

# Installation Instructions

## Joint System: 300, 304, 312-A01

Note: Verify that the structural gap and blockout dimensions are in conformance with 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.

FIG. 1 (300-A01 Floor to Floor shown)

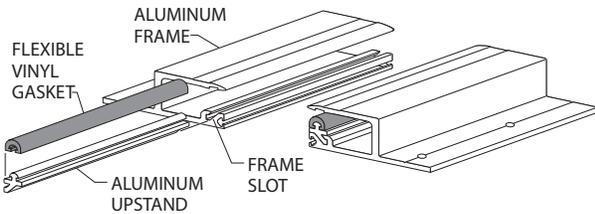


FIG. 2

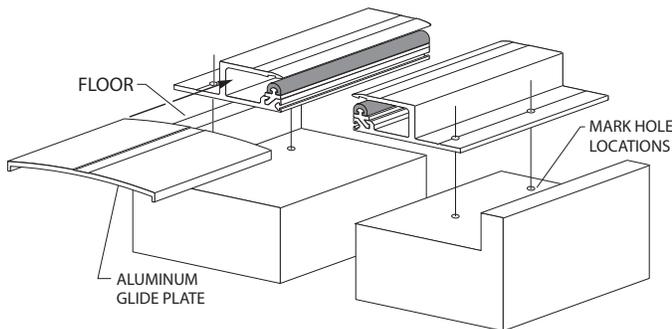
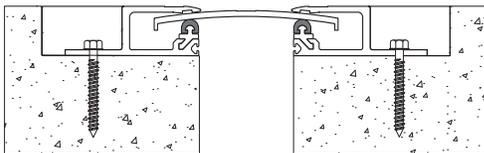


FIG. 2A



1. Install the architectural joint system on a level surface within the blockout. To determine blockout depth for the 300 system, deduct the thickness of the floor finish from the frame height. For the 304 system, make sure flat top of frame is level with the floor slab. For the 312 system, the mounting flanges sit on the finished floor with the frame recessed  $\frac{7}{8}$ " (22mm) in to the slab. This may require adding leveling compound to raise the tops of the frames.

Figure 1

2. Cut the aluminum components to the desired length.
3. Slide or press the flexible vinyl gaskets onto the aluminum upstands.
4. Slide the aluminum upstand with gasket into both frame slots. NOTE: It may be necessary to apply silicone spray to the leg of the upstand prior to insertion.

Figure 2

5. With the two frame assemblies facing, complete the system by inserting the aluminum glide plate into the space between the vinyl gaskets and the underside of the frames.
6. Place the assembled system in the blockout so that it is centered over the structural gap. The aluminum frames should not extend over the edge of the structural gap.
7. Mark the pre-drilled hole locations on the substrate.
8. Remove the frame assembly from the blockout.
9. Drill all marked holes.
  - 9a. For 300 and 304 systems, use a  $\frac{3}{16}$ " (5 mm) concrete drill bit and drill  $2\frac{3}{4}$ " (70mm) deep.
  - 9b. For 312 system, use a  $\frac{1}{4}$ " (6mm) concrete drill bit and drill  $2\frac{3}{4}$ " (70mm) deep.

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FIG. 3

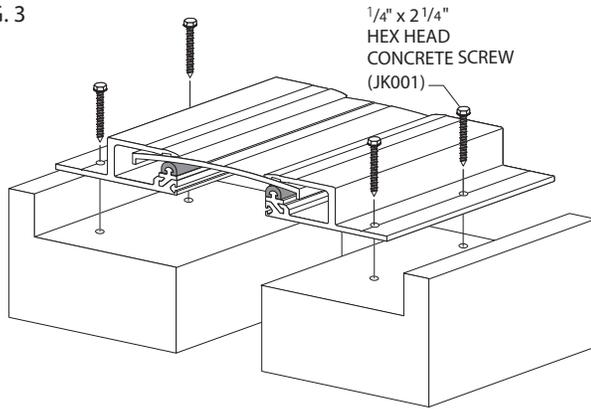


Figure 3

10. Return the frame assembly into position over the drilled hole locations.

10a. For 300 and 304 systems, secure in place with one JK001 1/4" x 2 1/4" hex head concrete screw for each hole.

10b. For 312 system, secure in place with one JK020 1/4" x 2 1/4" flat head sleeve anchor for each hole. (See Figure 3a)

FIG. 3A

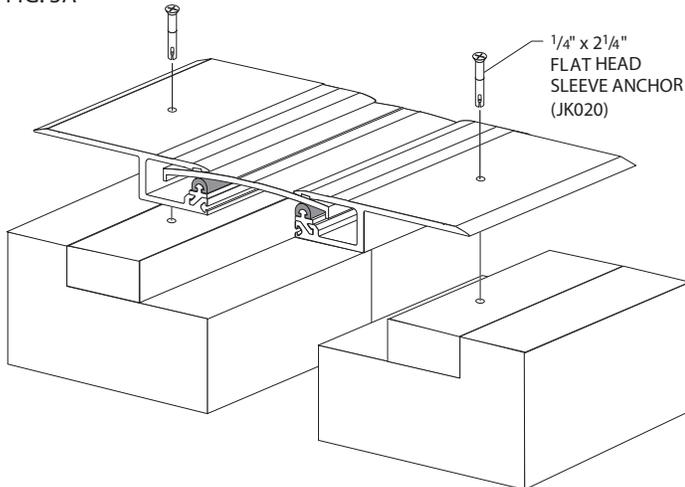


Figure 4

11. Backfill the breakout with high strength non-shrink epoxy grout (installer furnished).

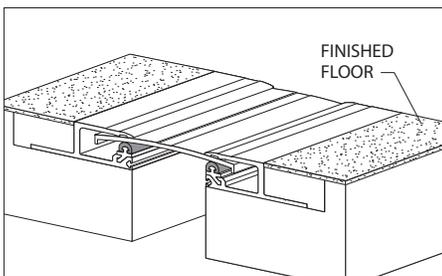
11a. On 300 system, install the floor finish level to the top of the frame.

11b. On 304 system, install the 1/8" (3mm) floor finish level to the top of the transition nosing.

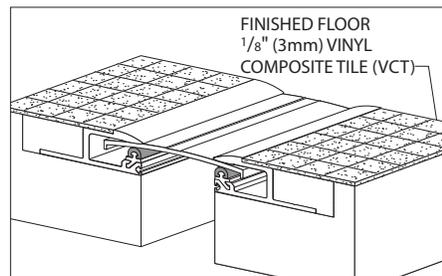
12. Clean the exposed surfaces with a non-solvent cleaner, such as 409, as required.

FIG. 4

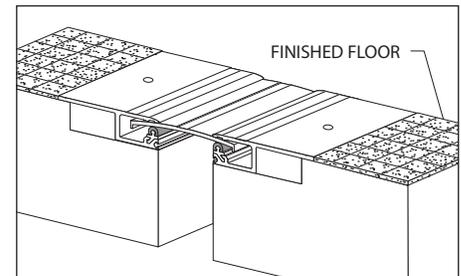
(300-A01 completed installation)



(304-A01 completed installation)



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