



BUILDING TRUST



INSTALL DATA SHEET

Seismic Colorseal®

Do not install this material until all members of your crew have read and understand these instructions. If you do not understand any part of these instructions CALL SIKA EMSEAL at 1-800-526-8365

Installation Equipment & Material Storage

In addition to general specialty-concrete-preparation tools such as diamond saws, grinders, wire brushes, utility knives, etc., the following are required:

- Tape measure
- Serrated edge knives (8-inch / 200 mm or longer)
- Caulking gun and caulk knives
- Spray bottle filled with water
- Acetone, lint-free rags, & clean paint buckets

Cold Days – Store sealant, off the floor, inside at above 68°F (20°C). It will recover slower when cold and faster when warm.

Very Hot Days – Keep sealant out of direct sun when temperatures greater than 60°F (15°C) until immediately prior to installation into joint.

Storage – The application of heat can accelerate expansion rate of material that has been stored an extended amount of time.

[Consult Sika Emseal](#)

Pre-Installation

- Ensure joint faces are parallel and have sufficient depth to receive the full depth of the size(s) of Colorseal being installed plus at least 1/4-inch (6mm) for the application of corner beads.
- Repair spalled, irregular or unsound joint surfaces using accepted industry practices for repair of the substrates in question.
- Remove protruding roughness to ensure joint sides are smooth.
- Remove all residues of old sealants. Wire-brush or angle-grind, if necessary, to clean sides.
- Wipe joint faces with lint-free rags dipped in solvent or other agent suitable for use on the substrates in question to ensure joint sides are free of dust, previous sealant, oils, grease, etc.
- Ensure joint sides are dry of solvent or cleaning agent prior to installation.

DO NOT REMOVE OUTER PACKING UNTIL YOU READ THESE INSTRUCTIONS

- Proper performance of expansion seals necessitate proper installation from beginning through completion.
- Improper handling will cause product to expand prematurely.

1. Locate & Organize Material

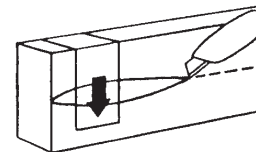
Material has been supplied to your mean-temperature field measurement of joint widths. 1 1/2" widths and wider are manufactured as straight sticks. Under 1 1/2" widths are supplied on reels. Joint widths for material supplied are marked on the packaging.

- Locate & organize material based on what you plan to install.
- Compare material width marked on each package against joint width.

Actual material width measured between hardboard will be slightly less than indicated joint width. If unsure of correct material selection, [consult Sika Emseal](#).

2. Open Plastic Packaging

- Slit the plastic packing by cutting on the hardboard and remove hardboard and inner release liner. DO NOT cut along the sealant bellows.



IMPORTANT: Work quickly and deliberately after cutting the shrink-wrap to avoid material expanding beyond a usable size.

3. Wipe Release Agent Off Sealant Facing

- For packaging and production reasons, the sealant facing is coated in the factory with a release agent.
- Prior to installation, this agent must be wiped off using a lint-free rag dipped in water in order for the corner beads described in Step 7 to adhere to the sealant facing and to avoid contamination of the substrate at this point.
- Lightly, quickly and thoroughly wipe the cured sealant facing with a lint-free rag made damp with water to remove the release agent.

4. Remove Adhesive Release Paper* and Install Into Joint.

- *On sticks only – Peel off release paper to expose mounting adhesive on one face of material.
- ‘Feed’ material into joint, working sequentially in one direction starting at the bottom of the joint.
- Always push material — DO NOT PULL IT — to prevent stretching (Start at bottom of wall and work up).
- Recess a minimum of 1/4-inch (6mm) from wall surface.
- Use a stiff-bladed putty knife to press the adhesive side of the material firmly against the substrate so that it will hold in place while it expands.

TIP – If material binds, lightly spray the putty knife and/or self adhesive with water from the spray bottle to help it slide into joint-gap.

- If necessary use small — approx. 3-inch (75mm) — pieces of used hardboard packing as wedges to hold sections in place while they expand.
- For changes in direction and plane see Step 8.

5. Apply Sealant to Edge of Sealant Facing

- Apply thin bead of sealant to the end of the sealant facing following the shape of the bellows.
- Use correct grade and color of sealant as supplied.

6. Joining Successive Lengths

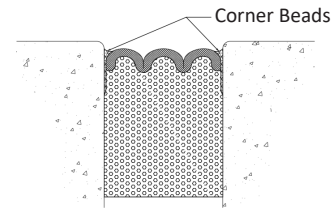
- Insert first piece of material as described in Step 4 but leave end protruding up and out of joint.
- Place end of next section against end of first piece.
- Leaving joint protruding from joint, insert the rest of this section of material into joint.
- Finally push protruding joint sections down and together ensuring there’s no voids at joints.
- During low temperature installation, ambient heat can be applied around installed foam to accelerate recovery.
- Using a caulk knife, tool any sealant that squeezes out of the joint and blend it into the precured bellows. Be sure not to fill in the valleys of the bellows as this will constrain movement.



7. Install Corner Beads

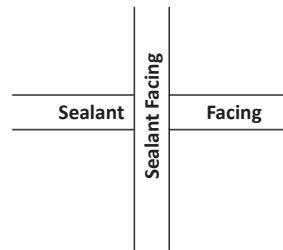
- Corner Beads are required with [Seismic Colorseal®](#)
- Wait until material is expanded fully against both sides of the joint.
- Ensure that material and joint sides are dry if water spray was used to facilitate installation.
- Gun a bead of sealant where the precured sealant facing meets the substrate.
- Tool the corner bead firmly against the substrate and sealant facing.

IMPORTANT: Sealant left between the wrinkles of the bellows could constrain movement - using a caulk knife, remove excess sealant and blend what remains into the bellows.

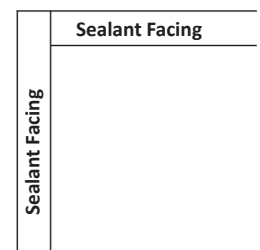


Section – Final Installed Detail
(Corner Beads Shown)

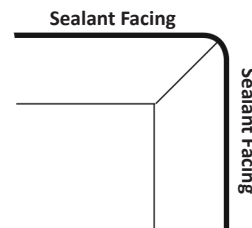
8. Direction Changes



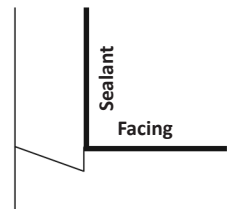
Cross Transition (Elevation)



Corner Transition (Elevation)



Outside Corner Transition
(Section)



Inside Corner Transition
(Section)

For factory-fabricated transitions see [Universal-90's](#)

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