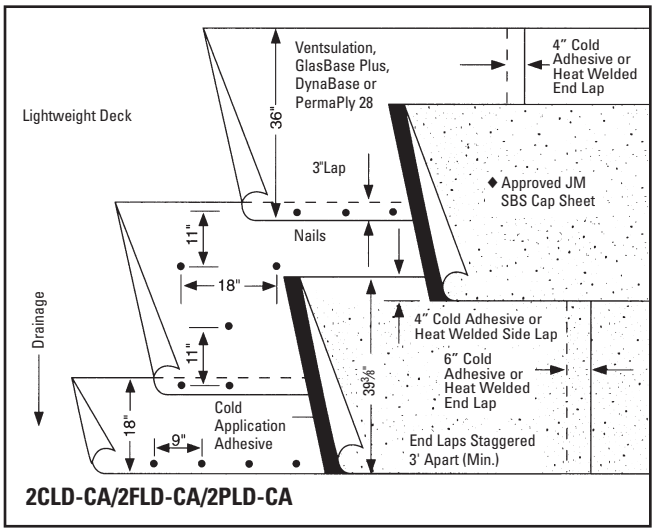
On roof decks with slopes up to ½" per foot (41.6 mm/m), the roofing felts and modified bitumen sheets may be installed either perpendicular or parallel to the roof incline.

Using one of the base felts listed, start with a piece 18" (457 mm) wide. The remaining felts are to be applied full width with 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 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. Consult the current Factory Mutual Approval Guide for the appropriate base sheet, fastener type and pattern. For additional fastener information, refer to the fastener data in 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. Subsequest 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…



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B) Prepare the 6" (152 mm) end lap by removing all loose granules. Heat and embed all remaining granules with a hot air gun or torch. 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 ⅛" to ⅜" (3 mm to 10 mm) bleedout of SBS 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 SBS 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.

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

Cap sheets with polyester reinforcement must be allowed to relax in an unrolled position prior to installation.

For cold weather application techniques, refer to **Paragraph 7A.24**.

Steep Slope Requirements

Special procedures are required on inclines over ½" per foot (41.6 mm/m). Refer to **Paragraph 7A.21**.

Surfacing

No additional surfacing is required.

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