

METALASTIC™ SMF Straight Metal Flange Expansion Joint Cover

Updated: 8/16



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*



METALASTIC™ SMF

STRAIGHT METAL FLANGE

EXPANSION JOINT COVER (1 OF 2)

INSTALLATION GENERAL NOTES:

- The roofing membrane must cover the nailer to edge of joint opening.
- Flanges must be sealed to roof membrane with Metalastic™ Tape Sealant.
- SMF Expansion Joint Covers must be mechanically attached in the center of the metal flange and 4" (102 mm) on center.
- Nailers must be higher than any potential standing water.
- All joints and patches are to be made with Metalastic™ materials only.
- If the Metalastic™ is to be used with a coal tar pitch roofing system, **a barrier of non-coal tar mastic and felt MUST be placed between the Metalastic™ and the coal tar materials.**
- All surfaces being sealed with Splice Lock or receiving Metalastic™ Tape Sealant must be clean and dry. A hot air blower can be used to dry surfaces.

Installation Procedures

- A.** Snap a chalk line 4" (102 mm) from joint opening along both sides of cant or nailer on top of roofing membrane. Apply a continuous strip of 4" (102 mm) wide Metalastic™ Tape Sealant on the roofing membrane between the chalk line and the joint opening.
- B.** Set the metal flange in place aligned with chalk line and nail in the center of the metal flange, 4" (102 mm) on center. (If the joint opening varies or if the elevations vary, the metal flanges may need to be cut to allow the metal nailers to lie flat.)
- C.** Attach the second nailer in place and nail 4" (102 mm) on center as shown. Galvanized metal applications require the flanges to be stripped.



A



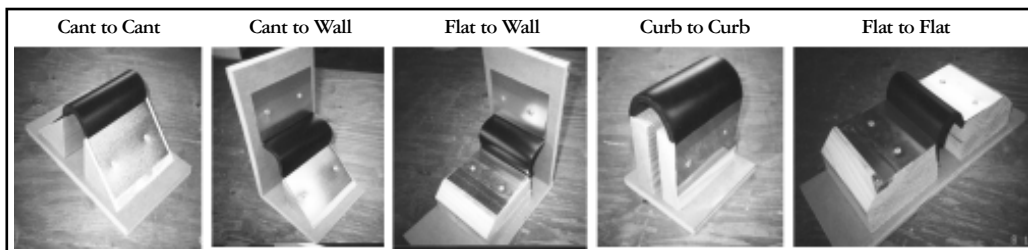
B



C

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.





METALASTIC™ SMF

STRAIGHT METAL FLANGE

EXPANSION JOINT COVER (2 OF 2)

Exposed Metal Flange Application

For applications where the metal flanges are to remain exposed, Metalastic™ SMF with Aluminum, Copper, or Stainless Steel Metal Flanges must be installed with the 4" (102 mm) wide Metalastic™ Tape Sealant and appropriate fasteners.

No other mastics or tape sealants can be substituted.

Butt Joints

- D. When joining sections of SMF, ensure that the bellows butt without overlapping of the metal nailers and install in place as described above. Ensure surfaces are clean and dry. In cold weather, use a hot air blower to dry surfaces. Beginning at one edge, set the **Splice Lock** in place centered and aligned over joint and roll in place toward bellows, taking care to have full contact with no bridging over spots. **WARNING! Metalastic™ Tape Sealant is extremely tacky and will adhere to anything it comes in contact with. It cannot be repositioned.**

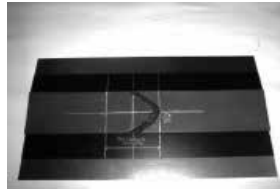


D

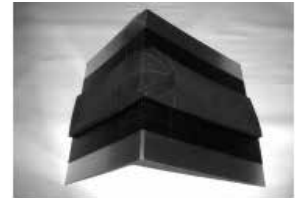
End Termination:

Some styles of transitions can be field fabricated at the jobsite without difficulty depending on the style of curbs or nailers used. When the SMF is installed on flat horizontal nailers as pictured above, two styles of terminations can be made as follows:

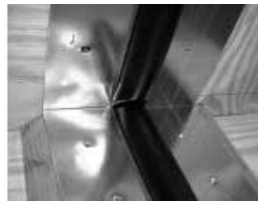
- E. Trim out and remove a ½" (12.7 mm) wide section of foam without damaging the membrane as shown.
- F. Bend the section at 90 degrees as shown.
- G. Install forcing the bellows in or out of the vertical joint as desired and nail in place.
- H. For terminations at the edge of a building, bend the metal at 90 degrees toward the foam and then install as shown.



E



F



G



H

When curbs or nailers are canted, field fabrication is more difficult and it will be more economical to use factory-fabricated transitions.