

## SealBoss ® Case Study

**Date of Completion:** November, 2010

**Location:** Walnut Creek, CA

**Supplier:** White Cap – Dublin, CA

**Scope:** Client is experiencing significant water intrusion through elevator pit cold joints. The below grade nature of the construction has allowed for significant hydrostatic pressure to enter through the wall/slab cold joint as seen in the pictures below. These joints require a chemical injection method for polyurethane resin which will seal the entire joint around the perimeter of the elevator pit.

**Repair Method:** SealBoss Corp. recommends a high pressure polyurethane resin injection around the entire perimeter in order to seal the wall/slab cold joint which is the culprit for water intrusion. By drilling at a 45 degree angle from the wall to the joint, the applicator intersects the joint half way through the thickness of the substrate. After setting mechanical injection ports, the joints were then injected with SealBoss ® 1510 hydrophobic polyurethane injection resin. As seen below, the polyurethane foam contacts moisture in the joint, creating an exothermic expanding reaction which creates a flexible, permanent, fully penetrated seal within the joint.



*Figure 1. Drill hole placement*



*Figure 2. Expanding 1510*



*Figure 3. Post Injection Patch*



*Figure 4. Dry Elevator Pit*