

Installation Instructions

Joint System: 797L-G01/G02

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

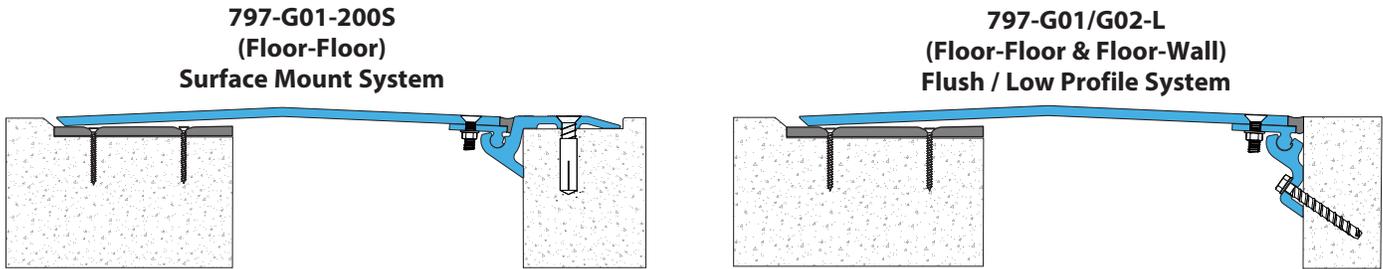


Figure 1 (Low Profile & Surface Install)

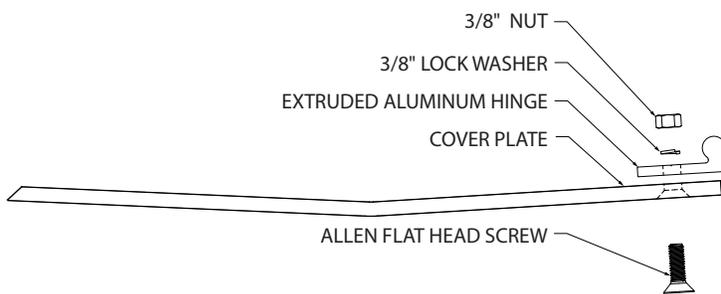
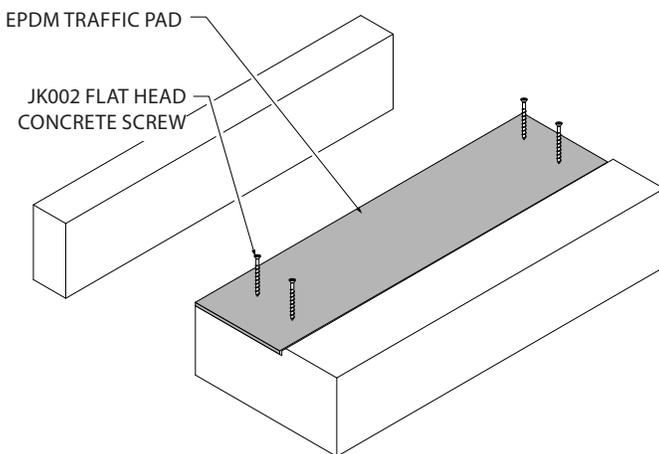


Figure 2 (Low Profile & Surface Install)



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 1/8" [3mm] concrete drill bit, drill through the EPDM Traffic Pad into the concrete to a total depth of 2 1/2" [64mm].
9. Secure the EPDM Traffic Pad to the concrete using a 3/16" [5mm] x 2 1/4" [57mm] Flat Head Concrete Screw (JK002). Sink the heads of the screws about 1/8" below the EPDM sheet surface

IPC.3162/REV.2

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Figure 3 (Low Profile Install)

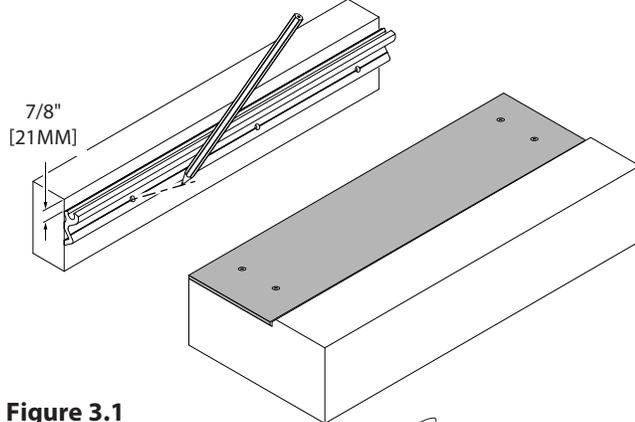


Figure 3.1

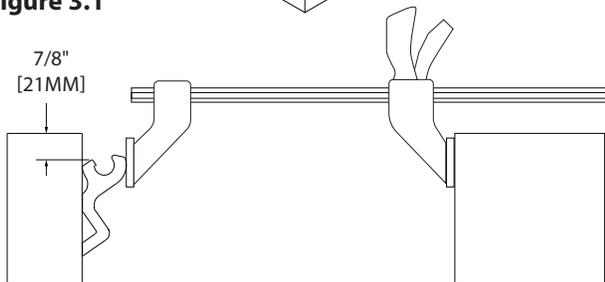


Figure 3: Low Profile Install

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)

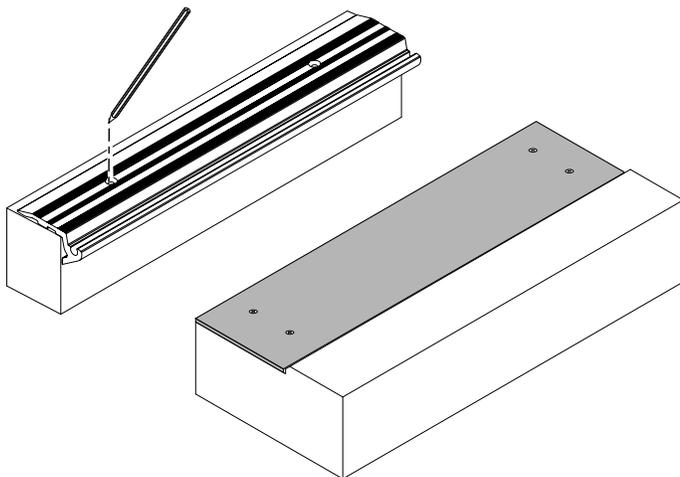


Figure 3.A: Surface Mount Install

- 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. Mark the pre-drilled hole locations on the substrate.
- 12a. Drill marked hole locations using 3/8" [10mm] wide concrete bit to a total depth of 2 1/2" [63mm] deep. Vacuum holes to remove debris.

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Figure 4 (Low Profile Install)

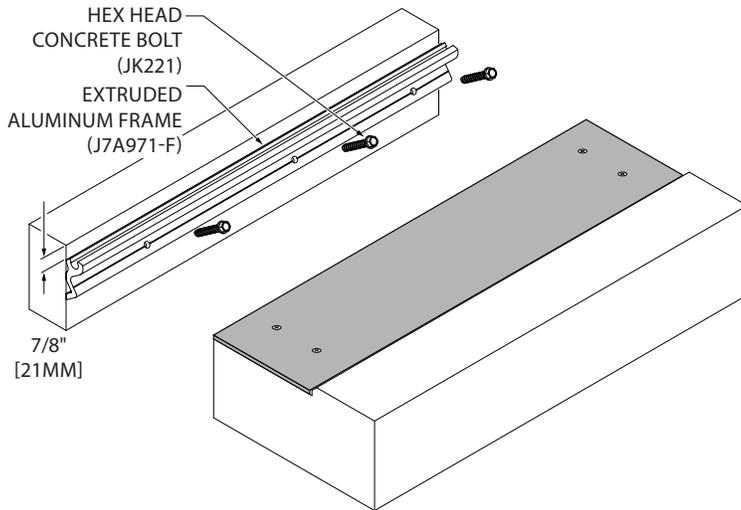


Figure 4: Low Profile Install

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)

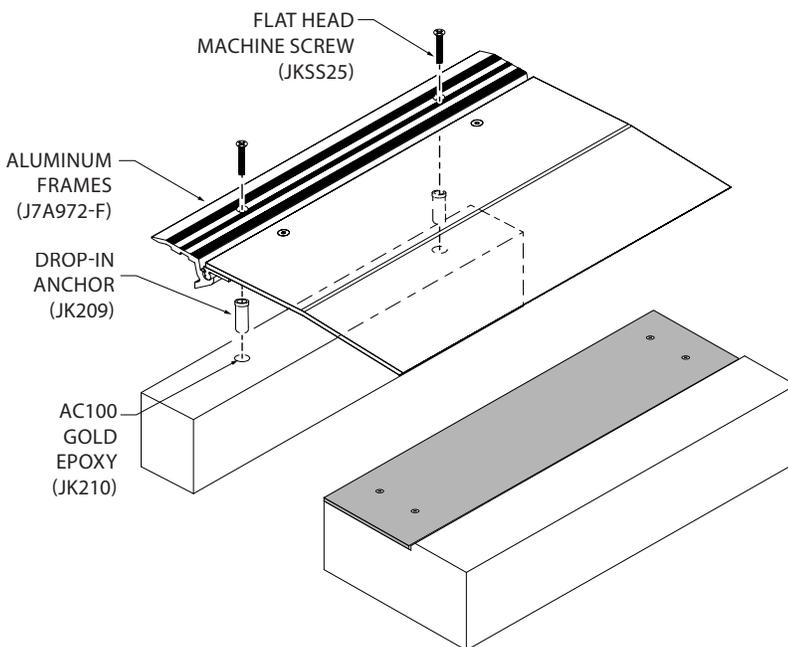


Figure 4.A: Surface Mount Install

- 13a. Slide cover plate assembled from figure 1 into circular channel in the floor frame.
- 14a. Using the supplied AC100 gold anchoring epoxy (JK210), inject a pea ($\varnothing 1/4"$ [5mm]) sized amount into the holes.
- 15a. Place the drop in anchors (JK209) into the hole. Insert the supplied punch into the drop in anchor, hammer the anchor down 4-5 times (or use a hammer drill) to activate the internal thread epoxy.
- 16a. 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)

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Figure 5 (Low Profile Install)

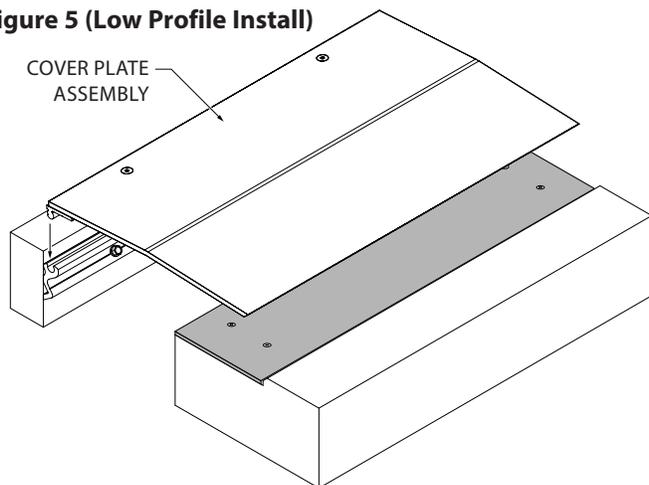


Figure 5: Low Profile Install

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

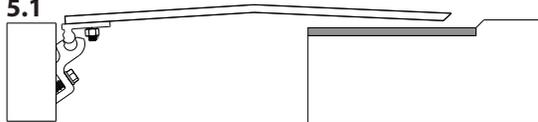


Figure 5.2

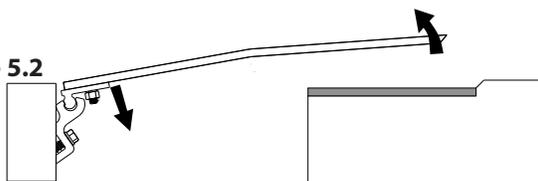


Figure 5.2

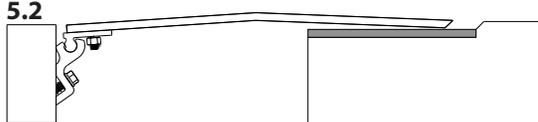


Figure 6

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)

