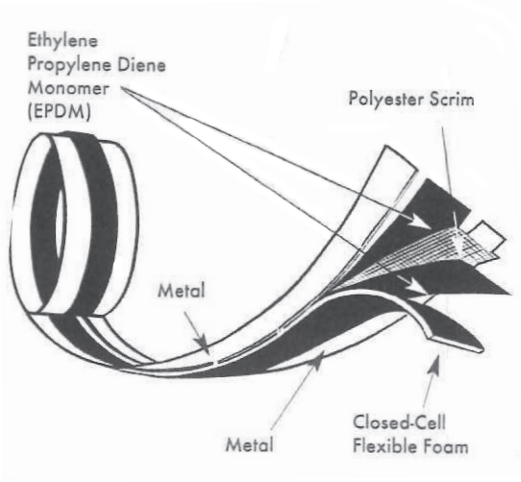
Roof Expansion Joint Covers

For superior weather protection to cover roof deck structural expansion joints.

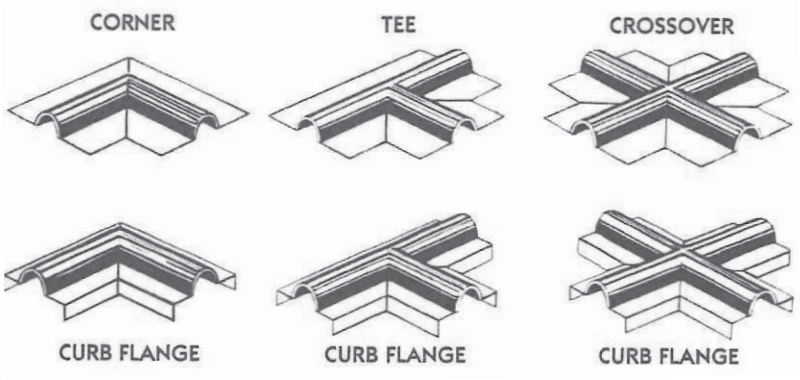


After years of testing in stringent environments ranging from the tropics to Canada, Portals Plus's Expansion Joint Covers have withstood the most extreme chemical and weather conditions and still shown no evidence of leakage. Featuring a tough foam-laminated EPDM bellows cover, the Expansion Joint Cover is precision manufactured for easy installation and a tight, weather resistant fit. Expansion Joint Covers are available in a variety of sizes and materials to fit your specifications. For the ultimate in roof expansion joint protection. Available exclusively from Portals Plus Manufacturing Company through wholesalers nationwide.

Manufactured in straight flange, curb or curb to wall applications.

Call for Portals Plus quality and economy.

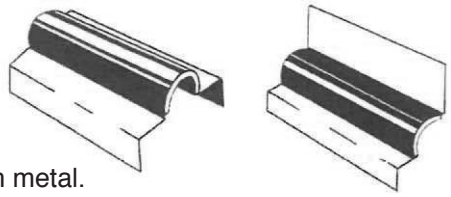
- The Expansion Joint Cover's EPDM bellows withstand the most extreme chemical and weather conditions without leakage.
- A 3/8" layer of closed-cell flexible foam is laminated to the EPDM bellows cover, which insulates the bellows and allows expansion, eliminating stress at the seam.
- Easy, one step splicing application provides long-life waterproof protection. Saves money.
- Available in galvanized, copper, stainless steel, and aluminum; with standard 4" to 12" bellows. Manufactured for straight flange, curb or curb-to-wall application.
- Full line of factory-made fittings insure a perfect fit. Saves time.
- Double-lock connection between metal and bellows assures a weathertight seam. • Conveniently packaged in 50-ft. straight flange rolls, and 10-ft. curb application lengths, for easy handling and minimum splicing.



PORTALSPLUS™

Pipe Portals Systems
Technical Product Information

Roof Expansion Joint Covers



FEATURES

The Portals Plus Expansion Joint Cover is a factory fabricated product that provides weather protection for structural expansion joints in roof decks

1. You have your choice of galvanized, cooper, stainless steel and aluminum metal.
2. Bellows are available in 4”, 5”, 6”, 8”, 10” and 12” widths for most roof applications.
3. Easy splicing application provides long life water proof protection.
4. Convenient packaging for easy handling and minimum splicing. 50 foot rolls for straight flange, 10 foot lengths for curb application.
5. Manufactured in straight flange, curb or curb to wall application.
6. A 3/8” thick layer of closed-cell flexible foam is laminated to the EPDM bellows cover. This insulates the bellows as well as allowing expansion and eliminates stress at the seam.
7. Uses EPDM for its bellows cover because after years of testing, from the tropics to Canada, the material will withstand the most extreme chemical and weather conditions and still not leak.
8. A full line of fittings are factory made to insure a perfect fit with the expansion joint shield.
9. Has a double-lock connection between the metal and bellow to insure a weather tightseam.

Physical Properties:

BELLOWS Basic Material		Polyester Scrim Reinforced EPDM (Ethylene Propylene Diene Monomer)
Available Bellows Widths		4”, 5”, 6”, 8”, 10” &, 12’.
Weight 1bf/ft2		ASTM D 751 = .31
Nominal Thickness		0.045” (45 mils)
Tear Strength		ASTM D 751 lbf (N) =60 (267)
Elongation @fabric break %		ASTM D 151 Grab Method =15 (both directions)
Dynamic Puncture Resistance		Pass
Breaking Strength lbf (NI)		ASTM D 751 240 (1068)
Ozone Resistance: No cracks		ASTM D 1149 Pass
Dynamic Puncture Resistance		ASTM D 5635 Pass
Heat Aging		ASTM D 573 240 degrees F @ 28 days
Weather Resistance		ASTM D 518 Pass
Maximum Service Temperature Air		+248 degrees F (120 degrees C)
Minimum Service Temperature Air		- 129 degrees F (-54 degrees C)
FOAM		
Width		1/8” less that nominal Bellows width
Thickness		3/8” for bellows widths 4” thru 8” 5/8” for bellows widths 10” & 12”
METAL FLANGES		
Thickness	Galvanize	.018” (28 ga.)
	Copper	.021” (16 oz.)
	Stainless Steel	.015 (28 ga.)
	Aluminum	.032” (22 ga.)
Width	3-3/4” for all metals	

Where should Roof Expansion Joints be used?

1. When structural alterations or additions are made to an existing building.
2. When the building length exceeds 200 feet.
3. When the deck material changes (i.e. from poured concrete to steel).
4. When building a T, U, or L-shaped structure.
5. When the direction of the structural framing changes.

Installation must comply with the applicable codes and manufacturers published instructions.

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