

WeatherBond EPDM

Expansion Joint Supports



Overview

WeatherBond's Expansion Joint Supports are made of high-quality extruded EPDM and are compatible with EPDM, TPO, 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. WeatherBond's Expansion Joint Supports allow for rubber-to-membrane contact and improved flexibility at joints.

WeatherBond'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 $\frac{3}{4}$ " (19 mm) and shall not exceed 3" (76 mm) when WeatherBond 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 $\frac{3}{4}$ " (19 mm) and shall not exceed 2" (51 mm) when WeatherBond 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 WBRC-3.1 Deck-to-Deck Expansion Joint Detail or WBRC-3.2 Deck-to-Wall Expansion Joint Detail.
- Field Expansion Joint intersections and intersections between Expansion Joints to walls or edging use two layers of Peel & Stick Uncured Flashing with each layer 3" (76 mm) larger than the previous layer in all directions as per Detail WBRC-3.1.
- All inside and outside corners require two corner applications of Peel & Stick Uncured Flashing per Detail WBRC-15.
- All vertical field splices at the base of a wall or curb must be overlaid with a Peel & Stick T-Joint Cover or a 6" x 6" (152 mm x 152 mm) section of Peel & Stick Uncured Flashing centered over the field splice. 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 Peel & Stick Uncured Flashing or T-Joint Cover. Both layers shall be centered and final layer sealed with a continuous bead of Lap Sealant. Refer to Detail WBRC-2.3.
- On mechanically fastened systems, HPW Fasteners and Polymer Seam Plates are required over steel decks.



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ROOFING SYSTEMS

Single-Ply Simplified

TPO/PVC-Specific

- For PVC or TPO reference detail WBPC-3.1 Deck-to-Deck Expansion Detail or WBPC-3.2 Deck-to-Wall Expansion Detail.
- Approximately 1/8" (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, HPWX Fasteners and HPWX Plates are required over steel and wood decks. On concrete decks, concrete fasteners are used with HPWX Plates.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Precautions

1. Use proper stacking procedures to ensure sufficient stability of the materials.
2. Exercise caution when walking on a wet membrane. Membranes are slippery when wet.
3. Membranes with Pre-Applied Tape should not be exposed to prolonged jobsite storage temperatures in excess of 90°F (32°C), otherwise the shelf life of the Pre-Applied Tape may be affected
4. When membranes with Pre-Applied Tape are used, shade the tape end of the rolls until ready to use in warm, sunny weather.

LEED® Information

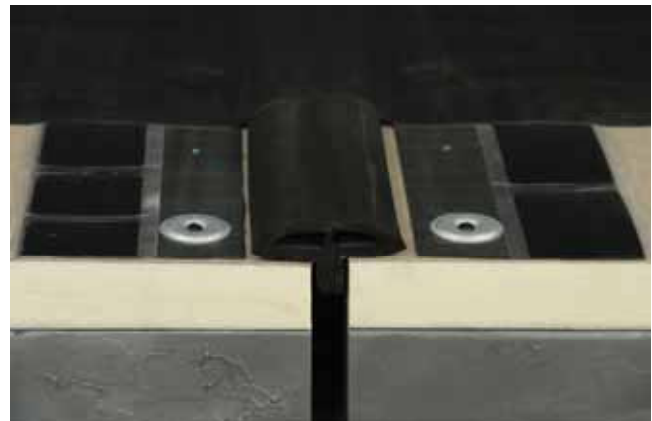
Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location(s)	Warren, OH
Solar Reflective Index	N/A

Typical Properties and Characteristics

Base	Extruded EPDM Sponge
Profiles	Two – Edge and Field
Product Dimensions Edge Expansion Joint Field Expansion Joint	4"H x 2.75"W 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



Edge Expansion Joint: Part Number 300471



Field Expansion Joint: Part Number 300472



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P.O. Box 251 | Plainfield, PA 17081 | 866.471.5125 | FAX: 717.960.4034 | www.weatherbondroofing.com

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