



POWER ENGINEERING CORPORATION

## Protection of Hydrochloric Acid Pit using ARC 791

Client: QVC

Location: Qatar

Industry: Industrial



### Challenge:

Issue:

Corrosion in Concrete wall For Hydrochloric Pit.

Goal:

Protection of concrete wall against Concentrated hydrochloric acid attack.

### Solution:

Preparation:

- Remove all contaminants and acid residues using Chesterton 803 cleaner.
- Surface preparation was held.

Application:

- Prime Using ARC 797.
- Top Coat by ARC 791 using steel trowel with 6mm DFT.

### Results:

- The pit returned to service in less than 6 hours.
- Client reported that ARC Coatings is much more efficient and cost effective when compared to anti-acid ceramic tiles.
- So far, and after 10 years of application of ARC 791 the pit is working without any issues.



Wall after surface Preparation and decontamination



Applying of ARC 791 by Chesterton specialist



ARC 791 is more effective compared to anti-acid ceramic tiles

Sheikh Al-Thani Business Centre, Building 6, Office 10, Um Gwailina, Doha, Qatar P.O. Box 22656

Telephone: +974 4462-6952/53 Fax: +974 4462-6954

[pecorp@qatar.net.qa](mailto:pecorp@qatar.net.qa)