

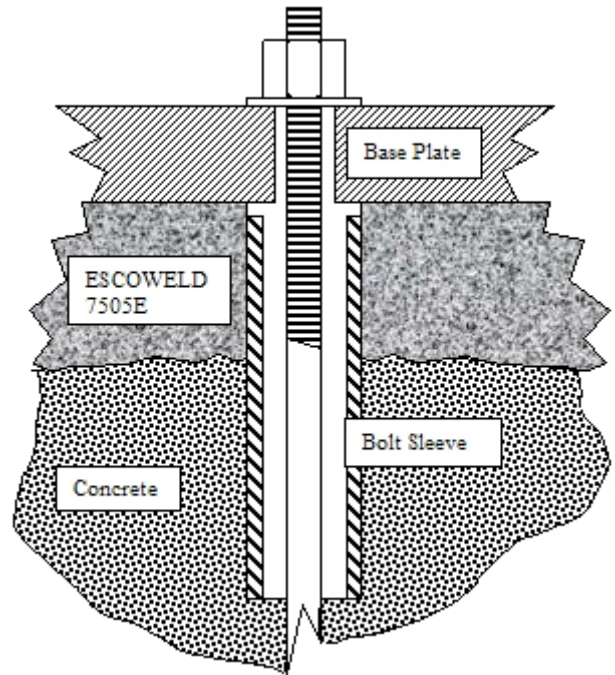
Anchor Bolt Detail

Anchor Bolt Preparations & Protection Detail

Technical Bulletin # 1644

This bulletin illustrates the recommended method of protecting an anchor bolt during the pouring of ESCOWELD 7505E Epoxy Grout. The normal sequence of preparation, mixing, and pouring is as follows:

1. Remove all laitance and foreign matter from the surface of the concrete by use of a chipping hammer. All areas coming in contact with ESCOWELD 7505E should be roughened.
2. Remove all debris such as concrete chips and all moisture from the bolt sleeve by the use of an air hose.
3. Protect the anchor bolt with duct tape or a plastic sleeve in order to prevent ESCOWELD 7505E from coming in contact with the anchor bolt. This is to ensure proper stretch of the bolt.
4. If possible, fill the sleeve with a non-binding material.
5. Sand blast the bottom of the base plate to obtain a 1 to 1 ½ mil profile and coat with ITW Philadelphia Resins Rust Inhibitive Primer.
6. Set and level the base plate. After leveling, apply paste wax to the areas that will be subject to ESCOWELD droppings for ease of cleaning later.
7. Mix and pour ESCOWELD 7505E in accordance with "Installation Specification for Pumps and Drivers when Using Epoxy Grouts".



By following the recommended steps listed above, the anchor bolt is less susceptible to overstress during tightening and to loosening effects during service caused by vibration or bolt creep. This is because the use of the bolt sleeve maximizes the length from the bottom of the nut to the top of embedment in the grout, allowing ample stretch when it is tensioned. The increase or decrease in tensile load associated with a small movement is thus minimized.

ESCOWELD® Industrial Grouts & Polymers

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