



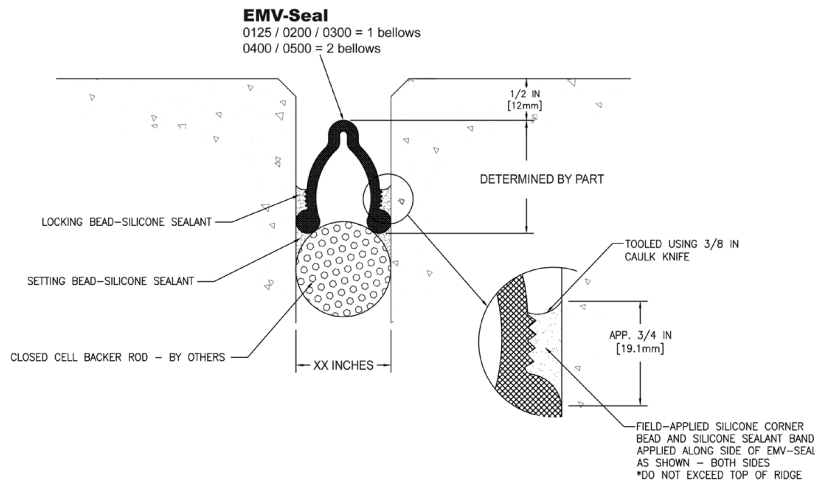
A SIKA COMPANY

# INSTALL GUIDE EMV-Seal



**IMPORTANT:** Do not handle this material until all members of your crew have read (or have been read to) all of these instructions. If any of your crew do not understand any of this information call EMSEAL.

## Installed EMV-Seal (Reference Illustration)



### Inspect/Prepare expansion gap surface and walls.

**Concrete:** Remove loose particles and weak concrete to ensure sound concrete. Spalls, chipped edges, and uneven surfaces must be repaired. Suitable patching material and proper patching geometry and techniques must be used to create parallel joint face.

*Note: DO NOT use a wire wheel on concrete – this will polish the substrate and cause bond-failure.*

**Metal:** Sandblast or grind to rough, white metal and solvent-wipe immediately prior to application of silicone setting bead.

### Install in proper climate conditions.

Installation of EMV-Seal should only occur in dry conditions where the application surface temperature is 40° F (5° C) and rising.

### Unroll EMV-Seal.

Upon opening and unrolling EMV-Seal gland be sure to wipe the surfaces clean. Acetone can be used with a clean lint-free cloth.

### Place backer rod into gap.

Choose and provide an appropriate diameter of backer rod equally to, or slightly larger than, the width of the gap at time of installation. It should be snug and able to hold itself in place. Backer rod should be dry fit at a depth where the folded EMV-Seal placed on top of it will leave a 1/2" (12mm) min. gap between the top of the EMV-Seal bellows and the wearing surface (If a chamfer exists, be sure to install 1/2" below bottom edge of chamfer).

### Apply setting bead of Sikasil® WS-295 to top of backer rod-to-wall gap.

Apply a continuous 3/8" to 1/2" setting bead of Sikasil® WS-295 silicone to the joint faces at the depth the EMV-Seal bulbs will rest.

### Insert V-Seal into gap.

Fold the EMV-Seal profile and insert into the expansion joint opening. Allow the seal to open and press into the adhesive beads to ensure contact with the bead and joint faces.

### Apply locking bead of silicone.

Apply the locking bead of Sikasil® WS-295 in the joint over the bulbs. Do not apply the bead any higher than the serrations in the joint profile. Use a caulking tool to smooth the bead and to ensure that it makes full contact with the EMV-Seal gland and the joint substrate.

### Allow to dry.

Under dry weather conditions allow a minimum 1 hour after tooling before permitting any vehicular/pedestrian traffic over the finished expansion gap. EMV-Seal should be allowed a min. of 24 hours of moisture-free cure time.

## Splicing Procedure:

1. When splicing, a miter box and a long sharp knife are recommended to maintain straight and precise cuts.
2. When cutting EMV-Seal, be sure to dry-fit joining pieces to ensure each section of gland fits properly as a continuous assembly from one section to the next. Clean and precise cuts should be strived for to ensure a clean “weld” or “joining” of the material is achieved.
3. Per standard installation procedures, install backer rod followed by first bead of locking adhesive (silicone) to joint substrate.
4. Apply supplied locking adhesive (silicone) to each spliced edge that will be joined together.
5. Insert each spliced piece one at a time into the joint gap so that both spliced ends meet each other to form one seamless and continuous run of material. Apply ample pressure to the two adjoining pieces to avoid any gap between the adjoining faces of material.
6. To install the spliced material to the recommended install depth, apply light pressure evenly to both pieces of material to ensure the spliced units do not move away from each other.
7. Reexamine and inspect for any gaps that may have occurred while recessing the joint material to the appropriate depth.
8. Apply finishing locking beads to topside of EMV-Seal bulbs.
9. Once finishing locking beads have been installed, apply a 3/8” bead of locking adhesive (silicone) across the splice. Be sure to cover the entire splice from one side of the substrate, up and over the splice area on the joint material, and down to the adjacent deck substrate.
10. Tool and flatten the splicing bead to cover a minimum of 3/8” on either side of the splice. This will ensure that enough locking adhesive (silicone) is used to “weld” or “join” the two spliced pieces firmly together. Tool and feather using a metal or wooden caulking tool to ensure a smooth watertight seal across the entire spliced area.