



# 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

# INSTALL DATA

## 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.

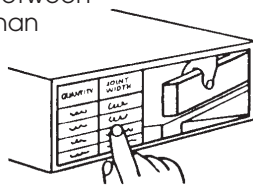
## 2 Pre-Installation

- 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.



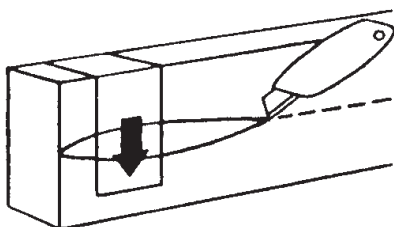
## 4 Do not remove outer plastic packing until you read and understand the rest of these instructions.

**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

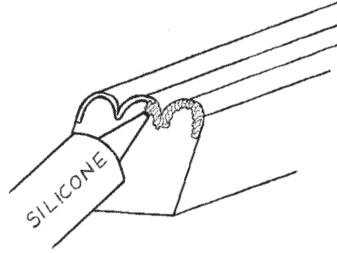


## 6 Wipe Release Agent off Silicone Facing

- 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.

## 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.

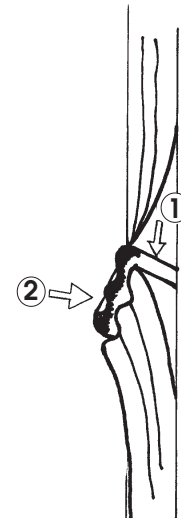


## 8 Remove Adhesive-Release Paper & Install Into Joint

- 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.

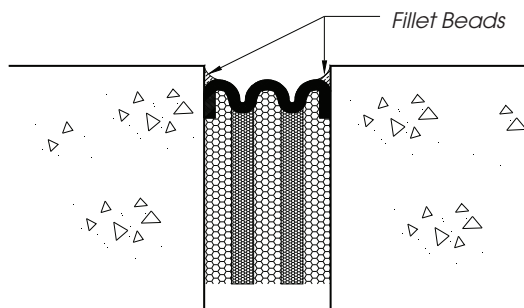
## 9 Joining Successive Lengths

- 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 joint just made protruding from joint, insert the rest of this section of material into joint.
- Finally push protruding joint section into joint ②.
- Blend silicone bead applied in Step 8 to silicone facing.



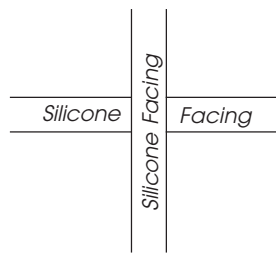
## 10 Install Fillet Beads

- *Fillet 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 fillet bead firmly against the substrate and silicone facing.

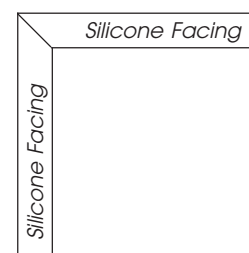


Section - Final Installed Detail  
(Fillet Beads Shown)

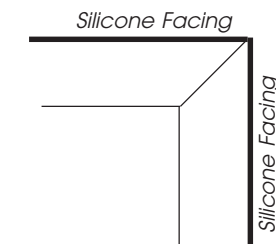
## 11 Direction Changes



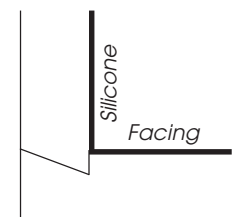
Cross Transition (Elevation)



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.