EMSEAL®

INSTALL DATA

COLORSEAL™ & 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 EMSEAL AT 1-800-526-8365

1 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
- Power miter-saw with standard (not carbide-tipped) wood blade (for 3-inch and larger material a min. 14-inch power miter saw is required)
- Caulking gun and caulk knives
- Spray bottle filled with water
- Toluene, 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.

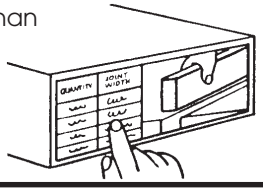
2 Pre-Installation

- 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.

3 Find and Open Correct Box

Material has been supplied to your mean-temperature field-measurement of joint widths. Joint widths for material supplied are marked at the end of each box.

- Find correct box and open it.
- Compare material width marked on each stick against joint width.
- Actual material width measured between hardboard will be slightly less than indicated joint width. If unsure of correct material selection, consult EMSEAL.



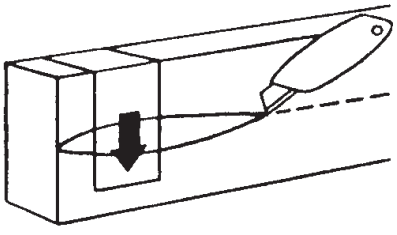
4 Do not remove outer plastic packing until you read and understand the rest of these instructions.

A. Proper performance of expansion seals necessitate proper installation from beginning through completion.

B. Improper handling will cause product to expand prematurely.

5 Open Plastic Packaging

- The sealant is held under compression by hardboard and plastic wrapping. When ready to install, slit the plastic wrapping by cutting on the hardboard, discard hardboard and inner release liner.
- DO NOT CUT ALONG SILICONE-COATING FACE -- YOU MAY CUT THROUGH IT



6 Wipe Release Agent off Silicone Facing

- For packaging and production reasons, the silicone facing is coated in the factory with a release agent.
- Prior to installation, this agent must be wiped off using a solvent in order for the fillet beads described in Step 10 to adhere to the silicone facing and to avoid contamination of the substrate at this point.
- Lightly, quickly and thoroughly wipe the cured silicone facing with a lint-free rag made damp with toluene to remove the release agent.

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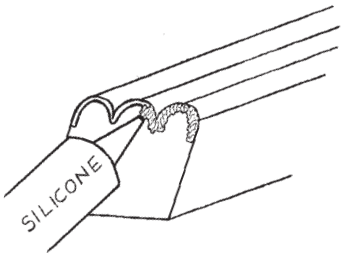
7 Apply Sealant to Edge of Silicone Facing

- Apply thin bead of sealant to the end of the silicone facing only. Use correct grade and color of sealant as supplied.

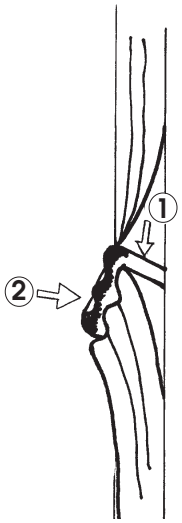


8 Remove Adhesive-Release Paper & Install Into Joint

- 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 3/8" (9mm) 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 11.

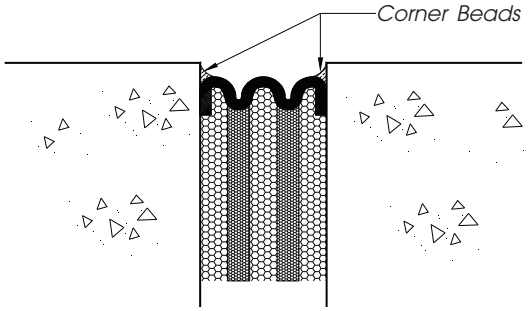
9 Joining Successive Lengths

- Insert first piece of material as described in Step 8 but leave end protruding up and out of joint.
- Place end of next section against end of first piece ①.
- Leaving join just made protruding from joint, insert the rest of this section of material into joint.
- Finally push protruding join section into joint ②.
- Blend silicone bead applied in Step 7 to silicone facing.



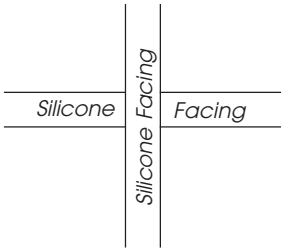
10 Install Corner Beads

- *Corner Beads are required with SEISMIC COLORSEAL™ and 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.
- On certain non-porous surfaces, such as metal, prime with Dow 1200 primer. Consult EMSEAL.
- Gun a caulking bead where the sealant facing meets the substrate.
- Tool the corner bead firmly against the substrate and silicone facing.

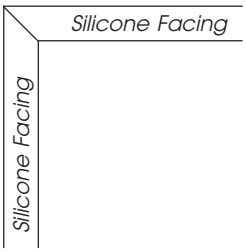


Section - Final Installed Detail
(Corner Beads Shown)

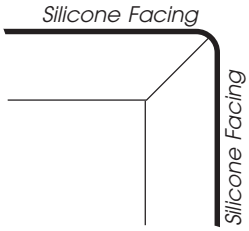
11 Direction Changes



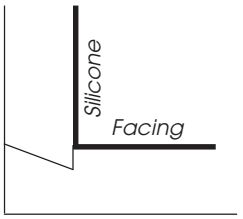
Cross Transition (Elevation)



Corner Transition (Elevation)



Outside Corner Transition (Section)



Inside Corner Transition (Section)

For factory-fabricated transitions see Universal-90's

Printed with soy-based inks on acid-free, recycled, chlorine-free paper.

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