

Expand-O-Flash®

Description

Expand-O-Flash expansion joint covers are flexible, weather-proof, exterior covers for expansion joint openings and are an effective, flexible closure for a wide variety of standard and special applications. Each Expand-O-Flash cover is a combination of a flexible rubber membrane, supported by a closed cell foam to form flexible bellows, with two metal flanges, adhesively and mechanically combined to the bellows by a patented bifurcation process.

As expansion joints move, the greatest stress occurs in the cover at the point where expansion joints intersect, cross or change directions. Factory-fabricated intersections are designed for maximum flexibility and are produced using special fabrication techniques to ensure watertight, clean seam lines. Close factory tolerance and quality control assures high yield performance.

Use

Designed to manage the movement of commercial and industrial building roof systems: thermal, settlement, new and existing junctions, differing roof deck materials or direction and seismic movement. Compatible with single-ply (EPDM and PVC), built-up, and modified bitumen roof membranes.

Advantages

- Accommodates multidirectional movement
- Non-reinforced bellows for both geometric and elastomeric movement
- Available in 10 foot (3.05 m) lengths, 50 and 100 foot (15.3 m and 30.5 m) rolls (larger rolls also available)
- Compatible with built-up, modified bitumen (SBS, APP and PAO) and single-ply (EPDM and PVC) membranes
- Designed in a variety of styles for application requirements



- Labor saving factory crafted intersections to fit most needs or custom designed for special needs
- Over 40 years of proven design, fabrication and field performance

Typical Physical Properties

Flexible Membrane Cover

Type E 60 mil (1.5 mm) EPDM sheet – white or black
(white is premium priced)
Type N 60 mil (1.5 mm) Neoprene sheet – black

Flange Metal

Galvanized Steel 26 ga. (0.56 mm)
Stainless Steel018" (0.46 mm)
Aluminum032" (0.81 mm)
Copper 16 oz. (0.56 mm)
Others available

Support Foam

Closed cell foam, k factor . . 0.25 BTU • in/(hr • ft² • °F) at ambient
(0.036 W/m • °C)
Thickness varies from 3/8" to 3/4" (10 mm to 19 mm) depending on bellows width

Sizes

Bellows width 4" - 12" (102 mm - 305 mm)
(Special up to 54" [1372 mm] wide)
Length 10' (3.05 m) and 50' (15.3 m) and 100' (30.5 m) rolls
(Special up to 250' [76.3 m])
(CF and CF/EJ available in 10' (3.05 m) lengths only)

Styles

CF Curb mounted
EJ Curb or cant mounted
CF/EJ Curb to wall mounted
EJ/WC Curb or curb to wall
INS Insulated available in all styles