

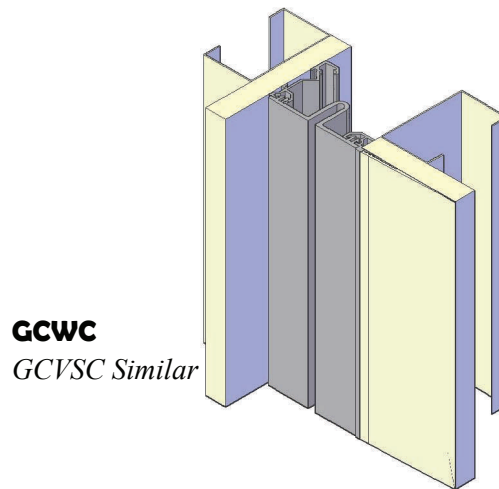
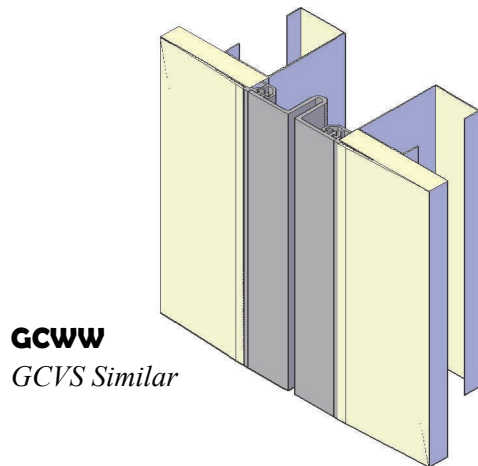
GCWW & GCVS Models

Installation Instructions

Parts:

A. Base Members B. Face Seal C. Anchors

G **CWW & GCVS Models** - The following installation instructions are very important. Read them carefully, and be sure you understand them completely, before you begin any work. Refer to Balco shop drawings for placement dimensions and anchor spacing.

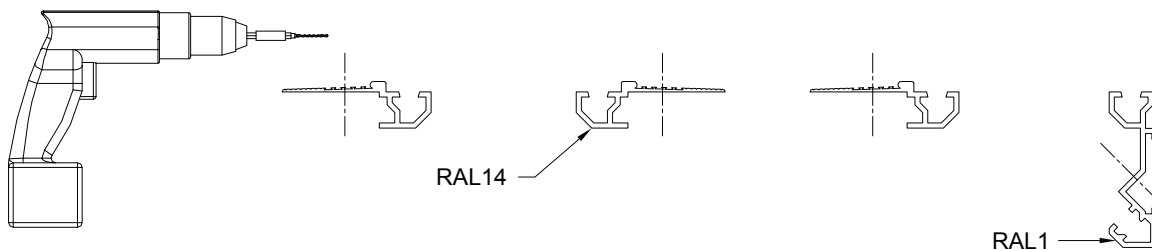


Step 1: Drill Base Member Anchor Holes

Select one section of base member for installation. Mark and drill the base member anchor holes. Anchors should be spaced a maximum of 3" from each end of the extrusion. Reference Balco approved shop drawings for O.C. anchor spacing requirements.

If fire barrier is to be installed with the expansion joint cover, anchor hole spacing for the expansion joint cover should reflect the fire barrier's anchor spacing requirements.

- ◆ Repeat as necessary for each subsequent and opposite section of base member.



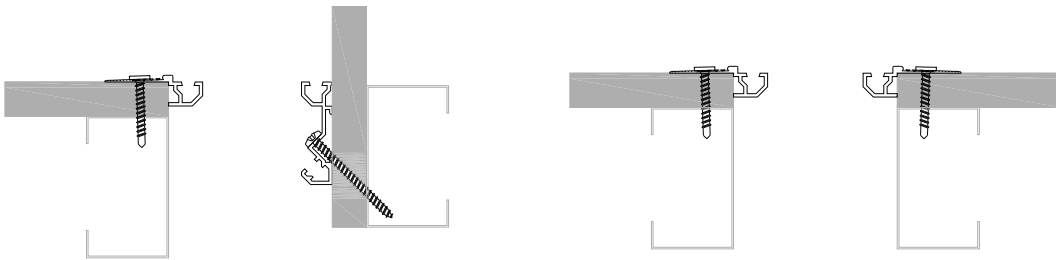
Step 2: Install Fire Barrier / Water Barrier (If Required)

If required, fire barrier or water barrier should be installed at this time. Reference the appropriate instructions for information on how to install these products.

Step 3: Attach Base Members to the Wall / Ceiling

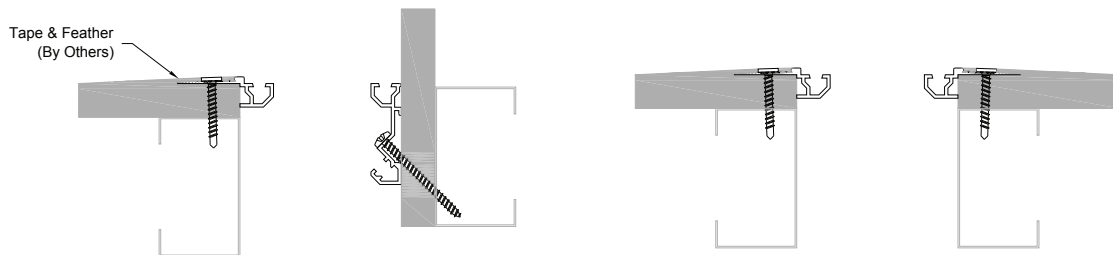
Select one section of drilled base member and place it into position against the wall or ceiling. Ensuring that the base member is level and properly aligned, attach the base member to the wall using the factory provided anchors.

- ◆ Repeat as necessary for each subsequent and opposite section of base member.



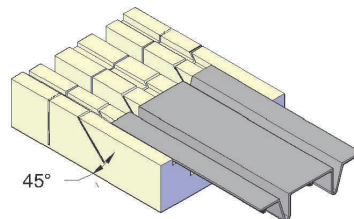
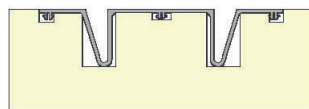
Step 4: Tape & Feather (By Others)

If the edges of the base member are to be feathered, do so at this time. Balco does not provide materials for use in feathering the base member edges. Take care to ensure that the feathering materials do not obstruct the base member's seal channel.



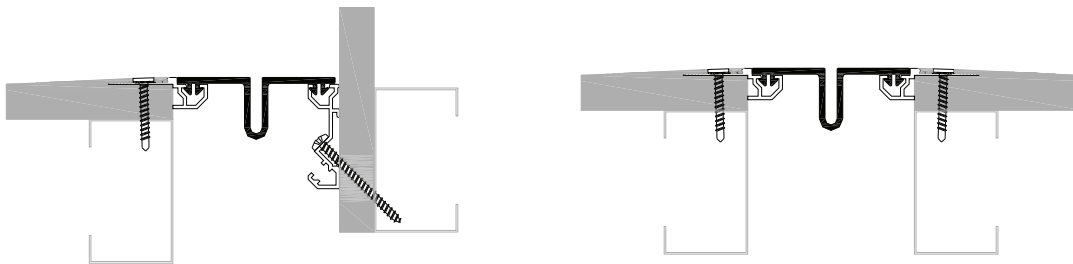
Step 5: Build the Miter Box (Recommended)

Balco, Inc. recommends field constructing a miter box to aide in cutting and mitering the face seal. The miter box should be wide enough to easily accommodate the width of the face seal.



Step 10: Install the Face Seal

1. Measure and mark the face seal at the desired cut length. Place the face seal in the miter box, flood with water for lubrication, and cut with a hack saw. Cutting in a single stroke will minimize the potential for ragged edges.
2. Attach the face seal to the base member by inserting the face seal's arrows into the base member's seal channel. Using a wall paper roller (1/2" wide, by others) roll the arrows into the tracks continuously along the length of the track.
 - *Lubricating the face seal's arrows with soapy water may ease this process. Do not use oils or oil based lubricants.*



Transitioning & Splicing Santoprene Face Seals

Recommended Tools:

1. *Splicing Iron*, commercially available from J.P. Specialties, Inc.
[551 Birch St., Lake Elsinore, CA 92530; Phone: (800) 821-3859. The dimensions of the Splicing Iron are dependant upon the width of the face seal.]
2. *Thermocutter (Heat Knife)*, commercially available from Abbeon Cal, Inc.
[123 Gray Ave., Santa Barbara, CA 93101; Phone (800) 922-0977]
3. *Miter box* (by others)

Note:

Santoprene may be spliced using the heat fusing process or the optional adhesive splice kit.

Heat Fusing - Straight Line Splices

1. Select the mating sections of face seal and the splicing iron or heat knife.
2. Using the splicing iron or heat knife, heat the ends of the each mating face seal section until molten. *Do not allow the Santoprene to heat until the material begins to bubble.*
3. Remove the fusing tool and press the heated ends of the face seal sections together. Ensure that the sections of face seal are properly aligned and level with one another.
4. Allow the splice to cool for (2) minutes.
(The heat knife / splicing iron should be cleaned with a wire brush after each splice.)
5. If desired, use a soldering iron to burnish (smooth) the front surface of the splice.
6. Complete the installation of the face seal per the instructions provided.

Heat Fusing - 90° Corner Transitions

1. Miter each of the mating base member ends at 45° to create a 90° corner and attach to the wall per the instructions provided.
2. Install the mitered subchannels per the instructions provided.
3. Select the mating sections of face seal. Using the miter box and a hack saw, miter each end of the mating sections of face seal at 45° to create a 90° corner. Ensure that the face seal is of sufficient length so that the entire miter will extend just above the corner of the substrate when installed.
4. Select the splicing iron or heat knife. Place the end of each mating section of face seal against the fusing tool and allow to heat until the Santoprene becomes molten. *Do not allow the Santoprene to heat until it bubbles.*

Heat Fusing - 90° Corner Transitions (Continued)

5. Remove the fusing tool and press the heated ends of the face seal sections together. Ensure that the ends are level and properly aligned.
8. Allow the splice to cool for (2) minutes.
(The heat knife / splicing iron should be cleaned with a wire brush after each splice.)
9. If desired, use a soldering iron to burnish (smooth) the front surface of the splice.
10. Complete the installation of the face seal per the instructions provided.

Adhesive Splicing (For Optional Adhesive Splice Kit)

1. Once any necessary mitering has been completed, and the face seals have been cut to the desired length, select the Adhesive Splice Kit. *(Reference the “Heat Fusing” instructions for information on mitering face seals and extrusions.)*
2. Using a toluene and a clean rag, clean the mating seal surfaces.
3. Select the primer and one brush from the Splice Kit. Apply the primer to the mating seal surfaces.
4. Select the adhesive and a clean brush from the Splice Kit. Apply the adhesive to each end of the mating surfaces.
5. Press the mating surfaces together and hold them together for at least (1) minute.
6. Finish installing the face seal in accordance with the installation instructions provided.