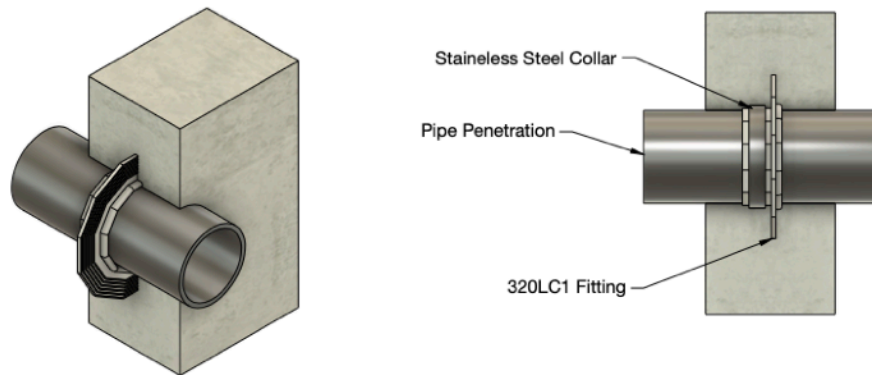


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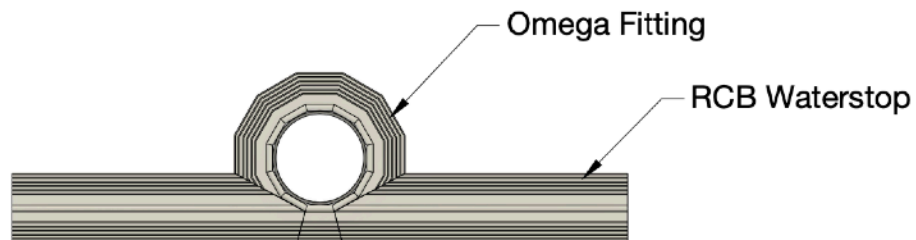
How to Effectively Seal Circular Concrete Joints at the Slab to Wall Interface

by Allison J. Nuño

Earth Shield® has already solved a long-standing problem for engineered concrete structures with circular protrusions, such as columns, pipes, piers, and pilasters — the solution: Earth Shield® Column & Pipe Fitting (part number: JP320LC1).



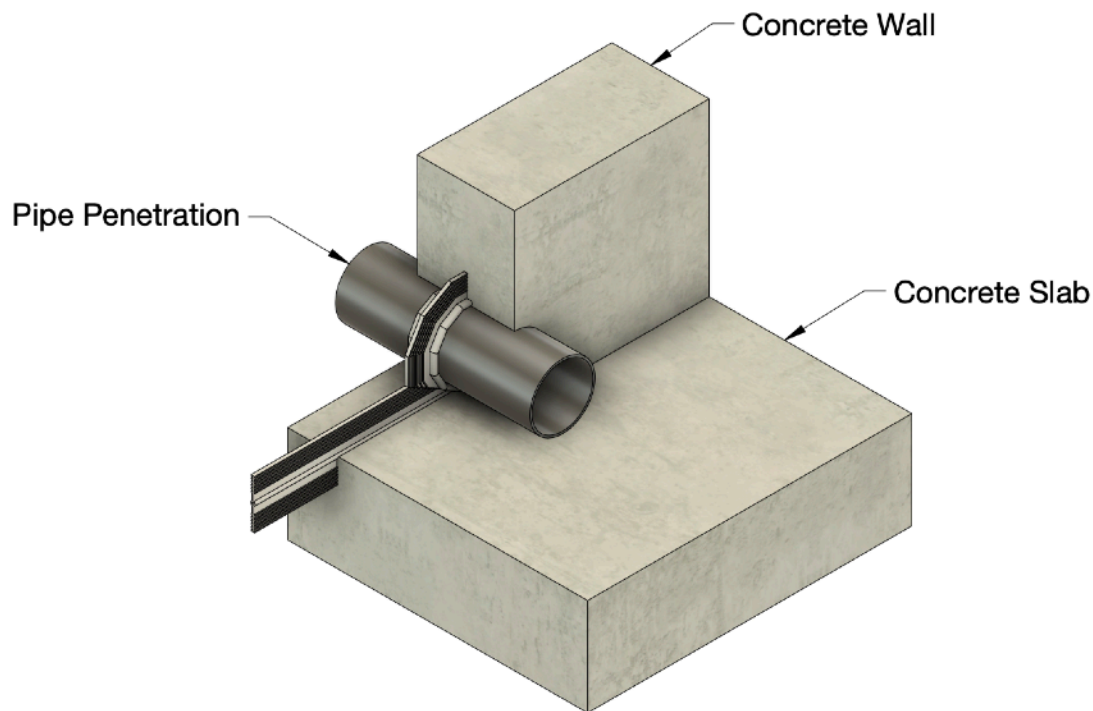
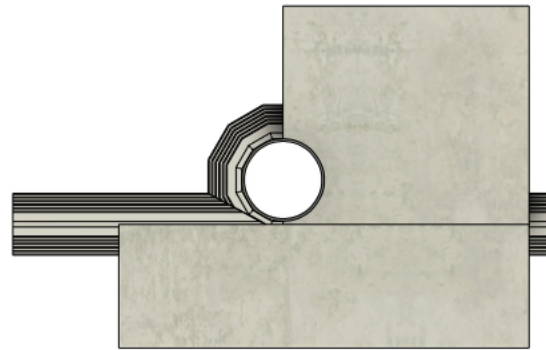
However, what happens when the pipe penetration is at the slab-to-wall interface with additional waterstop running through that joint? With the bottom of the pipe at slab grade, the contractor will have difficulty joining the standard waterstop to the pipe ring. This is the exact problem that our one-piece, factory-fabricated **Earth Shield® Omega Fitting** is designed to solve. It simplifies the difficult transition at the factory, ensuring continuous waterstop around the pipe and the perimeter of the paving.





JP Specialties,
Inc. / Earth Shield®
Waterstop

The Omega Fitting is a one-piece solution for this challenging transition. It prevents fluid migration around the pipe and maintains the seal between the slab and the wall.



Installing the Earth Shield® Omega Fitting is a straightforward process. Simply follow these precise steps: apply a 1/8" thick x 3" wide epoxy gel bed around the pipe surface; place the polymer ring into the epoxy gel bed; if the ring was fabricated with an opening, due to a flanged pipe or obstruction, thermo-weld the single opening on the polymer ring using a waterstop splicing iron; complete the system with the stainless steel closure ring; and finally, thermo-weld the perimeter waterstop to each (12") free leg coming from the polymer ring.