

Water Softener Tank

Project: Concrete Tank Liner, Alexander Orr Water Treatment Plant, Florida



The maintenance staff at Alexander Orr Water Treatment Plant in Miami-Dade County was faced with water softener-related problems.

First, its softener was leaking, leaving unsightly efflorescence. A second issue confronted by the Miami-Dade Water and Sewer Authority-owned plant was extreme lime build-up on the softener's interior walls. Operators knew from experience that lime removal was a costly process and required hundreds of man hours to complete. Plant engineers searched for a product to provide a long-term waterproof

barrier and an easy-to-clean surface. After careful consideration, CIM 1061 was specified for the job.

The application was straightforward. The concrete tank's interior walls were sandblasted and CIM 61 Epoxy Primer applied. After allowing the primer to cure for 12 hours, an air-assisted airless pump system was used to apply CIM 1061 over the primer. Following only an hour of set-up time, a second coat was applied.

At project's end, the softener had been coated, achieving a seamless and impermeable liner and restoring the softener's water-holding capability. The liner's rubbery surface also put an end to the lengthy lime removal process. Now, one man blasts the interior clean using a pres-



sure washer—a dramatic change from the time-consuming process necessary prior to the application of CIM 1061.



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