

## Project Profile - Utilities

### PROJECT

Midanki Dam, Syria

### SUMMARY

Waterproofing of concrete and construction joints on 6000m<sup>2</sup> concrete control tower

### PRODUCTS

Cemprotec Elastic

### CLIENT

Al Assi Basin

### CONTRACTOR

BMC Syria

### BACKGROUND ►

During construction of this dam on the Ifrin River in Northern Syria it was found that the concrete used in the Control Tower was weaker than originally specified and therefore more vulnerable to water ingress.

Moreover, the construction joints were not watertight and urgent work was needed to rectify both problems before the dam could be completed and commissioned.

### THE SOLUTION ►

It was decided that the best solution would be to re-waterproof the construction joints and treat the weak concrete simultaneously with a single, versatile product that could be sprayed over both. The brief called for a coating able to resist immersion in water at 7 bar pressure. Flexcrete's **Cemprotec Elastic** far exceeded the requirements as the recommended 2 mm film is able to resist 10 bar water pressure. It is a cementitious modified, polymer rich coating which maintains its elastomeric properties even under immersed conditions and is ideally suited for waterproofing and protecting concrete structures exhibiting cracking where further movement can be expected.



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](mailto:web@flexcrete.com) • **Web:** [www.flexcrete.com](http://www.flexcrete.com)

