

Everlast Concrete Technologies

Best Permanent Concrete Protection

Success stories and Testimonials

SAUDI ARABIA – WATER TANK 2013

CASE STUDY: Water Storage Tank - 2013

Challenge: The Royal family of Saudi Arabia wants to build several water storage tanks for storing water, pumped from underground aqua ducts. Tests conducted by Ministry of Water and Electricity in Saudi Arabia in Hail on conventional concrete tanks revealed water loss due to leakage and evaporation through the pores of concrete. Several alternatives were evaluated to seal the concrete. The construction engineering team did not want to use epoxy or petroleum based sealers to avoid odor associated with such sealers.



Engineering Team with the Customer at the Project Site

Solution: Everlast Concrete Technologies (ECT) was consulted to provide a solution. A pilot project was initiated and ECT – **Cement Hydration Catalyst (CHC)**; was used in the ready mix operation to produce new concrete and the structure was sealed using ECT – **Cure & Penetrating Sealer (CPS)**; from inside the tank.

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**Ready to pour concrete
with ECT - CHC**



**No leaks through the concrete
structure after 100 days of filling the
tank with water.**

Results: The first photo above was taken during water tank construction. After the concrete cured the tank was filled with water. The second photo was taken 100 days after filling the tank with water. There were no leaks through the concrete and the water did not have any odor.

The evaluation team has recommended ECT products for future projects.