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| Client: <i>Petrochemical Plant</i> | Industry: <i>Petrochemical</i> |
| Scope: <i>Chemical Storage Tank Lining</i> | Date: <i>April 2016</i> |
| Location: <i>UK</i> | Products: <i>Chem-tect™ RC 300 & RB 300</i> |

Overview

Stainless steel chemical storage tanks used to store various aggressive acids and alkalis were beginning to corrode and required to be completely refurbished.

Challenge

The previous coating had to be completely removed and replaced with a new lining system which could provide protection from the full pH range. The new lining system also had to have exceptional adhesion to a stainless steel substrate.

Solution

The tank internals were abrasive blasted to Sa 2½ standard, completely removing the previous coating and leaving a clean white metal for the new coating system. One coat of **Chem-tect™ RC 300** was applied first to ensure a high level of adhesion to the stainless steel substrate. This was then overcoated with one coat of highly chemical and high temperature resistant **Chem-tect™ RB 300**.

Outcome

The work programme was successfully completed within the given time frame. The unique combination of these two **Chemco** coatings will ensure that long-term maintenance-free protection against the full pH range is provided.

Benefits

- Exceptional resistance to the full pH range (1-14)
- Excellent resistance to the most aggressive chemicals operating at high temperatures
- Outstanding adhesion to stainless steel substrates
- Fast curing

Continued overleaf

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Photographs:

- No. 1 After grit blasting
- No. 2 Applying Chem-tect™ RB 300

* This project was carried out by Chemco's Approved Contractor, [Corroless Eastern](#)

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Photographs:

- Nos. 3 and 4 Completed application

- 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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