



Williams Products, Inc

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EVERLASTIC® WIDE JOINT SEAL

U.S. Patent Number 5-335-466

Description:

Everlastic® Wide Joint Seal is a pre-factory cured strip of silicone sealant adhered to rectangular polyurethane backer. The polyurethane backer is wider than the joint opening and the silicone is of a lesser width than the joint opening. The backer is compressed and placed into the joint, thus holding the cured silicone in a vertical position and leaving a recess on either side of the cured silicone and parallel substrate. A wet silicone sealant is caulked and tooled into the recess bridging the cured silicone and the interface of the parallel substrate.

Basic Use:

Everlastic® Wide Joint Seal is designed for sealing in vertical expansion and horizontal non-traffic joints. It forms a durable, flexible, weather-resistance silicone rubber when exposed to atmospheric moisture.



Installation:

Material is factory fabricated in lengths of 6'. Material is compressed and recessed 1/4" into joint opening. A wet silicone sealant is caulked into reveals. Material can be butted to bond lengths required (see instructions). Clean all joints prior to installing seal from loose particles, dust, foreign matter, grease, frost, water, etc.

Size Requirement:

Contact Williams Products Engineering for size applicable for your needs.

Color:

Available in standard Silicone colors.

Maintenance:

No maintenance should be required. If silicone seal becomes damaged, replace damaged portion. Clean surfaces in damaged areas and repair with fresh silicone sealant.

Note:

Everlastic® Wide Joint seal is also fabricated with a polyurethane sealant.

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Features:

1. Performance in respect to life expectancy, it lasts because its not affected by ozone or ultraviolet rays.
2. Primerless adhesion to a variety of substrates, including masonry and concrete, and no staining.
3. 50% ± movement capability.
4. Cost effective, no waste, you can purchase in exact lengths.
5. Easy to install. "No" cutting of substrates, mechanical fasteners, waiting for expansion to accure, or adhesives.

"Everlastic® The Better Choice"

1. **Standard Lengths.** Standard lengths of Everlastic® Wide Joint Seal are 6 feet. At one end of the seal the cured silicone is recessed 1/2", the other end is flush. The recessed end is used for butting head and butt joints.

2. **When Installing Wide Joint Seal.** Start at the top (head) of the joint. Compress the polyurethane backer and place in joint, recessing the face of the cured silicone 1/4 into the joint. When butting to the head or butt joint, only butt the polyurethane backer, thus leaving a reveal at the recessed end. Reveal is to be caulked with a wet silicone sealant recommended by Williams Products, Inc.

3. **Before Placing the Last Piece of Wide Seal.** Measure the distance from previously installed wide joint seal to the bottom (sill) of the joint. Measure the foam backer (not the silicone strip) and cut to desired length, using a sharp knife or hack-saw. The recessed end will butt to the previously installed wide joint seal, the flush end to the bottom (sill) of the joint. Make a cut (through the cured silicone only) 1/2" back from the flush end of the wide joint seal. Pull the cut silicone away from backer, leaving a 1/2" recess. Place the wide joint seal in joint. The recess at both ends will create reveals, which are to be caulked with a wet silicone sealant recommended by Williams Products, Inc.

4. **For Metal Cap or Coping.** Use flush end of wide joint seal for vertical and horizontal applications. Cut back 1-1/4" of the polyurethane foam (not the cured silicone) from the flush end of the wide joint seal that is to be used in the horizontal application. This will leave 1-1/4" of cured silicone that is void of backer. With the vertical wide joint seal placed with the flush end to the top of the joint. Place the horizontal piece so the cured silicone that is void of backer is resting on the backer of the vertically placed wide joint seal. This will create a void between tile cured silicone of the vertical and horizontal wide joint seal; which is to be caulked with a wet silicone sealant recommended by Williams Products, Inc.

5. **For a Horizontal Joint Butting a Vertical Joint.** Place wide joint seal in vertical joint. Butt flush end of horizontally placed wide joint seal to vertically placed wide joint seal. Caulk reveal created with wet silicone recommended by Williams Products, Inc.

How to Caulk Wet Silicone Sealant. Caulk each 6' section independently. Trying to caulk entire joint might take too long and the silicone may skin over making it difficult to tool. Caulk across the reveal at the head joint, then caulk down reveals on both sides of cured sealant and substrate. Tool the wet sealant.

NOTE: Caulk from the face edge of cured silicone to the face edge of the substrate, leaving a concave configuration after tooling.

