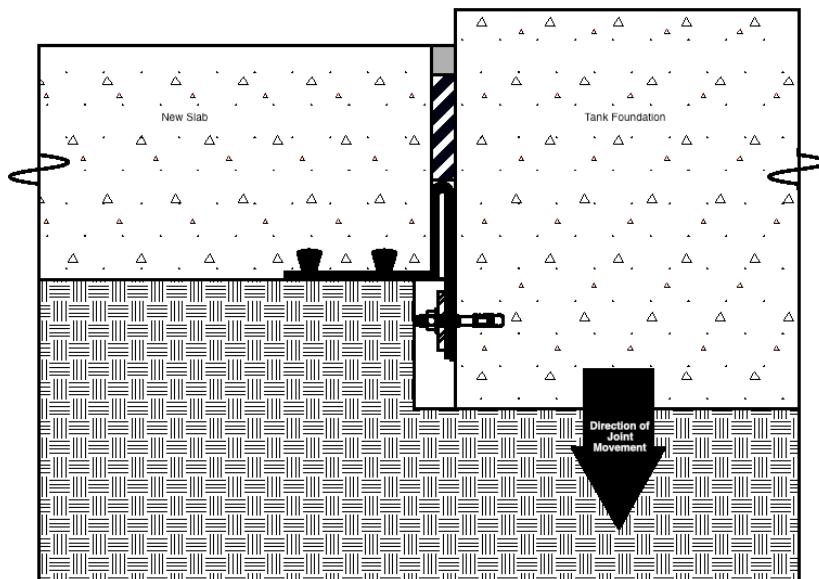


# Earth Shield® Chemical Resistant Waterstop Retrofit (JP 621L) Jobsite Installation Guide

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 621L 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. Using the stainless steel batten bar and waterstop as a template, drill 1/4" pilot holes 2-3/4" deep through waterstop and concrete using a percussion or rotary hammer drill. The holes should be drilled at approximately 6" on center (20 holes per 10 lineal foot length of waterstop).
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 2" wide on concrete surface. **Ensure that only the combed surface on the fastening leg is bonded with epoxy to the concrete. The large "U-bulb" must not be bonded with epoxy to function properly.**
9. Embed retrofit shape into strip of uncured epoxy.
10. Place stainless steel batten bar against flat leg of waterstop.
11. Hammer stainless steel wedge anchors into predrilled pilot holes, passing anchor through stainless steel batten bar, waterstop and epoxy bed. Repeat for all holes. Tighten bolts on wedge anchors to ensure tight mechanical bond between the stainless steel batten bar, waterstop, epoxy and concrete
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.*

*Additional information is available on VEN 1000 Chemical Resistant Novolac Epoxy. Request a product literature sheet.*

## Earth Shield® Chemical Resistant Waterstop

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