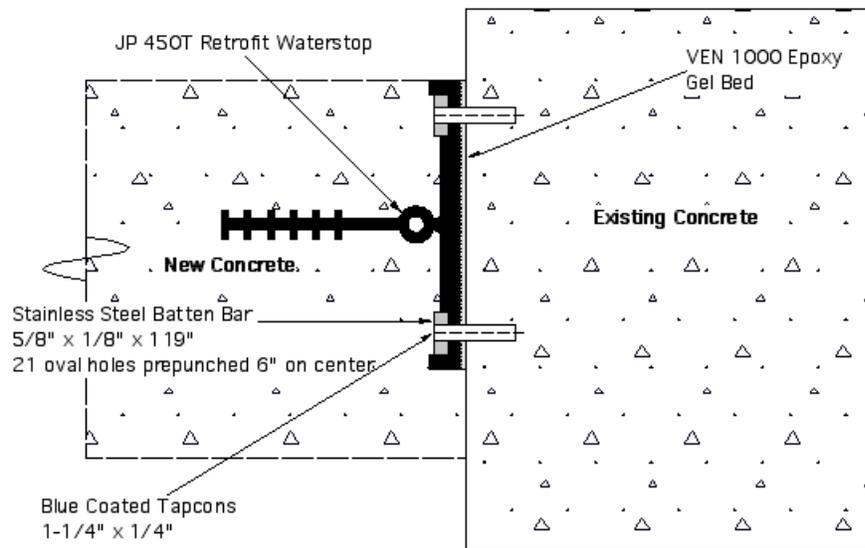


# Earth Shield® Chemical Resistant Waterstop Retrofit (part #JP 325T & JP 450T) Jobsite Installation Guide

1. Prepare existing concrete by grinding away any irregularities.
2. Thoroughly clean existing concrete using:
  - A. Wire brush or needle gun
  - B. High pressure water blast
  - C. Sand blast

*Remove all dust, grease and laitance.*
3. Heat weld JP 325T or JP 450T shape to appropriate length and directional changes, to fit surface. See *Waterstop Job Site Installation Guide* for recommended heat welding procedure.
4. Check heat welded waterstop for proper location, orientation, and fit.
5. Drill fastener holes into concrete to appropriate depth, using stainless steel batten bar against retrofit waterstop as a template. Anchor holes should be drilled through every batten bar hole. Mark hole centerline above epoxy location. (40 bolts per 10 lft section of waterstop total).
6. Clean fastener holes and surface from concrete dust.
7. Mix appropriate amount of epoxy per mixing instructions. **Ensure amount is not more than can be installed within epoxy's pot life.**
8. Place epoxy strip 1/8" thick by 3-1/2" (JP 325T) or 5" (JP 450T) wide on concrete surface.
9. Embed retrofit shape into strip of uncured epoxy.
10. Place stainless steel batten bar in recesses of retrofit waterstop top and bottom.
11. Apply fasteners through predrilled pilot holes in batten bars and waterstop and tighten as required. **(40 bolts per 10 lft length of waterstop total).**
12. Use expansion joint filler to minimize shear stress on waterstop where large differential movement is anticipated.
13. Allow installed retrofit waterstop to cure for 24 hours before placing new concrete.

*For welding, fabrication, placement, execution, and quality assurance please follow all procedures stated in Earth Shield Master Specification Section 03250.*



**Earth Shield® Chemical Resistant Waterstop**

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