

Project Profile - Utilities



PROJECT

Frankley Reservoir

SUMMARY

Repair and waterproofing of one of the UK's largest storage reservoirs

PRODUCTS

Monomix
Monolevel 844SP
Cementitious Coating 851

CLIENT

Severn Trent Water

BACKGROUND ►

Frankley Water Treatment works is situated at the end of pipelines that run over 73 miles from the Elan and Claerwen Valleys bringing water to supply Birmingham and surrounding areas.

The underground reservoir used to store the treated water, like so many elements of the UK's ageing water infrastructure, had begun to show signs of cracking and leaking through the walls and floor slab. Columns too were suffering damage due to water ingress and reinforcement corrosion.

THE SOLUTION ►

Areas of damaged concrete were cut back to a sound core and filled using **Monomix** - a high strength polymer modified repair mortar to reinstate cover and restore structural integrity. **Monolevel 844SP** was applied to the columns to consolidate the surface prior to the spray application of two x 1mm coats of **Cementitious Coating 851**. This dense impermeable coating provides a barrier to water, which is equivalent to 1m of structural concrete. The above products all have Regulations 31 Approval for use in contact with drinking 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

