

Sure-Seal® EPDM

Expansion Joint Supports



Overview

Carlisle's Sure-Seal Expansion Joint Supports are made of high-quality extruded EPDM and are compatible with Sure-Seal EPDM, Sure-Weld® TPO, and Sure-Flex™ PVC, and KEE HP Roofing Systems. A roofing membrane usually experiences a combination of tension and shear forces due to expansion/contraction and building movement. Carlisle's Expansion Joint Supports allow for rubber-to-membrane contact and improved flexibility at joints.

Carlisle's Expansion Joint Supports are available in two styles which serve as a transition between deck-to-deck and deck-to-wall expansion joints.

Features and Benefits

- » Two styles available — edge and field
- » Expansion Joint Supports allow rubber-to-membrane contact and improved flexibility at joints
- » Helps to increase roofing system longevity

Installation

All Systems

- » Field Expansion Joints
 - Width of joint shall be a minimum of ¾" (19 mm) and shall not exceed 3" (76 mm) when Carlisle Expansion Joint Support is used.
 - All field expansion joints require membrane securement on both sides.
- » Edge Expansion Joints
 - Width of joint shall be a minimum of ¾" (19 mm) and shall not exceed 2" (51 mm) when Carlisle Expansion Joint Support is used.

- All edge expansion joints require appropriate membrane securement installed on the deck.
- » Expansion Joint filler must be installed prior to installation of Expansion Joint Support to help eliminate internal pressure and condensation.
- » When using reinforced membrane, allow extra membrane over Expansion Joints for movement of building.
- » Membrane flashing shall NOT be adhered over the Expansion Joint Support.

EPDM-Specific

- » For EPDM reference detail U-3A EPDM Deck-to-Deck Expansion Detail or U-3B EPDM Deck-to-Wall Expansion Detail.
- » Field Expansion Joint intersections and intersections between Expansion Joints to walls or edging use two layers of uncured Elastoform Flashing® with each layer 3" (76 mm) larger than the previous layer in all directions as per Detail U-3A.
- » All inside and outside corners require two corner applications of uncured Elastoform Flashing per Detail U-15.
- » All vertical field splices at the base of a wall or curb must be overlaid with a Pressure-Sensitive T-Joint Cover or a 6" x 6" (152 mm x 152 mm) section of uncured Elastoform Flashing centered over the field splice. For projects with 25- and 30-year warranties, or when using 90-mil membrane, all vertical splices must be overlaid with a T-Joint Cover and covered with a 12" x 12" (305 mm x 305 mm) piece of uncured Elastoform Flashing or T-Joint Cover. Both layers shall be centered and final layer sealed with a continuous bead of Lap Sealant. Refer to Detail U-2C.
- » On mechanically fastened systems, HP Fasteners and Polymer Seam Plates are required over steel decks.

TPO/PVC-Specific

- » For PVC or TPO reference detail U-3A PVC/TPO Deck-to-Deck Expansion Detail or U-3B PVC/TPO Deck-to-Wall Expansion Detail.
- » Approximately ⅛" (3 mm) diameter bead of Cut-Edge Sealant is required on cut edges of reinforced TPO membrane and is recommended (but not required) on cut edges of PVC or KEE HP membranes.
- » On mechanically fastened systems, HP-X™ Fasteners and Piranha™ Plates or HP-Xtra Fasteners and Piranha Plates are required over steel and wood decks. On concrete decks, CD-10 or HD 14-10 fasteners are used with Piranha Plates.

Review Carlisle specifications and details for complete installation information.

Sure-Seal EPDM

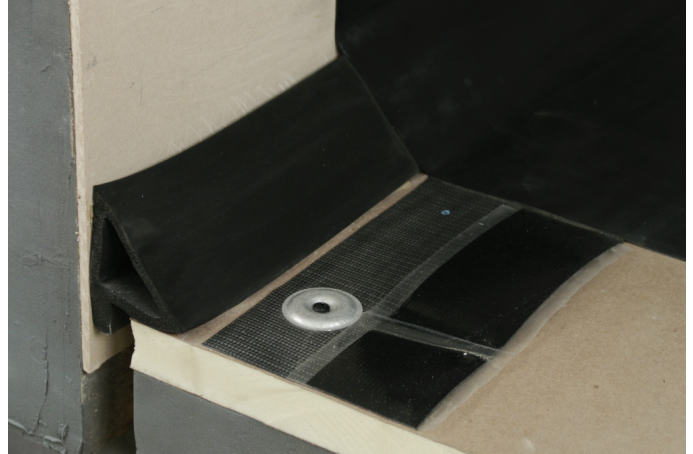
Expansion Joint Supports

Typical Properties and Characteristics

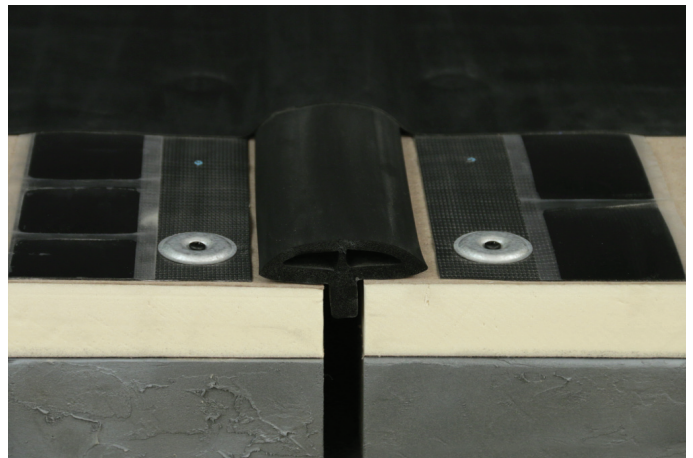
Base	Extruded EPDM Sponge
Profiles	Two – Edge and Field
Product Dimensions	
Edge Expansion Joint	4"H x 2.75"W
Field Expansion Joint	2"H x 4"W
Packaging	25 LF/Carton (7.6 m), 8 Cartons/Pallet
Weight (each)	20 Lbs/Carton (9.1 Kg)
Color	Black
Shelf Life	N/A

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Warren, OH
Solar Reflectance Index	N/A



Edge Expansion Joint: Part Number 300471



Field Expansion Joint: Part Number 300472