

Installation Instructions

RVB (Reinforced Vapor Barrier)

Note: Verify that the structural gap and blockout dimension is in conformance with submittal data before beginning installation. Install the system on a level surface within the blockout. Read all instructions before installation.

Figure 1

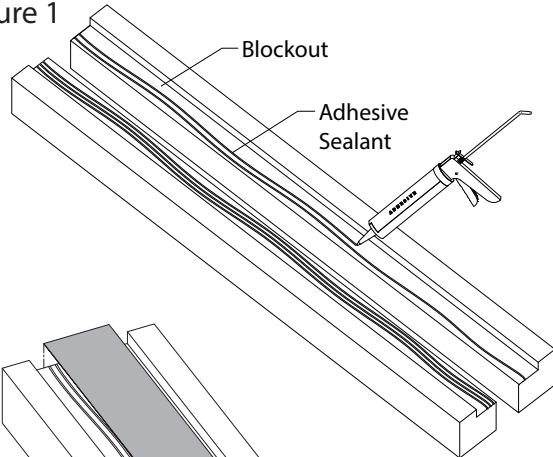


Figure 2

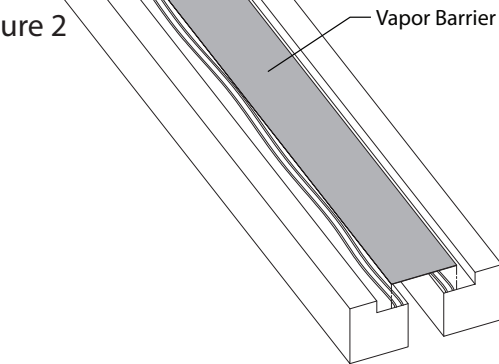


Figure 3

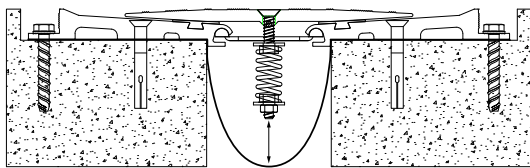
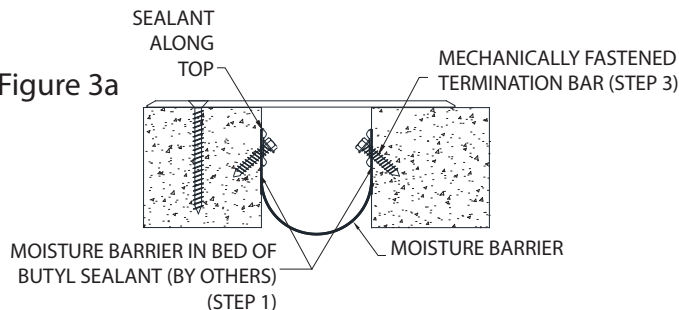


Figure 3a



1. Make sure the blockout and joint opening are clean and sound. Repair all voids, form marks, and pitting.

Figure 1

2. Clean membrane with EPDM primer and lay moisture barrier along the length of the joint opening.
3. Apply a bed of approved sealant in the blockout along the length of the expansion joint. This will temporarily secure the moisture barrier to the blockout and provide a water tight seal to prevent seepage around the blockout.
*Butyl or polyurethane/ Vulkreum 116/ Masterseal NP1 or Mastic are all acceptable solutions.

Figure 2

4. Place the moisture barrier into the structural gap, per the approved details.
NOTE: Always leave enough drape in the moisture barrier to ensure the system will be able to fully open to its maximum distance without interference from the expansion cover components.

Figure 3

5. Install architectural expansion joint system per appropriate instructions, into the blockout on top of the moisture barrier. Expansion joint frames and hardware will permanently secure the membrane in place.

Figure 3a

6. For moisture barrier installation with termination bars (JK125) set the moisture barrier in a bed of approved sealant (by others) on both sides of joint wall. (See Fig 3a). Ensure concrete edges are plumb and free of pitting and form marks.
7. Secure termination bars in a bed of approved sealant (by others) prior to installing the fasteners. (See Fig 3a) Once the termination bars are seated in the sealant, secure with mechanical fasteners, through the membrane, and apply a bead of sealant continuously along the top edge of the bars.
8. At seams: Clean areas with EPDM primer. Overlap seams 4-6" (100-150mm) with EPDM lap cement or double sided seam tape.

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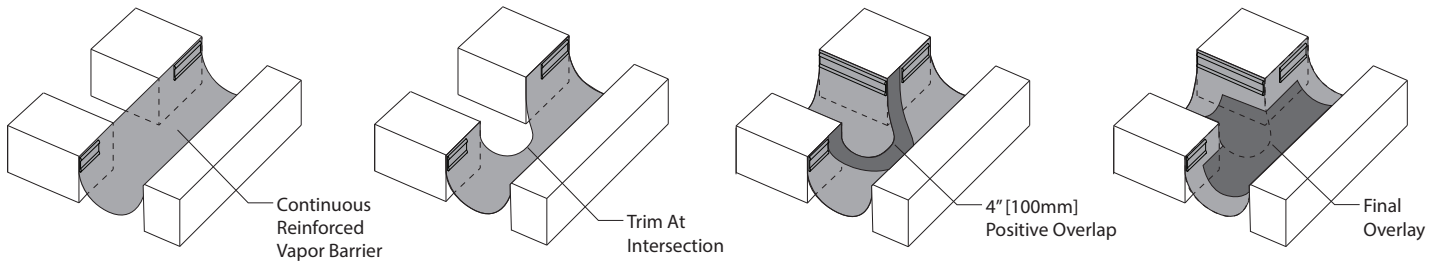
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NOTE: Install moisture barrier per provided instructions. For securing transitions it is recommended to use: EPDM primer, EPDM lap sealant, EPDM seam tape, approved Butyl sealants, Peel and Stick flashing tape, or Masterseal NP1, or Vulkrum 116/ (not provided by Inpro). When installing intersections refer to architectural drawing or field conditions to verify required slope and drainage installation conditions are met. Read all installation steps before installing.

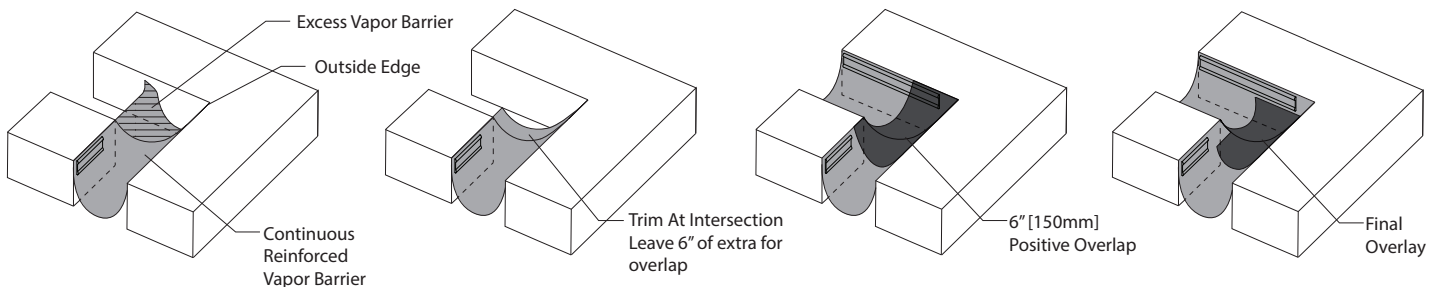
Figure 4 - (Inside Mount)



A. T or X Intersections: (Figure 4)

9. Install the first run of moisture barrier into the joint opening that is intersected by the perpendicular joint opening. For cross or "T" or "X" intersections, install longest continuous run first.
10. At intersection, trim appropriate amount of the installed moisture barrier run from the intersecting joint opening, when trimming allow enough depth for the drape of the intersecting moisture barrier run.
11. Install perpendicular intersecting run into joint opening, ensure the drape of the new moisture barrier is the same depth at the intersection. Allow new run of moisture barrier to overlap into existing installed moisture barrier by 4-6" [100-150mm]. Trim excess barrier. Secure both sections together using approved adhesive. Overlay EPDM peel and stick flashing tape or EPDM sheet cut to match profile of intersection and secure.

Figure 5 - (Inside Mount)



B. 90 degree "L" Intersection: (Figure 5)

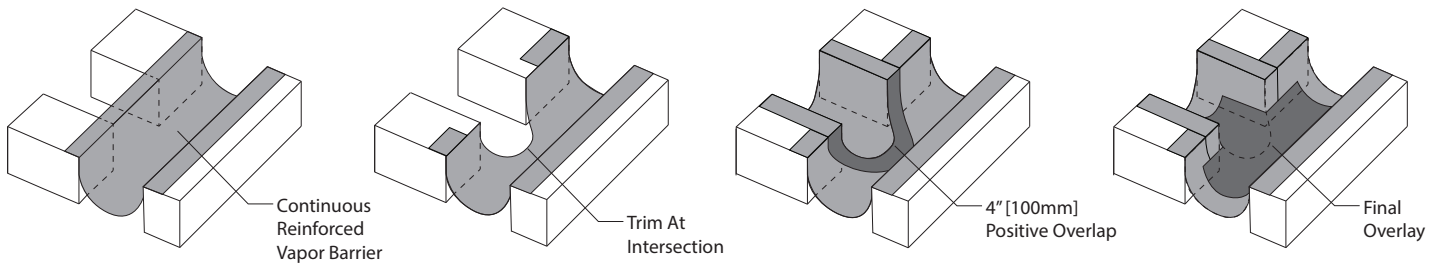
12. Install the first run of moisture barrier into the joint opening along entire length of joint opening. Continuing the outside edge of the moisture barrier to the outside corner of the intersection.
13. Cut excess portion of the moisture barrier leaving an extra 4-6" [100-150mm] starting at the inside corner working straight towards outside corner.
14. Install perpendicular intersecting run into joint opening, ensure the drape of the new moisture barrier is the same depth at the intersection. Allow new run of moisture barrier to drape onto the existing installed moisture barrier. Trim excess barrier keeping 6" [150mm] of overlap. Secure both sections together using approved adhesive. Overlay EPDM peel and stick flashing tape or EPDM sheet cut to match profile of intersection and secure.

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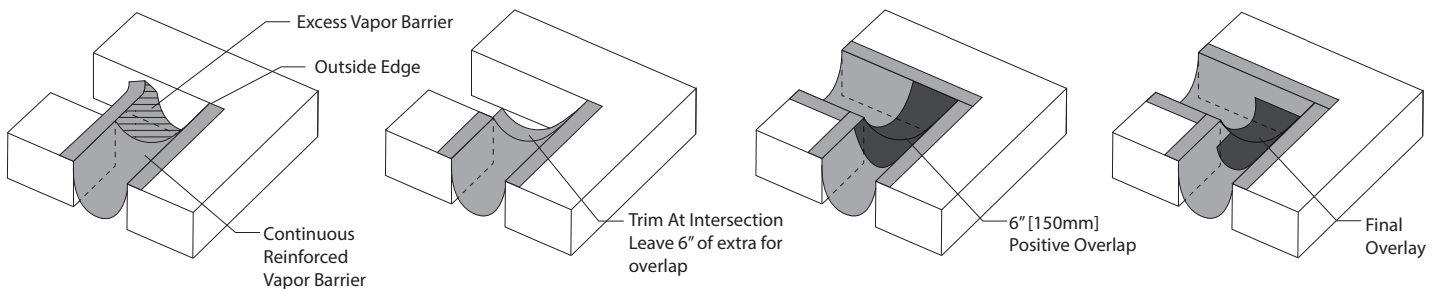
Figure 6 - (Top Mount)



A. T or X Intersections: (Figure 6)

15. Install the first run of moisture barrier into the joint opening that is intersected by the perpendicular joint opening. For cross or "T" or "X" intersections, install longest continuous run first.
16. At intersection, trim appropriate amount of the installed moisture barrier run from the intersecting joint opening, when trimming allow enough depth for the drape of the intersecting moisture barrier run.
17. Install perpendicular intersecting run into joint opening, ensure the drape of the new moisture barrier is the same depth at the intersection. Allow new run of moisture barrier to overlap into existing installed moisture barrier by 4-6" [100-150mm]. Trim excess barrier. Secure both sections together using approved adhesive. Overlay EPDM peel and stick flashing tape or EPDM sheet cut to match profile of intersection and secure.

Figure 7 - (Top Mount)



B. 90 degree "L" Intersection: (Figure 7)

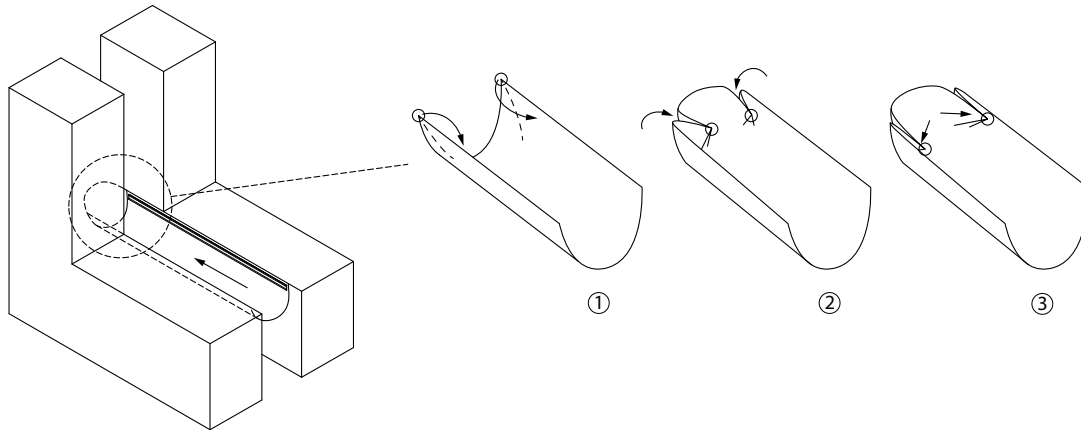
18. Install the first run of moisture barrier into the joint opening along entire length of joint opening. Continuing the outside edge of the moisture barrier to the outside corner of the intersection.
19. Cut excess portion of the moisture barrier leaving an extra 4-6" [100-150mm] starting at the inside corner working straight towards outside corner.
20. Install perpendicular intersecting run into joint opening, ensure the drape of the new moisture barrier is the same depth at the intersection. Allow new run of moisture barrier to drape onto the existing installed moisture barrier. Trim excess barrier keeping 6" [150mm] of overlap. Secure both sections together using approved adhesive. Overlay EPDM peel and stick flashing tape or EPDM sheet cut to match profile of intersection and secure.

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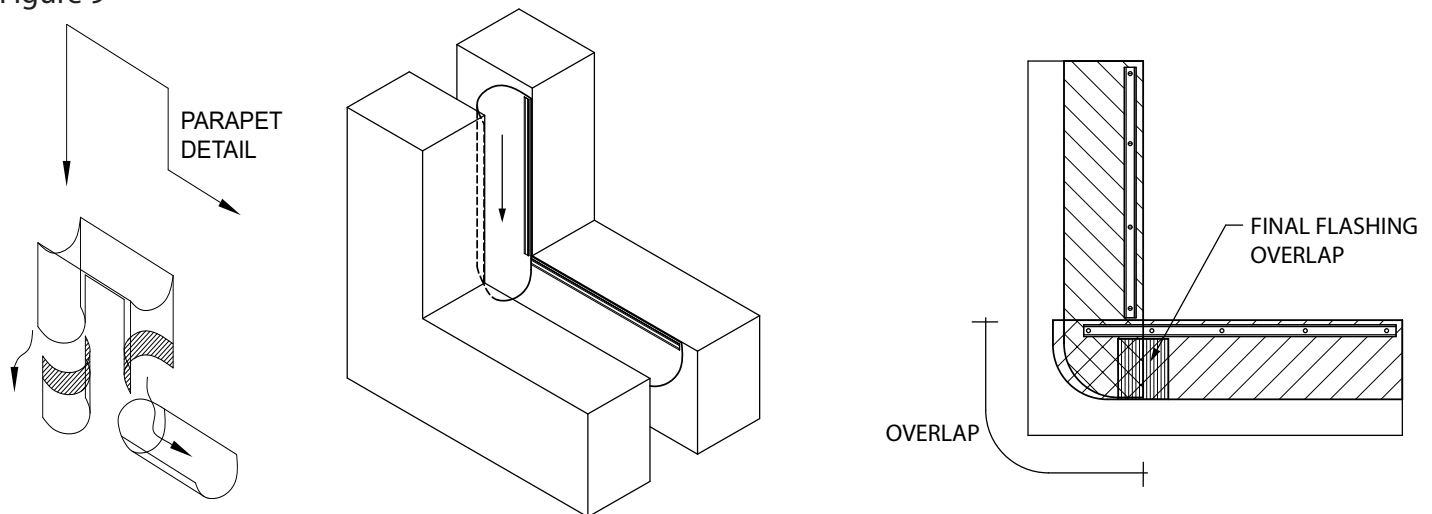
Figure 8



A. End Dam (Step 1 of Horizontal to Vertical Transition): (Figure 8)

21. Extend the Moisture Barrier past the end of the expansion joint. Pinch the corners of the Moisture Barrier end inward and "fold" back and upward like pictured in Figure 8. This creates an end dam where the Moisture Barrier ends.
22. Press the pinched ends tight against the sides of the joint, apply sealant and screw the ends under the term bars.

Figure 9



B. Horizontal to Vertical Transition (Step 2): (Figure 9)

23. Seat bottom of vertical Moisture Barrier run into horizontal run by repeating "folding" process from step 21.
24. Apply term bars and overlap the intersection with a final overlay of EPDM flashing.

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Figure 10

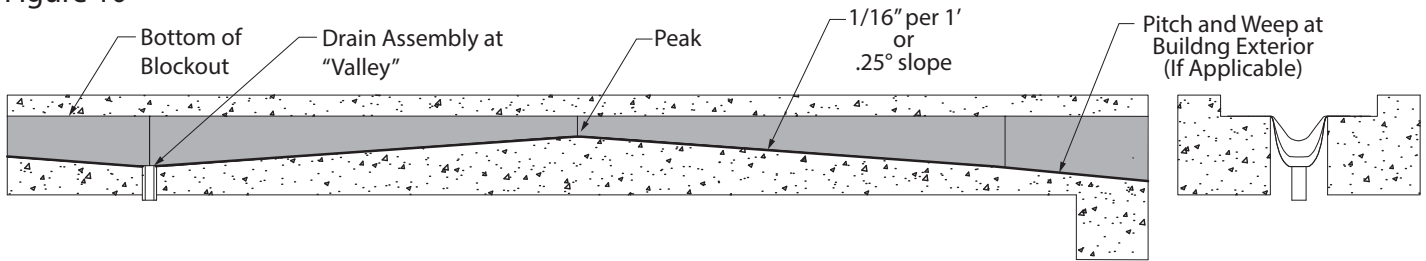


Figure 10a

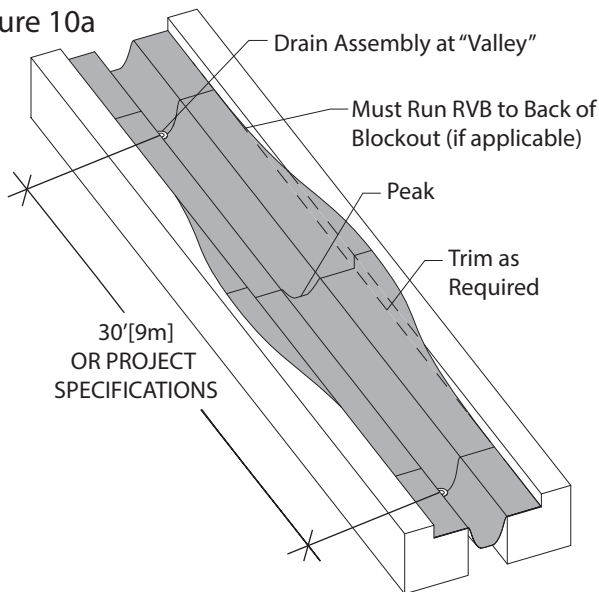


Figure 11

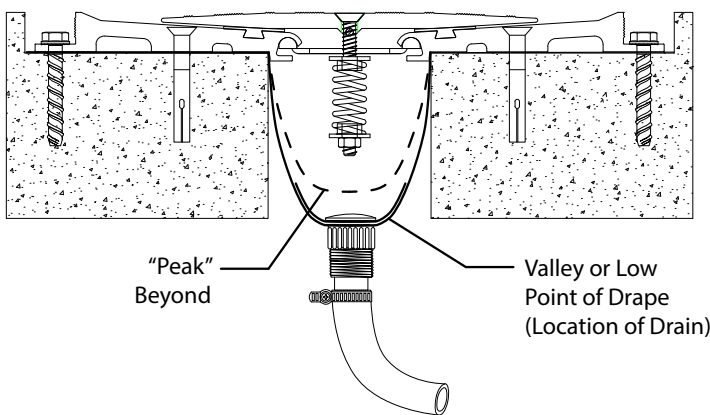


Figure 10

25. Positive drainage can be achieved by varying the drape of the membrane, creating a peak at desired high points or between (2) drain locations. 1/16" (3mm) drop per foot (305mm) [.25°] slope is desired. *Spacing to be signed off by architect of record.
26. Achieve the varying depth by starting with the membrane running past the EJ block out extents. Gently pushing the draped drain locations down into the joint opening, creating a "Valley" in the membrane. (See Figure 10a for the technique) The typical difference in height from a peak to valley point is 1 1/2" [38mm] over 30' [9.1m]. Alter this pitch to meet project specific requirements.

Figure 11

27. Install architectural expansion joint system according to the manufacturers instructions, into the blockout on top of the vapor barrier.
28. The final termination of the provided tube (30" length) is to be provided by others. Architect or plumbing engineer of record will design appropriate tie in to existing storm piping.