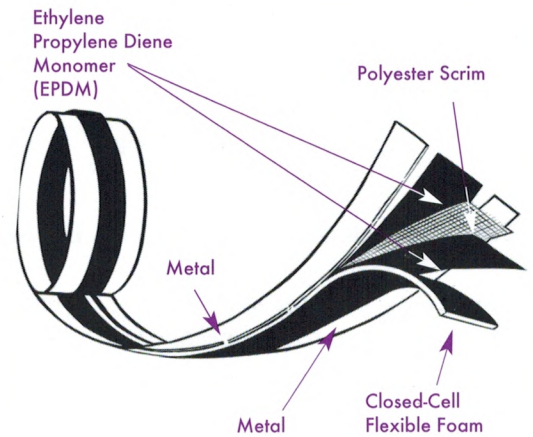


Cain

Crown Roof Expansion Joint Shields



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

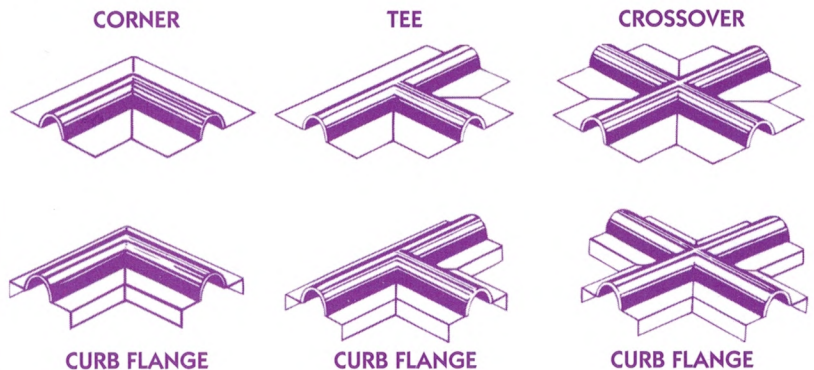
Call for Cain quality and economy.

- The Crown Expansion Shield'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.

After years of testing in stringent environments ranging from the tropics to Canada, Cain's Crown Expansion Joint Shields 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 Crown Expansion Joint Shield is precision manufactured for easy installation and a tight, weather resistant fit. Crown shields are available in a variety of sizes and materials to fit your specifications. For the ultimate in roof expansion joint protection, count on Crown – available exclusively from Cain Manufacturing Company through wholesalers nationwide.

CROWN is manufactured in straight flange, curb or curb to wall applications.



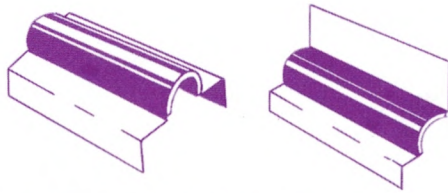
Cain

MANUFACTURING COMPANY, INC.

QUALITY HVAC PRODUCTS SINCE 1935
 P.O. Box 1000 • Pelham, AL 35124
 205-663-2200 • 1-800-554-0342 • FAX 205-663-2298
www.cainmfg.com

Made in the U.S.A.

FEATURES



The Crown Expansion Joint Shield 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. CROWN is 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. CROWN 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. CROWN 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 lbf/ft ²	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 Breaking Strength lbf (N)	Pass 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	

ASTM E 84 Flame spread < 76

Fire Classification: Class A Roofing Assembly

Conforms to: ASTM C 578 or ASTM C 128 9 specifications

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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.

**Never say can't
say Cain!**



See Cain product catalog for complete details.

Made in the U.S.A.
BP/2-11-1M