

Installation Instructions

Joint System: 797L-G01/G02

Note: Verify that the structural gap is in conformance with submittal data before beginning installation. If this is a Fire Rated Assembly, install the fire barrier before the Architectural Joint System. Refer to the fire barrier instructions for specific system installation.

For installations subject to non-conditioned applications, a thermal gap is required between the end-to-end connections of the frames and covers. When installing in warm conditions (ie- 75F / 22C or greater), the covers can abut each other directly, however during cooler weather installs (70F / 21C or less), the recommended gap width between frames and covers is 1/8" (3mm) min. Prior to installing the next frame in sequence, apply polyurethane sealant (By Others) to the end of the frame / cover before seating the next profile.

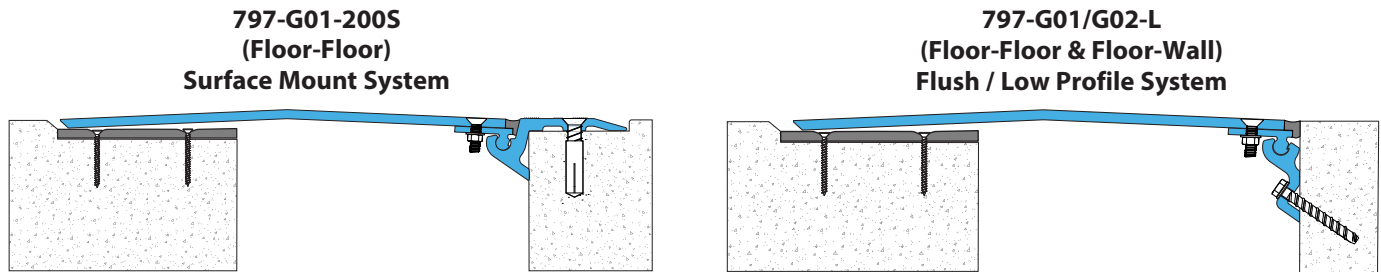
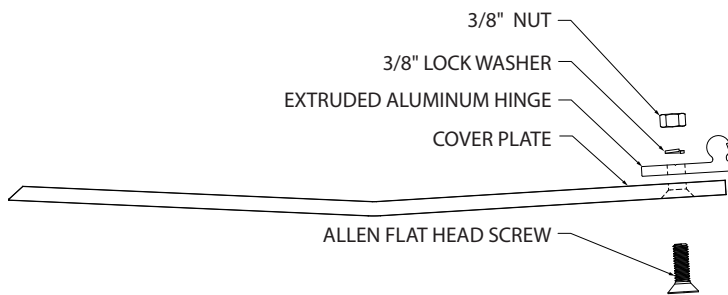


Figure 1 (Low Profile & Surface Install)



Before installation

1. Ensure blockout is level and free of voids. Verify depth and width against system drawings. Install the architectural joint system on a level surface within the blockout. Ensure the inside face of the joint opening is plumb and straight.
2. Verify if water proofing measures are required. If so, follow product specific installation instructions.

Figure 1

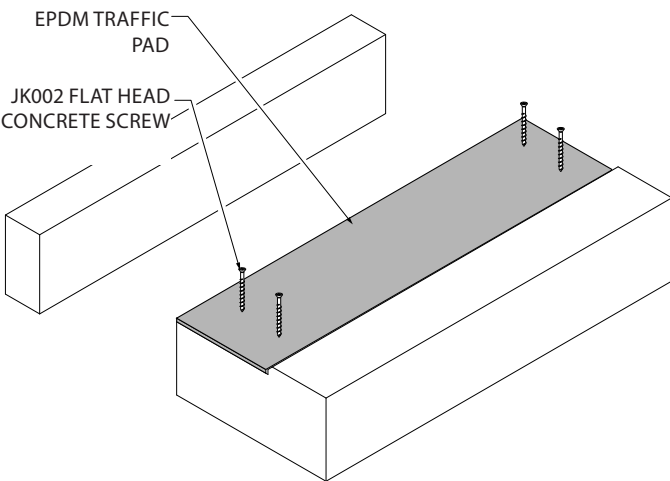
3. Flip cover plate upside down on a protected surface. Fasten the supplied extruded aluminum sheer hinge to the cover plate using the supplied 3/8-16 X 1 1/4" stainless steel flat head screw, 3/8" lock washer, and 3/8" nut found in hardware kit (JK230)

NOTE: The hinge component's length and hole location may vary depending on joint width. Verify length and alignment before installation.

Figure 2

4. Prep slab to provide a clean, porous surface prior to installation of the EPDM Traffic Pad.
5. Install the EPDM Traffic Pad first. Ensure the width of the EPDM Traffic Pad matches the blockout width.
6. It is recommended to use a bed of butyl / polyurethane sealant (by others) to adhere the EPDM pad to concrete.
7. Roll out the EPDM to the desired length.
8. Using a 3/16" [4.7mm] concrete drill bit, drill through the EPDM Traffic Pad into the concrete to a total depth of 2" [50mm].

Figure 2 (Low Profile & Surface Install)



IPC.3162/REV.5

JOINTMASTER® Expansion Joint Systems

inpro.com • 800.222.5556 • 262.679.9010

World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

Installation Hotline: 866.394.6776

inpro®

Installation Instructions

Joint System: 797L-G01/G02

Figure 3 (Low Profile Install)

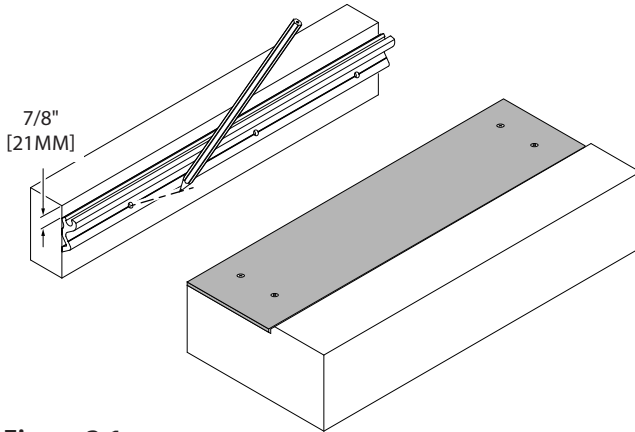
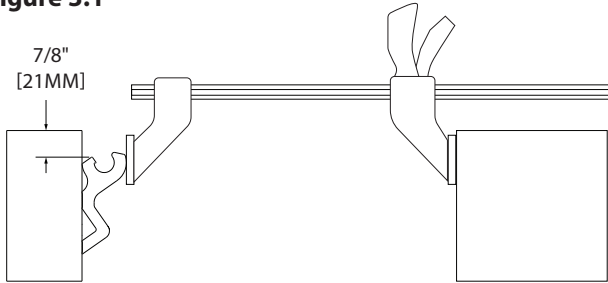


Figure 3.1



9. Secure the EPDM Traffic Pad to the concrete using a 1/4" [6.3mm] x 1 3/4" [45mm] Flat Head Concrete Screw (JK002). Sink the heads of the screws about 1/8" [3mm] below the EPDM sheet surface

Figure 3: Low Profile Install

10. Position hinge frame against the non-blockout side of the expansion joint. Ensure the edge of the joint is square and runs straight without bump outs or recesses. Brace wall frame against expansion joint using a spanner clamp. (see Figure 3.1)
11. With the back side of the frame 7/8" [21mm] below the edge of the joint, mark the pre-drilled hole locations on the substrate.
12. Drill marked hole locations using 3/8" [10mm] wide concrete bit 3" [75mm] deep.

Figure 3.A (Surface Mount Install)

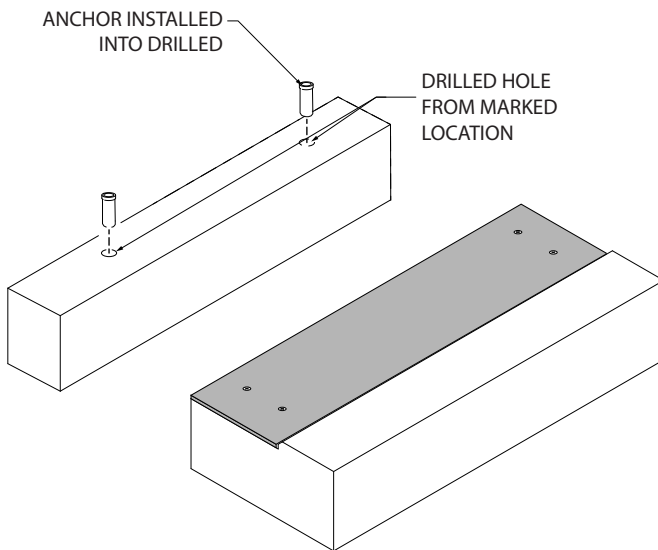


Figure 3.A: Surface Mount Install

- 10a. Position surface mount hinge frame within the block out. Ensure the angled leg under the hinge channel of the frame is touching flush against the inside of the expansion joint.
- 11a. Using the hinge frame as a template, predrill pilot holes using a 3/8" [9.5mm] concrete drill (not provided) through the countersunk holes to a depth of 1 1/2" [38mm]. Remove the plate.
- 12a. Using the provided 1/2" [12mm] concrete drill bit (JKSS24-1), drill through the EPDM pad and concrete to a total depth of 2 1/8" [54mm] using a depth-stop mounted on the drill for consistency. Vacuum and blow out holes thoroughly to remove all debris/ dust. Using the supplied AC100 Gold anchoring epoxy (JK210), inject a pea size amount (1/4" [5mm]) into the hole. Insert the drop-in anchors (JKSS24) and seat to bottom of hole. Insert the supplied setting punch (JKSS24-2) and hammer down sharply 4-5 times to set the internal plug securely.

Installation Instructions

Joint System: 797L-G01/G02

Figure 4 (Low Profile Install)

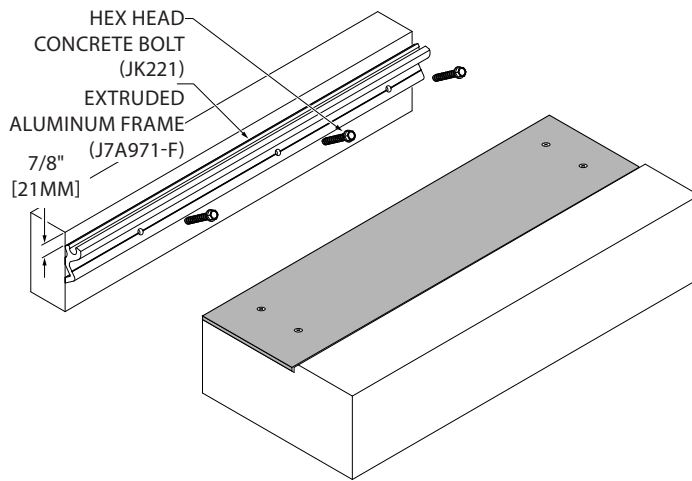


Figure 4: Low Profile Install

13. Return the frame to the expansion joint and secure the frame into place using the supplied 3/8 x 4" [10x100mm] hex head concrete screw.

NOTE: Ensure the frame does not curve or bend along its length more than a 1/16" [2mm] to prevent installation complications.

Figure 4.A (Surface Mount Install)

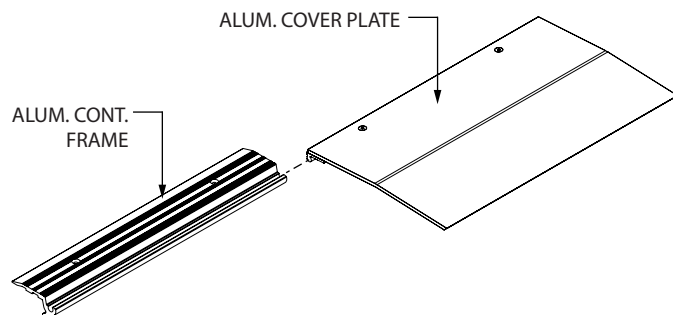


Figure 4.A: Surface Mount Install

- 13a. Slide cover plate assembled from figure 1 into circular channel in the floor frame.
- 13b. Return frame to the expansion joint and secure into place using a #4 Phillips Head bit, install 3/8" [10mm] Flat Head Machine Screw (JKSS25) tight.

(See Figure 6 for final install step)

Installation Instructions

Joint System: 797L-G01/G02

Figure 5 (Low Profile Install)

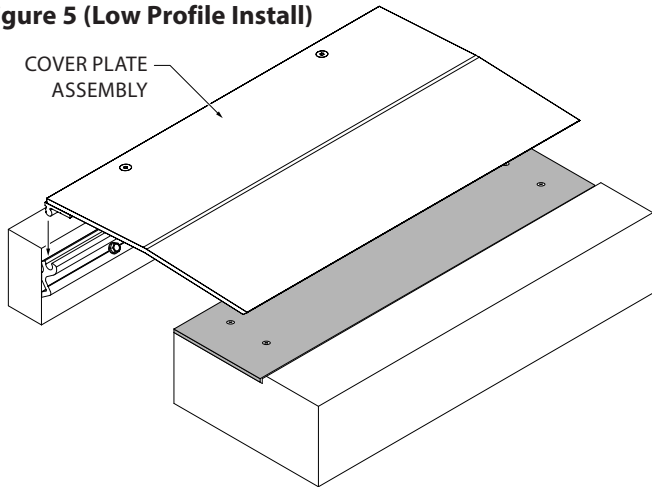


Figure 5: Low Profile Install

14. Position cover plate and hinge assembly over the expansion joint. Place rounded knuckle of hinge into the groove of the wall frame. (See Figure 5.1)
15. Lift the front edge of the coverplate upward, keeping the knuckle centered on the frame. The hinge will drop into the wall frame with an audible snap. (See Figure 5.2)
16. Drop the cover plate down to its final position. The non-beveled side of the cover plate should sit flush with the top of the finished slab. (See Figure 5.3)

Figure 5.1

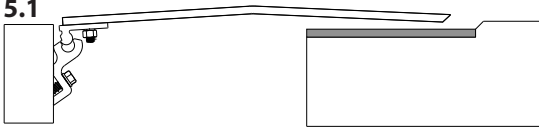


Figure 5.2

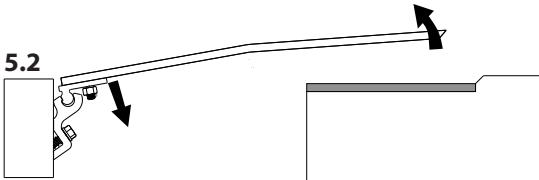


Figure 5.2

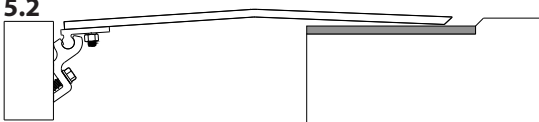
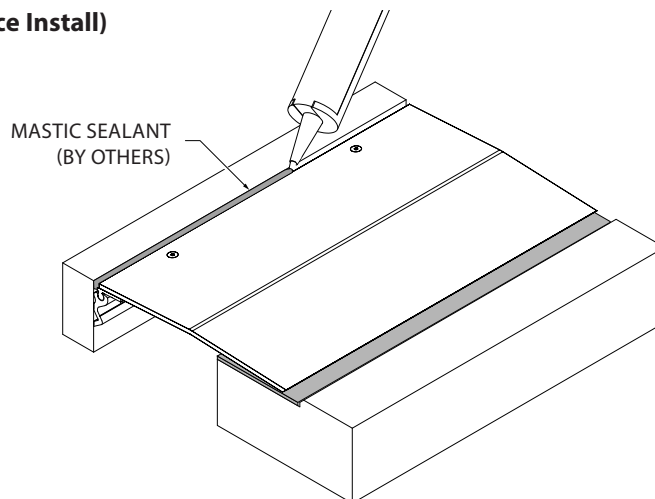


Figure 6

17. After plate is installed, apply a continuous bead of mastic sealant (By Others) along gap between the edge of slab and edge of the cover plate.

Figure 6 (Low Profile & Surface Install)



JOINTMASTER® Expansion Joint Systems

inpro.com • 800.222.5556 • 262.679.9010

World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

Installation Hotline: 866.394.6776

inpro®