

Water & Power Project, Qatar

POLYUREA

Client	Ras Gas
Construction Contractor	Hyundai Engineering & Construction Co
Coating Contractor	Hitech Projects, Doha
Consultant	Parsons Brinckerhoff Int'l Inc (PB Power)
Project	Ras Girtas, Ras Laffan Wasser & Power Projekt
Area	28.800 m ² , Potable Water tanks
Construction	June 2009
VIP System	QuickPrime 2K-Epoxy SF QuickSpray Supreme W



Project Description

Ras Girtas Water & Power Projects required a WRAS Certified, fast curing surface coating system with high mechanical abrasion resistance, no VOC contents, no cracking and stable features for their newly constructed potable water tanks at the desalination plant at Ras Laffan. Application with 1:1 heated, high-pressure, plural component equipment (Graco XP-2). Pressure of time for fast completion and cost advantages favoured QuickSpray Supreme W (aromatic), a WRAS Certified, 100% Polyurea 2-part Coating-System derived from a reaction of Isocyanate and Amine terminated resin.

Processing took place in 4 steps:

1. Concrete was prepared and cleaned of any residues that may have an affect to bonding.
2. Surface was primed and adhesion improved.
3. The aromatic Polyurea QuickSpray applied with heated mixing equipment.
4. After curing time of 24 hours the tank were filled with potable water.

The complete process of surface-preparation and application of the Polyurea System was successfully completed.

