

Irrigation Tank, UAE

POLYUREA

Client	Abu Dhabi Municipality
Construction Contractor	Bin Ham
Consultant	Dorsch Group Abu Dhabi
Coating Contractor	Anticor LLC, Dubai
Project Area	Irrigation Tank - Abu Dhabi, UAE app. 800m ²
Construction	September 2011
VIP System	Quick Prime Zinc (Steel) Quick Prime / Quick Fill (Concrete) Quick Spray Industrial



Project Description

The Abu Dhabi Municipality has been searching for a waterproofing system after an excessive leakage of product from irrigation tanks for several years.

Various systems have been applied but have already failed after a short time frame.

Based on the original construction of a concrete base in combination with steel walls the interface areas showed severe corrosion problems caused by the leakage.

VIP Polyurea was then tested on steel plates. After the exceptional performance of VIP Polyurea Industrial for flexibility and adhesion the system was approved and specified as the preferred internal tank lining system.

The scope of work for the refurbishment was as follows:

1. High pressure washing of all substrates.
2. Grit blasting of steel walls.
3. Non-metallic sweep blasting of concrete base.
4. Quick Prime Zinc for steel walls.
5. Quick Prime & Fill for concrete base.
6. High pressure application of Quick Spray Industrial @ 2.5mm thickness.

The complete process of surface-preparation, application of base coat and top coat was successfully completed in 25 days despite difficult access, and extreme ambient and working conditions.

