

500 Series for Aerobic Reactor



Plant in operation



Corroded Floor



Preparation of top coat

Industry	Water Treatment
Date	2013
Substrate	Mild Steel Structure
Products	Epo-chem RS500P –Wet & Rust tolerant 100% solids epoxy. Epo-chem RA500 – Wet tolerant glass flake filled 100% solids epoxy.
Environment	Waste Water Effluent – pH 9
Challenge	To provide a cost effective coating system offering a long-term anti-corrosion solution that will ensure in excess of 15 years' service life.
Chemco's Solution	We recommended priming with RS500P, followed by RA500 top coat.
Scope	Abrasive blast to AS 1627.4 with a nominal 50-75µm profile. Application of 1 coat of RS500P with a nominal DFT of 60-100µm. Check film thickness in a grid pattern (between coats) Strip coat using RA500 Series on all welds and changes in direction to ensure coverage. Application of 1 coat of RA500 Series with a nominal total DFT of 300µm. Carry out holiday test at 1.5kV to ensure no faults. Demobilise from site and removal of trade waste
Results	Application costs were kept to a minimum as the specified coating systems, RS500P & RA500 both feature wet tolerant qualities during application. For this reason humidity and dew point are not a concern, negating the need for dehumidification. The coating system is easy to maintain with an expected life in excess of 15 years.