

SealBoss Case Study

Date: October 2020

Location: Texas State Aquarium, Corpus Christi Texas

Scope: Water intrusion around large Salt-Water Tanks, where salt deposits visibly indicated water presence.

Repair Method: SealBoss 1510 NSF/ANSI 61 Drinking Water Contact Certified Water Stop Foam was used to seal cracks and capillaries at the Texas State Aquarium. The recommended SealBoss 1-2-3 45 degree injection method was followed to ensure proper connection from the packer to the center of the crack or area of leakage to evenly distribute the resin and allow the expansion to follow the paths of least resistance.

Allowing the material to set up and begin to cure (70 seconds based on 10% accelerator) observation of material travel from the injection point and exit the wall 4-6 inches away, indicating the capillary was filled successfully.

Injection into a cold joint used a different technique. Drilling and placement of packers directly onto the cold joint to quickly seal a presence leak. Proper water displacement and material travel up and along the cold joint indicated it was sealed properly and prevented further water intrusion.

Products Used:

Injection Resin: SealBoss 1510 w/ 15x Accelerator

Injection Packers: 1/2" Aluminum Packers & 3/8" Plastic Packers

High Pressure Pump: P2002 Single Component Injection Pump

Cleaning Materials: Xylene, R70 Pump Flush, rags, bucket

Additional Tools: 18" x 1/2" drill bit -- 3/8" Crescent Wrench -- Dead Blow Hammer -- Hammer Drill -- Access 110v Power -- Vacuum



Material travel along the wall.



Cold Joint Injection.