

# Lining for Decorative Ponds

**Project: Ponds and Fire Retention Reservoirs, Columbia Metropolitan Airport, SC**



**As part of Columbia Metropolitan Airport's 1997 expansion, a landscape architect designed 54,300-sq/ft of decorative ponds and fire retention reservoirs.**

The architect knew that the ponds would need a liquid liner that would easily conform to irregular shapes. His other requirements were that the liner be easy to apply, have the ability to go over multiple substrates, and be UV resistant. CIM 1000 met all of the architect's requirements.

The area was excavated and a compacted sand floor provided the base for the

pond. Irregular concrete block walls formed the sides. To provide a tough but flexible liner, CIM Scrim, a stitch-bonded polyester fabric, was laid across the substrate and extended six inches up the sides. Using an air-assisted airless pump system, a tack coat of CIM 1000 was sprayed to the concrete and CIM Scrim was laid into the thin coat. CIM was then sprayed onto the CMU walls in two coats and into CIM Scrim in one coat, providing a 60 mil coating.

Following the application of CIM 1000 and a cure-time of 24 hours, the pond was lined and ready for years of service under the punishing South Carolina sun.



**Keeping Liquids Where They Belong**

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