



# Water Proofing

## Featuring Polyshield SS-100®

**Project:**  
Fountain of the Flags

**Location:**  
Fairbanks, AK

**Owner:**  
University of Alaska

**Applicator:**  
Vertex

**System:**  
60 mils POLYSHIELD SS-100®  
HP (high pigment)

**Total Area:**  
3,000 square feet

**Completion Date:**  
Summer 1995

### PROBLEM:

Microscopic cracks were found in the original epoxy coating of a 3,000 sq. ft. water feature, "The Fountain of the Flags" at the University of Alaska, Fairbanks. These cracks were causing leaks with a daily loss of thousands of gallons of water. The water was making its way into the plumbing corridor under the fountain, which potentially could be a serious and expensive problem if left untreated.

The University needed a quick solution with a fast-set, elastomeric Polyurea that could be applied over the prepared concrete.

### SOLUTION:

They chose Polyshield SS-100® because it forms a seamless, crack-bridging membrane that prevents water leakage. With high pigment added for color stability, Polyshield SS-100® was applied at 60 mils. The polyurea protective coating created a watertight seal.

### RESULTS:

University officials were relieved to have a reliable waterproof coating in place to protect the water feature's concrete surface. In a follow up inspection (summer 1996) the coating was performing well, with no loss of water and no discoloration.



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