

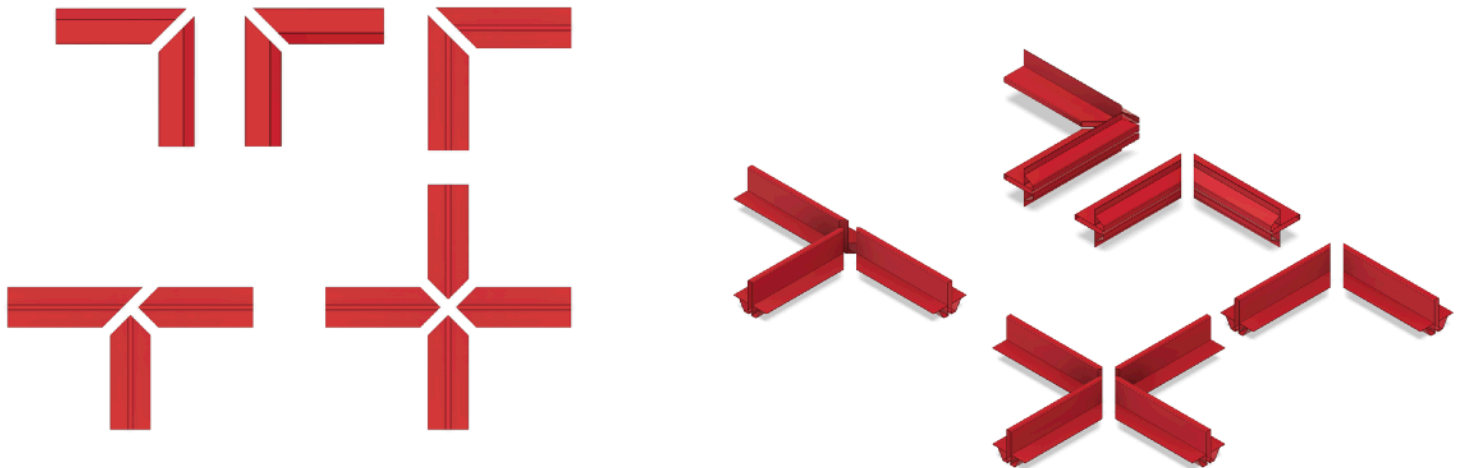


Tech Tips 031

Field Fabricating Changes of Direction with Keycup®

by Chris Legarreta

Keycup® is a versatile and reliable product designed to meet the needs of contractors in various construction projects. In situations where a change of direction is required in the field, contractors can easily work with Keycup® without the need for specially fabricated fittings. The flexibility of Keycup® allows it to be installed against the forms, with simple modifications at the ends to achieve the desired configuration.



Steps for Field Application:

1. When a directional change is necessary, the ends of the Keycup® can be cut or mitered to a 45° angle. These modifications enable seamless transitions, such as 90° corners, and three- or four-way junctions. These field cuts ensure that the Keycup® adapts to the project's requirements without needing prefabricated corner fittings.



JP Specialties,
Inc. / Earth Shield®
Waterstop

2. After mitering, the ends should be closely butted together. The precision of these cuts ensures a tight, well-aligned connection, creating joints like the ones shown. Since the Keycup® is removed along with the form boards after the concrete pour, there is no need for the system to be fluid-tight. The integrity of the system is maintained through precise cutting, with the Keycup® shaping the joint and aligning the waterstop at the center.