

Project Profile - Utilities



PROJECT

Swanland Water Tower, East Riding of Yorkshire

SUMMARY

Waterproofing of concrete roof and repair to internal soffit beams

PRODUCTS

Steel Reinforcement Protector 841
Monomix
Monolevel 844SP
Cementitious Coating 851

CLIENT

Yorkshire Water

BACKGROUND ►

The deterioration in the condition of the Swanland Water Tower required the use of a range of materials to bring the structure up to standard following leakage of rainwater through the roof section causing corrosion.

THE SOLUTION ►

Given the diverse nature of the damage, it was important to specify a system with compatible components, and the extensive range of cement-based products from Flexcrete was chosen. After cutting back to a sound core, **Steel Reinforcement Protector 841** was applied as a 2mm layer to passivate and provide a defence against further corrosion. The cover was then replaced with **Monomix**, a shrinkage compensated waterproof mortar with rapid curing characteristics. The surrounding surfaces were then brought up to a fair faced finish with **Monolevel 844SP** which is applied either by float or bag-rubbing technique. To complete the waterproofing, a 2mm layer of **Cementitious Coating 851** was applied by spray equipment to form a dense skin equal to casting an extra metre of concrete cover.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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