



Johns Manville

**SBS Cold Application Specifications
Specification 2CID-CA/2FID-CA/2PID-CA**

Two Ply Cold Process Modified Bitumen Mineral Surfaced Roofing System. For use over Johns Manville (JM) insulation, approved decks, or other approved insulations on inclines up to 3" per foot (250 mm/m).

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

Primer (if required):
JM Concrete Primer 1 gallon (3.8 liters)

Base Felts:
DynaBase, DynaPly, DynaLastic 180 S, GlasBase Plus or PermaPly 28 1 layer

Cap: ♦
2CID-CA—DynaPly or DynaKap
2FID-CA—DynaGlas, DynaGlas FR or DynaGlas 30 FR*
2PID-CA—DynaLastic 180, DynaLastic 180 FR, DynaLastic 250 or DynaLastic 250 FR 1 layer

* DynaGlas 30 FR must be used in conjunction with DynaBase, DynaLastic 180 S or DynaPly only.

Approximate installed weight: 100 - 210 lbs. (45 - 95 kgs.)

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 pre-cast concrete decks require priming with JM Concrete Primer prior to application of cold application adhesive.

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 should 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 reroofing situations. Refer to the "Reroofing" section of the JM Commercial/Industrial Roofing Systems Manual. This specification is not to be used directly over gypsum, either poured or pre-cast, or lightweight, insulating concrete decks or fills.

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

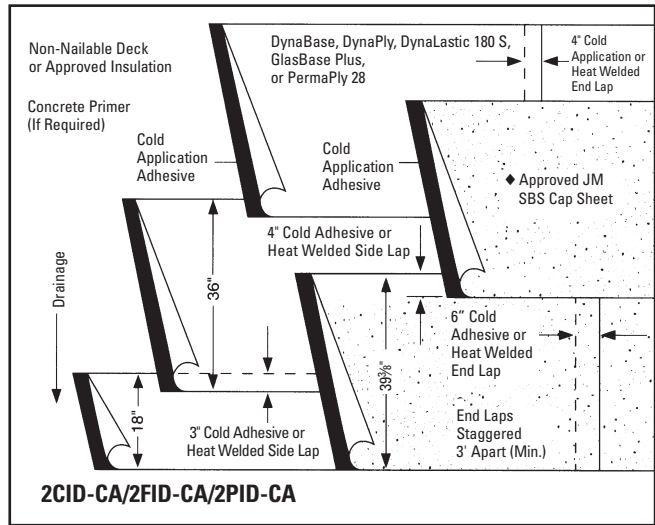
Flashing details can be found in the "Bituminous Flashings" section of the JM Commercial/Industrial Roofing Systems Manual.

Application

On roof decks with slopes up to 1/2" per foot (41.6 mm/m), the roofing felts and modified bitumen sheets may be installed either perpendicular or parallel to the roof incline.

Roll an 18" (457 mm) wide piece of one of the base felts listed into a full coating of MBR cold application adhesive. The remaining felts are to be applied full width, in the same manner. End and side laps can be done in one of the following ways:

- A) Use cold application adhesive on the 3" (76 mm) side and 6" (152 mm) end lap.
Or...
- B) Use a hot air gun or torch on the 3" (76 mm) side and 6" (152 mm) end lap. 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 SBS compound shall be visible at the edge of all seams. All laps must be checked for good adhesion.



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. 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) 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 1/8" to 3/8" (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.

Base sheets and 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 1/2" 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.