

Features and Components

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. Expand-O-Flash style EJ/WC is a combination of a flexible rubber membrane, supported by a closed cell foam to form flexible bellows. The membrane from the bellows extends to form a curb cover that provides a watertight curb in one easy step.

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 all roof membranes.



Curb-to-Wall



Curb-to-Curb

Component

S
Specialty

Multi-Ply
Single Ply

Type

EJ
Joint Cover

Advantages

- Accommodates multidirectional movement
- Non-reinforced bellows for both geometric and elastomeric movement
- Designed in a variety of styles for application requirements
- Labor saving factory crafted intersections to fit most needs or custom designed for special needs

Insulated Option Available

Insulation is available as an option for Expand-O-Flash to provide a thermal barrier or noise reduction. The insulation option includes a high-quality polyethylene vapor barrier that both supports the insulation and prevents moisture from inside the structure from collecting on the insulation. Johns Manville Microlite "L" fiberglass insulation is wrapped in a 4-mil poly sleeve and is sized to fit your nominal joint width. R27 (8" insulation depth) is standard. Other R-values are available upon request.

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP			SBS				
	HA	CA	HW	HA	CA	HW	SA	MF		
<i>Compatible with all multi-ply systems</i>										

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Compatible with all single ply systems</i>										

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

Energy and the Environment

Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%

Peak Advantage® Guarantee Information

Covered under the JM Peak Advantage Guarantee when installed in a JM approved roofing system.

Installation/Application

Refer to JM applicator guides or detail drawings for instructions.

Packaging and Dimensions

Bellows Width*	4" - 12" (10.16 cm - 30.48 cm) Standard. Larger bellows sizes available up to 54" (1.37 m)*
Cover Membrane Width	12" to 55" (30.48 cm to 1.40 m) for EPDM or, up to 78" (1.98 m) for PVC & up to 60" (1.524 m) for TPO.
Nail Strip Width Rubber Coated Nylon and Galvanized Steel Width	1.375" (3.49 cm) <i>nail strips are concealed beneath the cover membrane, and a 1" (25 mm) wide aluminum termination bar may be provided to securely hold the cover in place.</i>
Roll Length	Made to order up to 100 lin ft (30.48 lin m) in EPDM. 50 ft (15.24 m) maximum roll length for PVC & TPO
Aluminum Termination Bar Width	1.35" (3.43 cm)
Styles	RR = Curb-to-Curb mounted RW = Curb-to-Wall mounted INS = Insulated available in all styles
Producing Location	Lewiston, ME

*Other sizes are available, contact JM for more information.

**Factory fabricated transitions are available.

Typical Physical Properties

Membrane Cover		Values
EPDM	Thicknesses	0.060" (1.52 mm)
	Width	12" up to 55" (30.48 cm up to 1.4 m)
	Colors	Black
JM PVC*	Thicknesses	0.060" (1.52 mm)
	Width	8" up to 78" (20.32 cm up to 1.91 m) (Depending on flashing and welding to the membrane requirements.)
	Colors	White; Grey; Grey ES; Sandstone and Sandstone ES
JM TPO**	Thicknesses	0.060" (1.52 mm)
	Width	8" up to 60" (20.32 cm up to 1.524 m) (Depending on flashing and welding to the membrane requirements.)
	Colors	White; Grey; Tan
Closed Cell Support Foam	Thicknesses	<i>Thickness varies from 0.375 - 0.75 (9.53 mm to 19.1 mm) depending on bellws width</i>

*(See Expand-O-Flash PVC EJ/WC data sheet)

***(See Expand-O-Flash TPO EJ/WC data sheet)

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.