

Client: <i>Water Desalination Plants</i>	Industry: <i>Industrial</i>
Scope: <i>Sand Filter Internals</i>	Date: <i>June 2015</i>
Location: <i>Egypt</i>	Products: <i>RS 500P & RP 500</i>

Overview

The internal surfaces of sand filters in the Hurghada, Marsa Matroh and Elarish Water Desalination Plants were suffering from corrosion damage and required to be completely refurbished.

Challenge

Application had to be carried out in confined spaces. Working in high humidity also added to the difficulty of this project. Application of ceramic system to be carried out by hand.

Solution

The surfaces were grit blasted to Sa 2½ standard. One primer coat of **solvent-free, wet & rust tolerant Epo-chem™ RS 500P** was applied. This was followed by two topcoats of **solvent-free, ceramic coating Ceram-chem™ RP 500**.

Outcome

The projects were completed on time, within budget and to the complete satisfaction of the client. As a result of the successful application, the client stated that they plan to use the **Chemco** system for the remainder of their sand filters.

Benefits

- Solvent-free
- Easy to apply ceramic system by hand
- **FDA Approved** for potable water applications
- Excellent chemical resistance
- Extremely smooth, hardwearing finish
- Reduced H&S and Fire Precautions
- Application can be carried out in very high humidity
- High abrasion resistance

Continued overleaf

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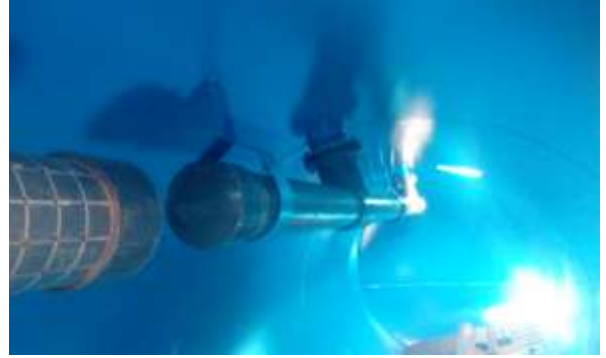
Photographs

- No. 1 Outside of the tanks
- Nos. 2 and 3 Completed application

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Photographs

- Nos. 4 and 5 Completed application
- No. 6 After first topcoat
- No. 7 After priming

- Solvent-free • Water-based • Wet-tolerant
- Rust-tolerant • Zero VOC
- Tank & Pipe Linings • Under-water & Marine • Glassflake
- Rust Converters & Primers • Ceramic & Metal Repair • Anti-static, Conductive & Anti-slip Flooring
- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
- Concrete Repair Systems • Elastomeric System
- High Temperature Systems • Fire Retardant • Insulation Systems

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