

KF Series

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.

1. Install the architectural joint system on a level surface within the blockout. The top of the System are level with the finished floor height.
2. The expansion joint gap and blockout surfaces must be clean, dry, solid, straight, leveled and free from contaminants such as dirt, oil, grease and all loose particles must be removed to allow the Epoxy Adhesive (Sikadur - 31 CF Slow) to achieve the proper bond.

Figure 1

3. Unroll the compression seal then cut to the desired length and lay each one upside-down on the flat surfaced.
4. Create a rough surface using wire brush from the bottom and sides of the wings and sides of the compression area thoroughly using a drill or grinder with a wire wheel mounted in the chuck. This will ensure that the seal has a good bond if thoroughly wire brushed and clean using compressed air to remove loose particles left behind.

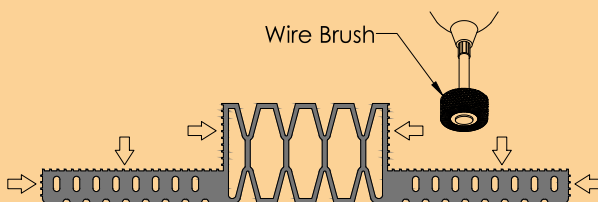
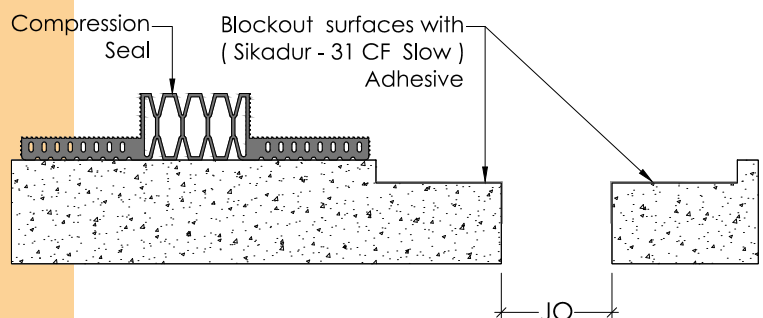


Figure 2

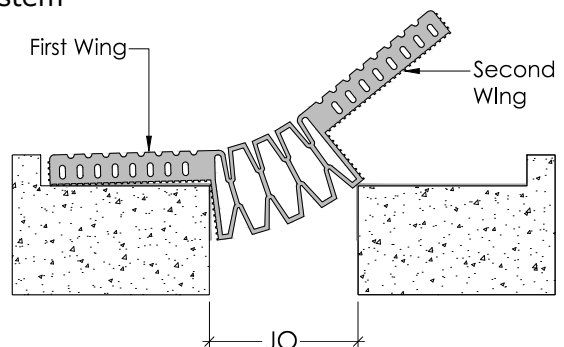
Note: Do not use adhesive or install this seal if either the substrate temperature or air temperature will drop below 40°F [5°C] during the installation or cure time of 8 hours.

5. Place each length of the compression seal upside-down next to the blockout area where it is to be installed. This will allow the seal some time to flatten before it is bonded in place.

6. Mix components A and B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (maximum 300 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approximately 1 minute at low speed to keep air en-trapment at a minimum. Mix only that quantity which can be used within its pot life.



7. Cover all the edges of the compression seal and floor finished with masking tape or equivalent to protect edges from adhesive spill over. Apply the mixed adhesive to the prepared surface and ribbed side area of the compression seal with a spatula, trowel, notched trowel, (or with hands protected by gloves) at approximately 1.5mm - 3mm thick.
8. Place the first wing of seal into the blockout and pressed on the bedding adhesive and do the same step to the other wing, place into the blockout and pressed on the bedding adhesive. Make sure all ribbed wings of the compression seal that contacted to the substrate surfaces are filled with adhesive to achieve the proper bond and strength of the system



9. Ensure that the seal is in the correct position along the length of the joint.



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Figure 3

- Once the compression seals are firmly fixed to the concrete blockout, inject the Prospec Specialties supplied edge sealant into the gap on each side of the seal. Ensure that the gap is filled from the bottom of the blockout to the top of the seal. The edge sealant is self leveling, therefore no tooling is required.

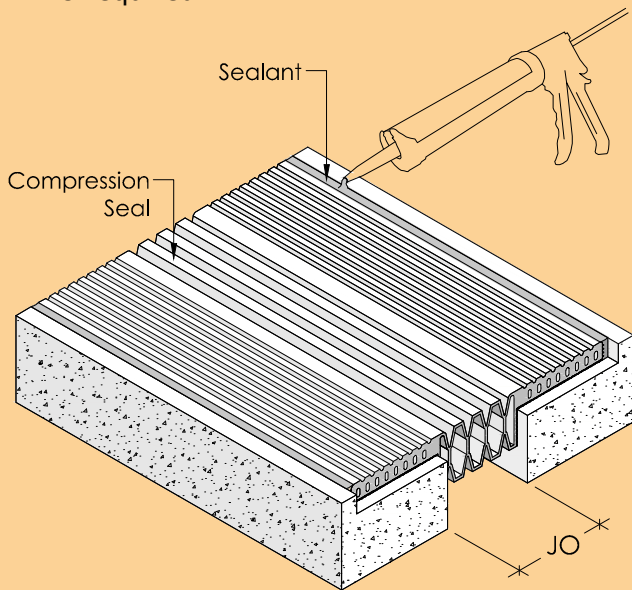
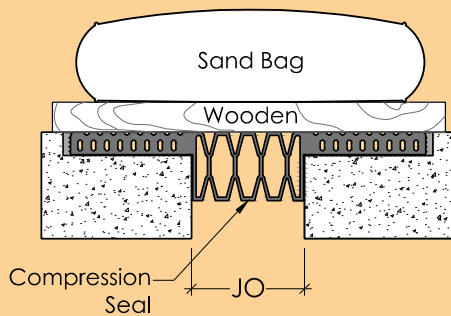


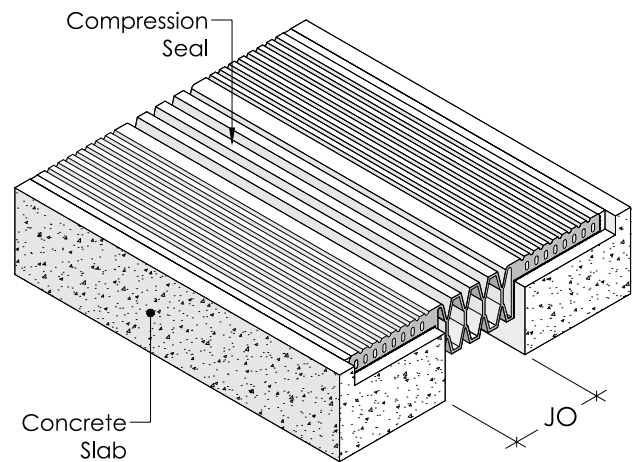
Figure 4

- Remove all protecting covers and clean adhesive off of joint surface before adhesive starts curing. Place a wooden batten along the entire length of the compression seal.
- Place sand bags on top of the wooden batten. This will force the seal to seat into the adhesive during the curing time.



- After installation completed, clean the visible surface of seal and edge of the concrete, make sure adhesive is filled flush to top surface of the seal and slightly recessed on the substrate.

KFS System Installation Completed:



KFC System Installation Completed:

