

# CASE HISTORY

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## BBZ RESIN INJECTION SYSTEMS

**Project:** Puck's Alley  
Jelly's Music Store Repair  
Honolulu, HI

**Engineer:** Bonded Materials

**Owner:** Moiliili Plaza

**GC:** Kaikor Construction

**Injection System:** Duroseal Inject 2000

**Completed:** April 2000

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The problem **BBZ** encountered was a long-term leak in the ceiling joints of Jelly's Music Store. The roof of the music store is also a parking deck. The deck had recently been resurfaced and **BBZ** was consulted about the few remaining leaks.

**Duroseal Inject 2000**, a solvent free, water-soluble injection gel was chosen. **Duroseal Inject 2000** is able to penetrate the smallest hairline cracks and capillaries sealing them reliably and permanently. **Duroseal Inject 2000**, due to its hydrophilic components is able to swell up to a factor of 2 (double its volume). Therefore, even if the injected structure subsides, the seal created by **Duroseal Inject 2000** remains intact.



Drilling was done at a 45° angle to the joint. Holes were drilled on alternating sides for the length of the area to be injected. The injection material was introduced through a 2 component pump and injection packers. The **Duroseal Inject 2000** effectively sealed the leaking areas in the joints.



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