

Client: <i>Wastewater Treatment Plant</i>	Industry: <i>Industrial</i>
Scope: <i>Wastewater Tank Internals</i>	Date: <i>February 2017</i>
Location: <i>Peterhead, Scotland</i>	Products: <i>Epo-chem™ RS 500P & RA 500M</i>

Overview

The old coating had deteriorated, was suffering from corrosion damage and had to be refurbished.

Challenge

Grit blasting could not be utilised.
The new coating system had to be able to withstand a pH of 10.
Due to the outside temperature of the tank, there was a possibility that the internal surface of the tank could be sweating and therefore a moisture tolerant coating had to be used.

Solution

The substrate was prepared by water jetting to WJ-2/3 standard.
One stripe coat and one full coat of **solvent-free, wet & rust tolerant epoxy Epo-chem™ RS 500P** was applied.
This was followed by one stripe coat and one topcoat of **solvent-free, wet tolerant, glassflake epoxy Epo-chem™ RA 500M**.

Outcome

The whole process was completed within 5 days; much quicker than would have been possible using conventional paints and grit blasting.
This allowed substantial cost savings to be achieved.

Benefits

- Solvent-free
- Wet & rust tolerant
- No grit blasting
- No humidity or dew point restrictions
- Reduced H&S and Fire Hazard
- Substantial time and cost savings

Continued overleaf

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Photographs:

- Nos. 1-2 Before Application

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Photographs:

- No. 3 Applying Stripe Coat of RS 500P
- No. 4 Priming Complete
- No. 5 Applying Stripe Coat of RA 500M
- No. 6 Applying Full Coat of RA 500M
- No. 7 Completed Application

East Shawhead Industrial Estate
Coatbridge ML5 4XD
Scotland United Kingdom
Tel: +44 (0) 1236 606060
Fax: +44 (0) 1236 606070
Email: sales@chemcoint.com
Web Site: www.chemcoint.com