Johns Manville

Single Ply Roofing Systems (EPDM)

# Specification
# SE4A-(T)/SE6A-(T)/SE9A-(T)

**Fully Adhered EPDM Single Ply Roofing System**

**For use over approved Johns Manville (JM) insulation or approved decks on inclines up to 6:12**

**For Regions 1, 2 and 3**

**Materials per 100 sq. ft. (9.3 sq. meters) of roof Area**

| | |
|---|---|
| JM EPDM Membrane | 105 sq. ft. (9.8 sq. meters) |
| JM EPDM Bonding Cement | 1.7 gal. (6.44 liters) |
| JM EPDM Color Coating (Optional) | 1 gal. (3.8 liters) |

**Materials per 100 lin. ft. (30.5 in) of Lap Area (3 in. [80 mm]) lap**

| | |
|---|---|
| JM EPDM Seam Tape | 100 lin. ft. (30.5 m) |
| JM EPDM Tape Primer/Wash | 0.15 gal. (0.57 liters) |

Approximate installed weight: 37.5 - 40 lbs. (17 - 18 kgs.)/sq.

## General

This specification is for use over any type of approved structural deck which is suitable to receive a fully adhered membrane.

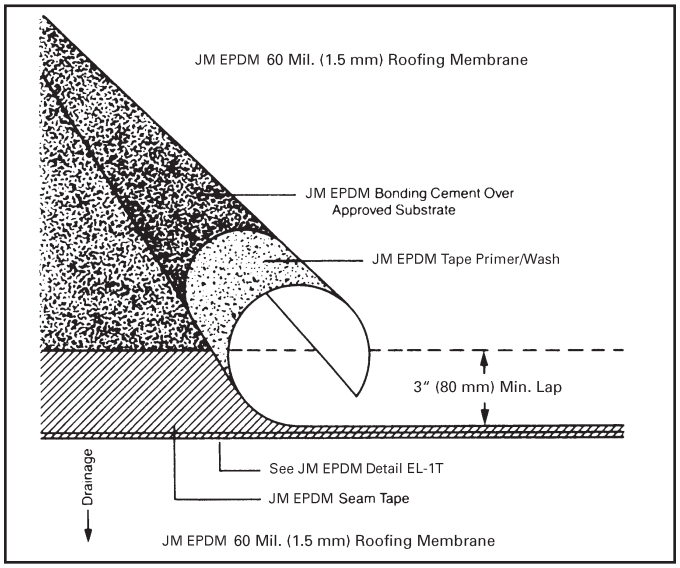
This specification is also for use over certain JM roof insulations which provide a suitable surface for the JM EPDM membrane. Insulation should be installed in accordance with the appropriate JM Insulation Specification detailed in the current JM Single Ply Roofing Systems Manual. This specification can also be used in certain reroofing applications.

**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 48 hours are unacceptable and will not be eligible for a JM Roofing System Guarantee.**

**Note:** All general instructions contained in the current JM Single Ply Roofing Systems Manual shall be considered part of this specification.

## Flashings

Flashing details can be found in **Section 17** of the current JM Single Ply Roofing Systems Manual.




## Application

Unroll and unfold the membrane to its fullest width. Move the membrane into place without stretching. When possible, begin the installation at the highest point of the project area, working to the lowest point and making sure the seams do not buck water. Allow a minimum of 30 minutes before fastening or splicing, so that the membrane can relax and release any tension induced by packaging and handling. Visually inspect the membrane for any flaws or damage which would interfere with the acceptable application or performance of the EPDM membrane. Apply the adjoining sheets in the same manner, lapping the edges a minimum of 6" (150 mm). Sheets should be laid out in an offset pattern, with a minimum of 3 feet (0.9 m) between adjacent end laps. Laps should be constructed with the uphill sheet overlapping the adjoining sheet in a shingle manner to avoid any laps opposing natural drainage.

Local wind uplift conditions and characteristics should be considered when designing, specifying, and installing any roofing system. Information from the Single Ply Roofing Industry (SPRI), FM Global, and local building codes can provide guidelines for the designer.

Once the membrane has been properly positioned, fold the sheet back along its entire length so that the underside of half of the sheet is exposed. The membrane should be smooth and free of wrinkles and buckles.

Apply EPDM Bonding Cement to the underside of the membrane and to the substrate at the rate of approximately 60 sq. ft. of surface area (both surfaces) per gallon (1.5 sq. meters/liter). **Do not apply Bonding Cement to the areas of the sheet that will receive JM EPDM Seam Tape.** Apply the Bonding Cement evenly, using a 9" (225 mm) plastic core paint roller. After the Bonding Cement has dried to the point where it does not string or stick to a dry finger touch, roll the membrane into the adhesive on the substrate. Take care to avoid wrinkling the sheet.

Apply pressure to the membrane surface, using a lawn roller or a push broom, to obtain maximum contact between the two surfaces. Do not fully set any sheet edges that are to lap over an adjoining sheet. Leave the last 12" (300 mm) folded back to allow the splicing procedure to take place. Fold back the other (uncemented) half of the JM EPDM membrane sheet, and repeat the bonding procedure as described in the paragraph above.

### Perimeter Attachment

Secure attachment of the JM EPDM roofing membrane at the perimeter and at penetrations can be accomplished by either mechanical fastening (using JM EPDM Anchor Discs or JM EPDM Termination Bars) or adhesive fastening (using JM EPDM Reinforced Termination Strips). Refer to the JM EPDM Flashing Details for further information.

### Surfacing

If desired, JM EPDM Color Coating may be applied to the surface of the EPDM membrane.