

# Potable Water Reservoir

**Project: Concrete Reservoir, Alexander Orr Water Treatment Plant, Florida**



**In 1996, the Miami-Dade Water Authority stopped leaks in their water softener using CIM 1061.**

They were so pleased with the results that two years later they chose CIM 1061 to coat the interior walls and CIM 1000 to coat the external roof deck of a new 20-million gallon addition to a potable water reservoir. CIM's elastomeric capabilities bridge cracks and withstand structural movement, providing an impermeable liner. CIM 1061 is ANSI/NSF 61 Potable Water approved.



First, the concrete on interior reservoir walls was sand blasted and cleaned, then CIM 61 Epoxy Primer sprayed onto the walls. Following a minimum 12 hour cure-time, an air-assisted airless spray system delivered 40 mils of CIM 1061 to the walls. After this coating set for an hour, and while it was still tacky, a second coat of 40 mils was applied, to achieve a final 80 mil waterproofing system.

The reservoir roof was brush-blasted and cleaned. Again, CIM 61 Epoxy Primer was applied and allowed to cure. Areas of 100 sq/ft were marked out over the entire

roof, ensuring a thickness of 70 wet mils. CIM 1000 was squeegeed over the roof and rolled two feet up the parapet walls. Once the CIM cured, limestone and sand fill was placed over the CIM liner to allow

drainage. Sod was then applied over the drainage base in order to protect and cool the roof.



**Keeping Liquids Where They Belong**



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