

EB CAP SEAL SYSTEM

INSTALLATION GUIDE

INTRODUCTION

The WESTEC EB CAP SEAL SYSTEM is a one step complete concrete joint system.

The EB Cap Seal serves as FORM, WATERSTOP, SEALANT and DOWEL GUIDE in a single installation to create a fluid tight, maintenance-free expansion joint.

INSTALLATION GUIDELINES

GENERAL

The EB CAP Seal System includes the Waterstop/Cap Seal profile, a Plastic Expansion Board / Form Board and Speed Load Dowel Sleeve.

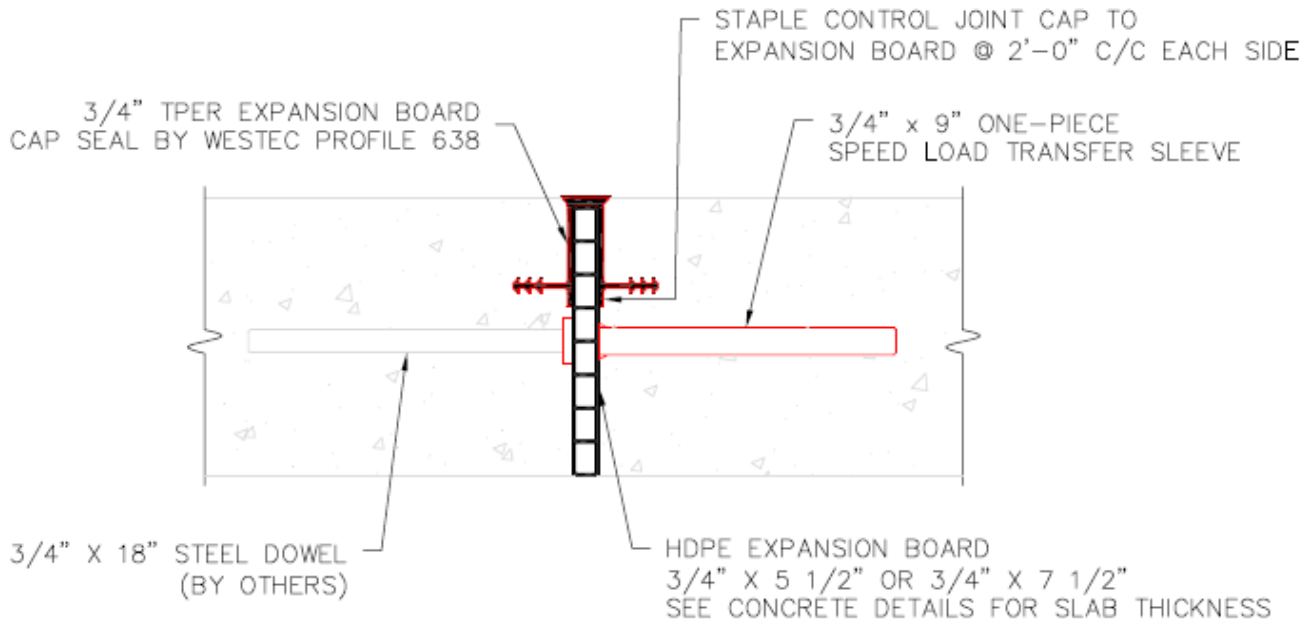
1. Holes for Speed Load: Drill 1" holes for the 3/4" x 9 Speed Load in Plastic Expansion Board. Consult a Sika Engineer (St. Louis office) for other Speed Load Sizes. Treated Lumber and Plywood may also serve as form and expansion material, however typical expansion joint materials (foam, fiber, etc..) are not rigid enough and should not be used without external support.
2. Tap Speed Load Sleeves through Expansion Board. (rubber mallet works well)
3. Stake Expansion Board (EB) at regular intervals, Stakes should be 3" below Top of Slab (TOS) elevation. Board can be secured with wood screws or ring shank nails.
4. Leave 1/8" between board ends to allow for any possible thermal expansion
5. Weld EB Cap Seal waterstop according to Westec TPER/PE Splicing Guide directions. Use prefabricated fittings for all intersections and direction changes.

NOTE: Welding process will create a bead of material around the ends of the cap.) This bead must be removed from the inside of cap in order for the EB Cap to sit flush on the Expansion Board. (pliers work well for this) The Weld Bead on the top of the cap must also be removed or smoothed with the iron to avoid catching the screed during concrete placement and finishing.

6. Place EB Cap profile on Expansion Board and secure cap to board with Nails or screws through the tabs BELOW the waterstop ribs. **No penetrations are allowed through the top or sides of the waterstop above the ribs.**
7. Pour concrete normally and use top of EB Cap as screed guide and finish concrete normally.



Typical Components for an Expansion Board Cap Seal System



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