

LP & CM Expansion Joint Covers Installation Instructions

GENERAL NOTES

- The roofing membrane must extend to the top of the cant or curb.
- All cants / curbs must be higher than any ponding water.
- Flash-Tite expansion joint nailers must be mechanically attached on 100 mm (4") centres with fasteners appropriate for the substrate.
- All joints and patches are to be done using Flash-Tite Expansion Joint materials only.
- Expansion Joint flashing membrane is to be stripped into roof membrane by hot mopping; an ASTM D-4586 Type II plastic asphalt cement and felts; or a torch flashing, based on the roofing system being installed.
- With torch type systems, do not heat the Expansion Joint flashing membrane or nailers. Heat the torch membrane and then set the Expansion Joint flashing into the softened surface.
- All surfaces being sealed with Flash-Tite Flashing Splice Strip must be clean and dry. A hot air blower can be used to dry surfaces.
- The Expansion Joint flashing membrane is NOT compatible with coal tar pitch materials.
- Before stripping flanges into roof membrane, make all splice joints to the Expansion Joint.

SAFETY WARNING

- Wear safety glasses when nailing or using adhesives to prevent eye injuries.
- Wear protective gloves when working with adhesives.
- Read cautions on labels of adhesive and sealant containers. Improper care or use can cause serious injury.

LP Expansion Joint Installation Procedures Positioning

1. Install all Expansion Joint transition pieces (i.e.: Tee junctions, Crossovers, etc.) before installing Expansion Joint rolls.
2. Snap a chalk line on the roof membrane 30 mm (1-1/4") from each edge of the expansion joint opening. Fold one side of the expansion joint flexible membrane back, exposing the inside nailer. Align the nailer with the chalk line and nail in place on 100 mm (4") centres (Figure 1).

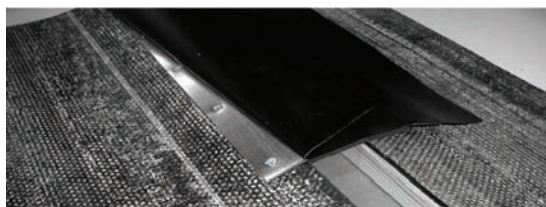


Figure 1



Figure 2

3. Fold the second membrane flap back and compress the bellows to align the second nailer with the second chalk line. Nail in place on 100 mm (4") centres (Figure 2).
4. Make all joints in the expansion joint cover before proceeding with sealing the flanges to the roofing system.

Splicing End Joints

5. Measure, cut and install expansion joint cover sections so that all adjoining bellows sections butt tightly together. Trim back the nailers slightly to prevent overlapping materials and to permit a snug, end-to-end butt joint at the foam bellows (Figure 3).
6. Make sure all surfaces to receive Flash-Tite Flashing Splice Strip are clean and dry. In cold weather, use a hot air blower to dry surfaces; then apply Flash-Tite Flashing Splice Strip to joint taking care to prevent entrapped air. **WARNING!** Flash-Tite

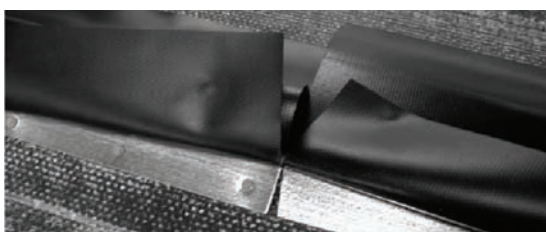


Figure 3

continued on back

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FLASH-TITE

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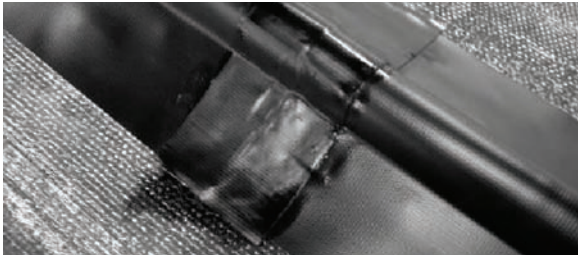
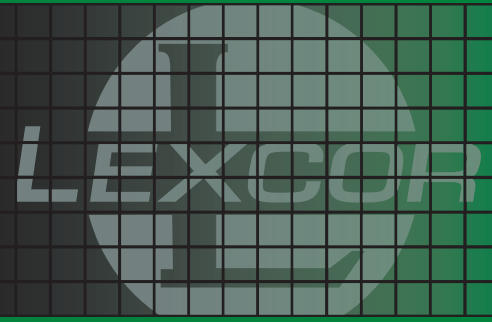


Figure 4

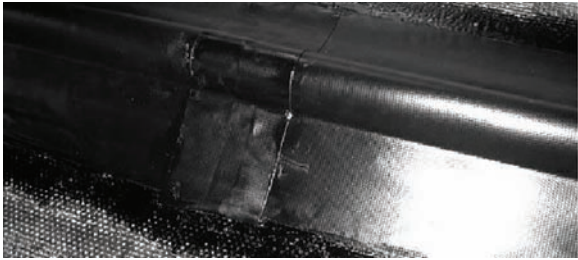


Figure 5

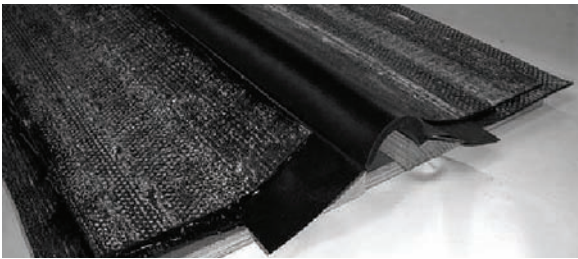


Figure 6

Flashing Splice Strip is extremely tacky and will adhere to anything it comes in contact with. It cannot be re-positioned (Figures 4 & 5).

Stripping In

7. Depending on the roofing system being installed apply mastic, or hot mop under the flexible flashing membrane, or as shown below, heat the torch roofing membrane where the flexible flange will fall and press flange in place. **WARNING!** Do not torch the expansion joint membrane.
8. Depending on the roofing system being installed, strip in a 200 mm (8") wide flashing membrane or felt, centered over the edge of the expansion joint flashing, into mastic or hot asphalt. Do not mop over bellows. If using a torch system, torch the

modified bitumen flashing membrane (not the expansion joint membrane!) and press or roll in place to prevent entrapped air (Figure 6).

Coal Tar Pitch - Special Instructions

If the Flash-Tite Expansion Joint is to be used with a coal tar pitch roofing system, a barrier of non-coal tar mastic and felts **MUST** be placed between the expansion joint membrane and the coal tar materials. This is accomplished by first installing a 30 cm (12") wide non-coal tar pitch felt and mastic on both sides of the expansion joint opening before installing the expansion joint cover.

CM Expansion Joint Installation Procedures Positioning

1. Install all Expansion Joint transition pieces (i.e.: Tee junctions, Crossovers, etc.) before installing Expansion Joint rolls.
2. Fold one side of the expansion joint flexible membrane back, exposing the inside nailer. Position the nailer on the top of the curb and nail in place on 100 mm (4") centres.
3. Fold the other membrane flap back and compress the bellows to align the second nailer with the top of the curb. Nail in place on 100 mm (4") centres.
4. Make all joints in the expansion joint cover before proceeding with sealing the flashing membrane to the curb.

Splicing End Joints

5. Measure, cut and install expansion joint cover sections so that all adjoining bellows sections butt tightly together. Trim back the nailers slightly to prevent overlapping materials and to permit a snug, end-to-end butt joint at the foam bellows.
6. Make sure all surfaces to receive Flash-Tite Flashing Splice Strip are clean and dry. In cold weather, use a hot air blower to dry surfaces; then apply Flash-Tite Flashing Splice Strip to joint taking care to prevent entrapped air. **WARNING!** Flash-Tite Flashing Splice Strip is extremely tacky and will adhere to anything it comes in contact with. It cannot be re-positioned.

Finishing

7. Fold the expansion joint flashing flaps down the outside of the curb. Secure the expansion joint flashing edge to the curb using appropriate fasteners applied on 100 mm (4") centres through the bottom nailers.
8. Cover with sheet metal bellows if desired.

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