

Installation Instructions

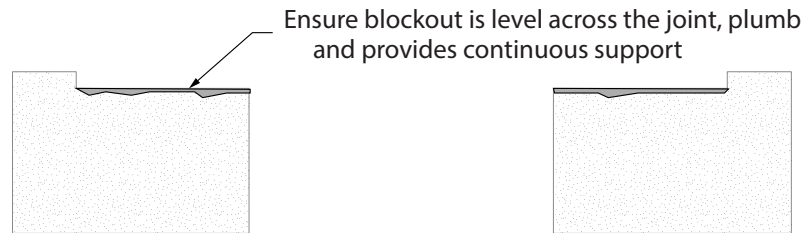
Joint System: 221, 223 Series Floor to Wall (A02 Condition)

This Installation Instruction covers all 221-A02 and 223-A02 (floor to wall) expansion joint widths. See the follow pages for each joint width/range:

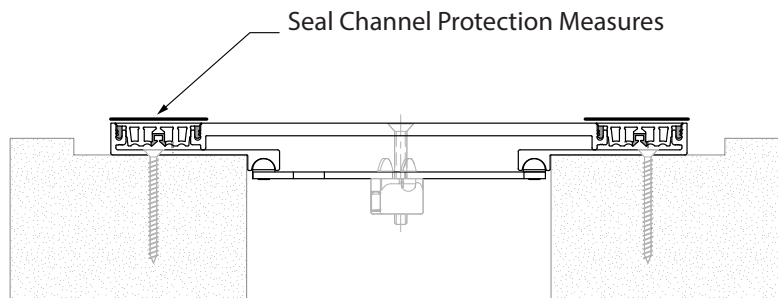
2" [50mm] - page 2-3

8" [200mm] and larger - page 4-6

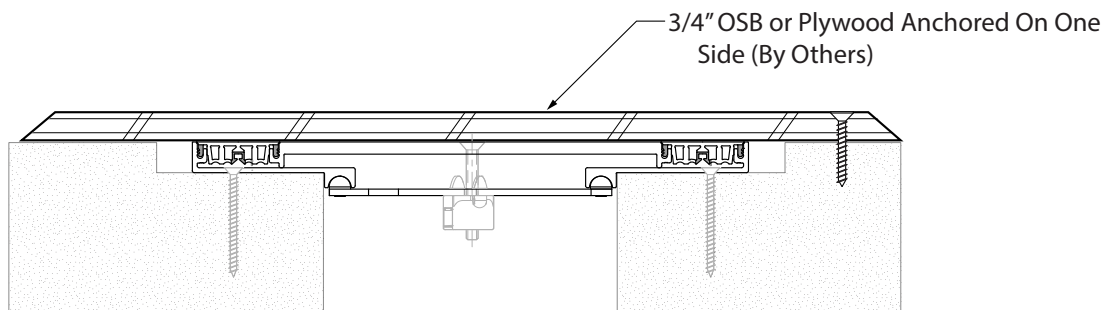
Note: Verify that the structural gap and blockout dimensions are in conformance with submittal data before beginning installation. If this is a Fire Rated Assembly, the fire barrier must be installed before the Architectural Joint System. Refer to the fire barrier instructions for specific system installation.



Note: It is important to protect the face of the seal or the seal channels, use painters tape applied to the top face of the seal/ frames when back filling. If backfill cures in channel, the black tips of the seal will not be able to lock into the channel.



Note: if system is being installed mid construction, it is critical to protect the system's components after installation. Apply protection over finished product to protect plate and seal from abrasion, damage, or overloading for the remainder of construction.



Note: When Installing the continuous santoprene seals, ensure you do not stretch the seal during installation into the frames. At transitions, use heatwelding for all seams and directional changes.

* Reference separate heatwelding instructions if applicable to your project.

IPC.812/REV 2

JOINTMASTER® Expansion Joint Systems

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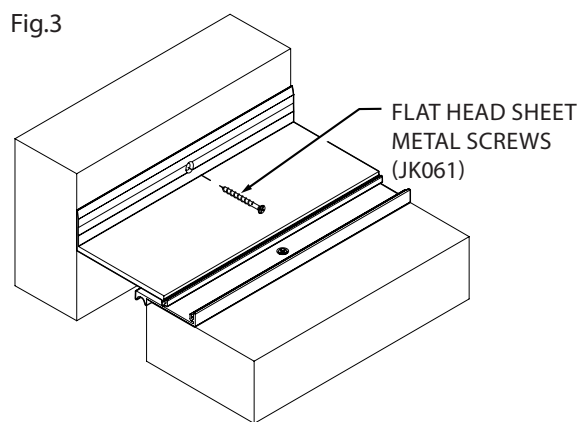
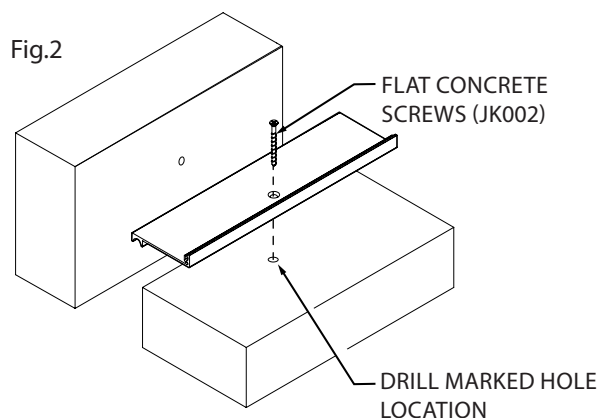
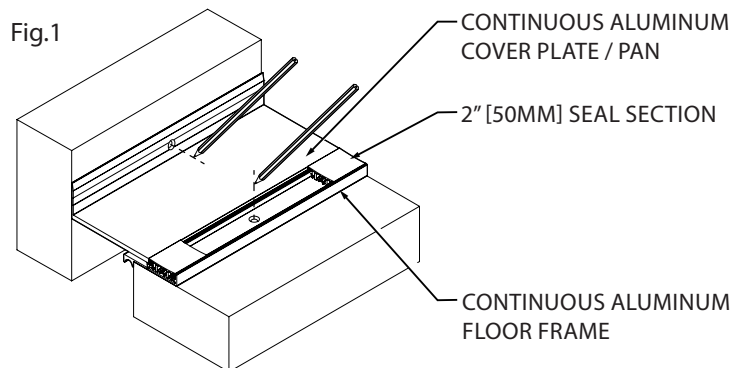
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Installation Instructions

Joint System: 221, 223 - A02 Series Floor to Wall (2" - 6" [50-150mm] Systems)



Expansion Joints: 2" [50mm]

1. Install the architectural joint system on a level surface, free of voids within the blockout. To determine blockout depth, deduct thickness of floor finish from frame height. Make sure top of frame is level with the finished floor height. This may require adding epoxy leveling compound to raise the tops of the frames (Do Not Shim).

Figure 1

2. Cut the aluminum components to the desired length.
3. Place the outer frame in the blockout so that it is sitting against the edge of the expansion joint. Place the center pan/plate centrally over the outer frames. To properly space frames, cut three small 2" (50mm) sections of seal. Insert one at each end and one in the center of both sides of the outer frames.
4. Mark the pre-drilled hole locations on the floor substrate and wall substrate.
5. Remove the frame assembly from the blockout.

Figure 2

6. Drill holes for the floor frames in the blockout using a 1/4" (6mm) concrete drill bit to 2 1/2" (63mm) depth.
- 6a. Optional EPDM Vapor Barrier: Secure in place using the floor frames. Reference separate RVB Installs for complete instructions.
7. Return the frames into position over the drilled hole locations. Secure in place by using JK002 (3/16" x 2 1/4" [m4.5x56]) flat head screw at each pre-counter sunk location.

Figure 3

8. Return cover plate to the expansion joint. Attach the continuous aluminum cover plate to the wall using #8 x 2" [50mm] flat head screws (JK061) at each pre-drilled hole location.

Installation Instructions

Joint System: 221, 223 - A02 Series Floor to Wall (2" - 6" [50-150mm] Systems)

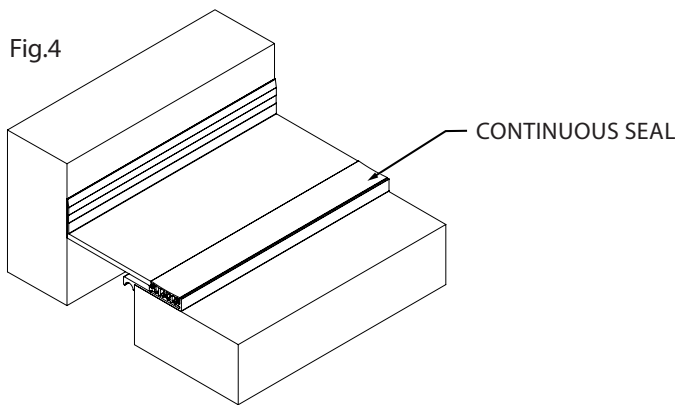


Figure 4

9. Insert the Santoprene seals into the recessed frame slots until the seals are flush with the tops of the frames.

NOTE: To assist in installing the seal, apply a mist of soapy water solution to the back of the seal. A 1" (25mm) wide roofing seam roller may be used to fully engage the seal barbs into the frame slots.

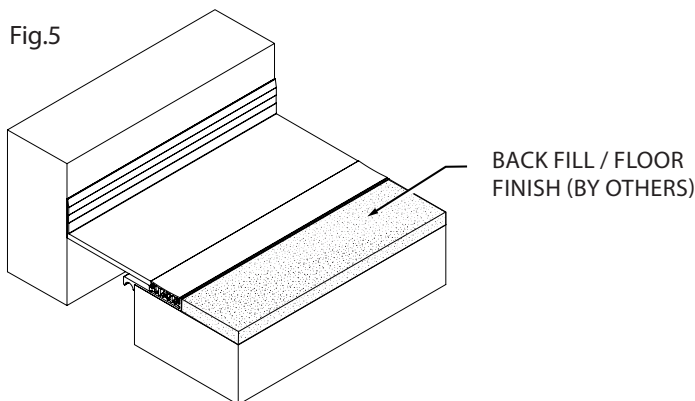


Figure 5

10. Backfill the blockout and install the floor finish level to the top of the outer frames.

Note: It is important to protect the face of the seal or the seal channels (if seal is being installed later in scheduling) using painters tape when back filling. If backfill cures in channel, the black tips of the seal will not be able to lock into the channel.

11. For 223 systems, install floor finish level to the top of the pan/plate. For thinner flooring, infill pan with an underlayment of 1/4" [6mm] hardwood adhered to pan. Clean the exposed surfaces with a non-solvent cleaner, such as 409 or xylene, as required.

12. After installation, apply protection over finished product to protect plate and seal from abrasion, damage, or overloading for the remainder of construction.

Installation Instructions

Joint System: 221, 223 - A02 Series Floor to Wall (8" [200mm] and larger systems)

Fig.1

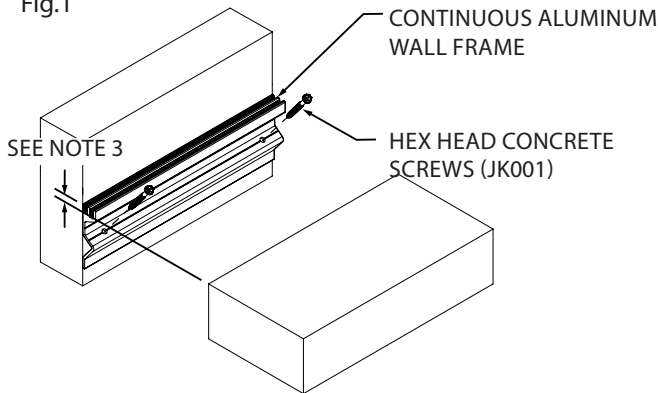


Fig.2

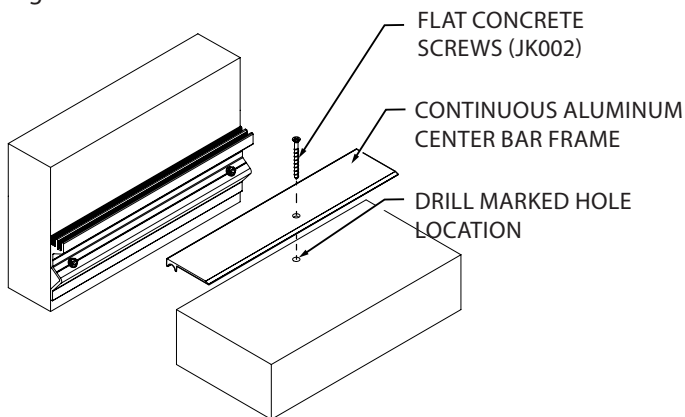
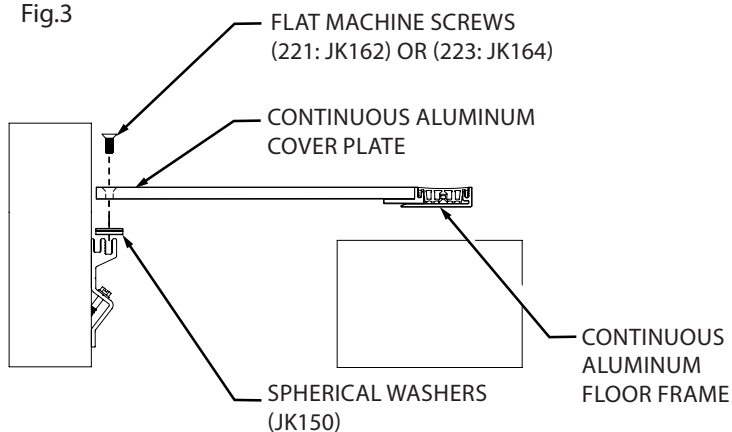


Fig.3



Expansion Joints: 8" [200mm] +

1. Install the architectural joint system on a level surface, free of voids within the blockout. To determine blockout depth, deduct thickness of floor finish from frame height. Make sure top of frame is level with the finished floor height. This may require adding epoxy leveling compound to raise the tops of the frames (Do Not Shim).

Figure 1

2. Cut the aluminum components to the desired length.
3. Place continuous aluminum wall frame against the wall, using spreaders to hold the frames securely in place. Locate the top edge of the frame per notes below:
221 Systems: Parallel 1/4" [6mm] above the edge of block out. (shown)
223 Systems: Parallel 1/16" [2mm] below the edge of block out.
4. Mark the pre-drilled hole locations on the substrate.
5. Drill holes for the wall frames using a 1/4" (6mm) concrete drill bit to 2 1/2" (63mm) depth.
6. Return wall frame to position and anchor in place using supplied #12 x 2 1/2" [M5x65] Hex Head sheet concrete screws (JK001)

Figure 2

7. Place centering bar frames in the joint opening. Ensure the channels sit flush against the joint edge.
7. Mark the pre-drilled hole locations on the substrate.
8. Remove frame, and drill holes in the blockout using a 1/4" (6mm) concrete drill bit to 1 1/8" (30mm) depth.
- 8a. Optional EPDM Vapor Barrier: Secure in place using the floor frames. Reference separate RVB Installs for complete instructions.
9. Return the frames into position over the drilled hole locations. Secure in place by using JK002 (3/16" x 2 1/4" [m4.5x56]) flat head screw at each pre-counter sunk location.

Figure 4

10. Pre-assembly the frame, seals and cover plate. Cut three small 2" (50mm) sections of seal. Insert one at each end and one in the center of both sides of the outer frames.
11. Anchor Aluminum Cover Pan to the front channel of the aluminum wall frame; using 1/4"-20 Flat head machine screw (JK162, 221 system or JK194, 223 system) and spherical washers (JK150) as shown.

Installation Instructions

Joint System: 221, 223 - A02 Series Floor to Wall (8" [200mm] and larger systems)

Fig.4

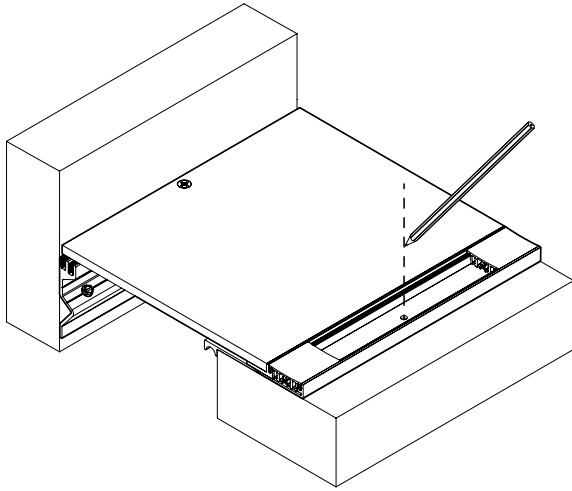


Figure 4

12. With cover plate anchored, mark the pre-drilled hole locations on the substrate.

Figure 5

13. Remove frame, and drill holes in the blockout using a 1/4" (6mm) concrete drill bit to 1 1/8" (30mm) depth.

14. Return the frames into position over the drilled hole locations. Secure in place by using JK002 (3/16" x2 1/4" [m4.5x56]) flat head screw at each pre-counter sunk location.

Fig.5

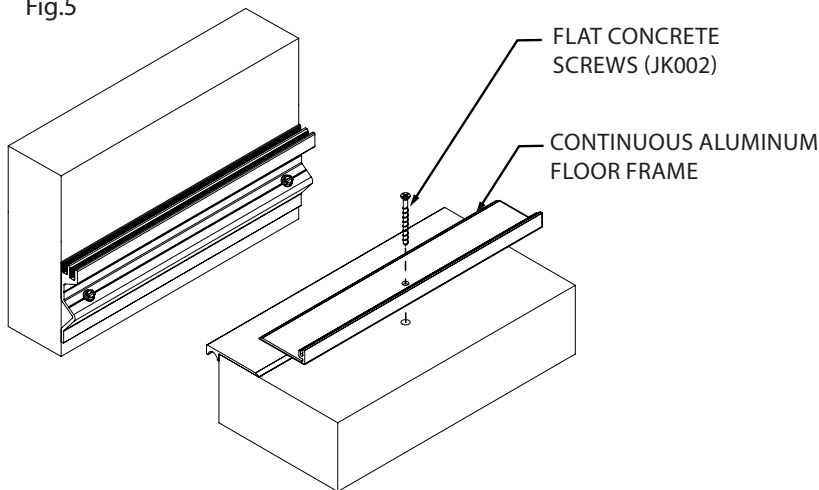
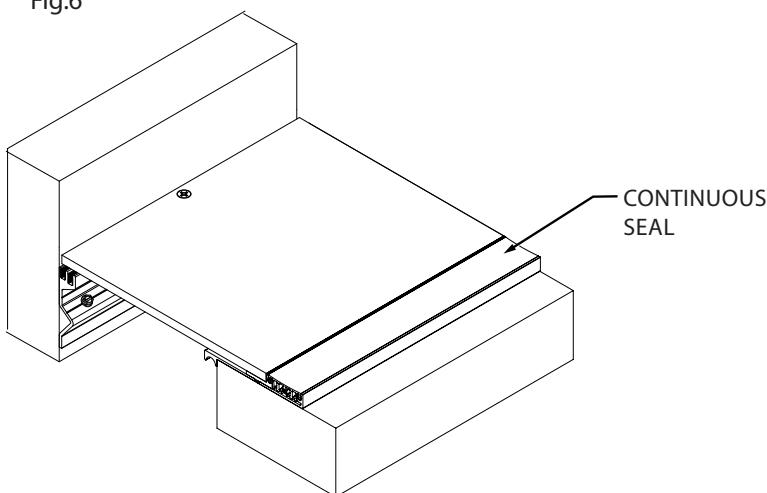


Figure 6.

13. Insert the Santoprene seals into the recessed frame slots until the seals are flush with the tops of the frames. NOTE: To assist in installing the seal, apply a mist of soapy water solution to the back of the seal. A 1" wide roofing seam roller may be used to fully engage the seal barbs into the frame slots.

Fig.6



Installation Instructions

Joint System: 221, 223 - A02 Series Floor to Wall (8" [200mm] and larger systems)

Fig.7

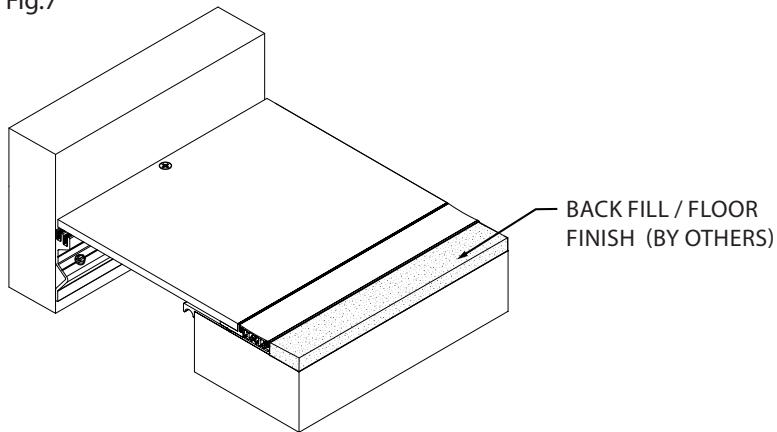


Figure 7

14. Backfill the blockout and install the floor finish level to the top of the outer frames.

Note: It is important to protect the face of the seal or the seal channels, use painters tape applied to the top face of the seal/ frames when back filling. If backfill cures in channel, the black tips of the seal will not be able to lock into the channel.

15. For 223 systems, install floor finish level to the top of the pan/plate. For thinner flooring, infill pan with floor leveling compound or underlayment. Clean the exposed surfaces with a non-solvent cleaner, such as 409 or xylene, as required.