

Project Profile - Utilities



PROJECT

**Ormesby Water Treatment Works
(Paterson Plant), Great Yarmouth**

SUMMARY

Repair and protection of rapid gravity filters and sedimentation tanks

PRODUCTS

Steel Reinforcement Protector 841
Monolevel 844SP
Monomix
Cementitious Coating 851

CLIENT

Essex & Suffolk Water

CONTRACTOR

Aquazone Limited

BACKGROUND ▶

Situated in one of the driest parts of the country, Ormesby Water Treatment Works was constructed in 1935 on natural, undisturbed sub-soil.

After 70 years of service, the cast in-situ reinforced concrete structure was suffering from advanced deterioration, necessitating a complete refurbishment as part of a billion pound investment programme instigated by Essex and Suffolk Water. All materials had to be suitable for contact with potable water to reinstate the integrity of the Plant.

THE SOLUTION ▶

The rapid gravity filters and sedimentation tanks were prepared prior to **Steel Reinforcement Protector 841** being applied to the exposed steel, followed by **Monomix** to fill all voids. **Monolevel 844SP** was used to level all surrounding surfaces with **Cementitious Coating 851** providing the final waterproof protection. Noted also for its resistance to chemicals used in water treatment processes, **Cementitious Coating 851** is also highly effective in reinstating inadequate cover. In the UK, the system is fully approved for permanent contact with potable water.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

Flexcrete Technologies Limited
Tomlinson Road • Leyland
Lancashire • United Kingdom
PR25 2DY

Tel: +44 (0) 845 260 7005 • **Fax:** +44 (0) 845 260 7006
Email: web@flexcrete.com • **Web:** www.flexcrete.com

