

Project Profile - Utilities



PROJECT

Oldham BAFF Tanks

SUMMARY

Repair and protection of 3000m² of concrete on BAFF treatment tanks.

PRODUCTS

Monolevel 844SP
Cemprotec E942

CLIENT

United Utilities

CONTRACTOR

RAM Services Limited

BACKGROUND ►

Oldham WWTW has undergone a £10m refurbishment to improve the quality of the treated effluent. Biological Aerated Flooded Filters (BAFF) are made up of a series of reinforced concrete tanks, where a medium of polystyrene balls are used to grow bacteria to treat the effluent.

After 8 years' service, the walls and columns exhibited distress in the form of attack of the paste and aggregate of the concrete, necessitating repair and protection system to assure the 60 year design life.

THE SOLUTION ►

Consulting Engineers, MWH selected a Flexcrete system comprising **Monolevel 844SP**, a single component engineering quality fairing coat for filling minor imperfections, and **Cemprotec E942**, a two-component, water based, epoxy and polymer modified coating with high chemical and abrasion resistance. **Cemprotec E942** withstands a 100 metre hydrostatic head and has a long history of use in wastewater treatment facilities with its proven resistance to sewage and aggressive condensates. The system is compliant with EN 1504 and offers a safe and environmentally friendly method of reinstating structural integrity.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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