CORROLESS®
PROTECTIVE COATINGS

worldwide corrosion protection

CASE STUDY: PRIMARY SETTLEMENT TANK

LOCATION: WALES UK

MARKET: UTILITIES

REQUIREMENT: To overcome the corrosive effects of moisture, chemical contamination and raw sewage, the client had specified a full range of Corroless systems at its Water Treatment Works. Concrete primary settlement tanks based upon a radial design were suffering from severe corrosion, abrasion and delimitation. The sludge sticking to the sides of the tanks was slowing down the operation of the scraper blades and using additional power. Customer required the concrete to be protected and a hard, smooth, abrasion resistant surface created to stop sludge build up on the tank surface and scraper blades.

SURFACE PREPARATION: The tanks were high-pressure water jetted to remove laitance and loose material. The damaged surface and blowholes were repaired where necessary prior coating. The scraper bridge was prepared using hand tools.

COATINGS: The tank and bottom of the scraper bridge were treated with 2 coats of Corroless EPF. The top of the scraper bridge was treated with a coat of Corroless EPF and two coats of Corroless RF65.

PRODUCT:	**DFT**
Tank and bottom of scraper bridge	
Corroless EPF Buff	200 microns
Corroless EPF Black	200 microns
Top of scraper bridge	
Corroless EPF Buff	200 microns
Corroless RF65 Grey	50 microns
Corroless RF65 Grey	50 microns

COMMENTS: The required protection was achieved with a working life of up to ten years. A reduction in energy costs to run the plant was also achieved.

An Axalta Coating Systems Brand

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