

Project Profile - Coastal Structures



PROJECT

**Lowestoft Dock Service Tunnel,
Suffolk**

SUMMARY

Corrosion protection of cast steel
segments

PRODUCTS

Cemprotec E942

CLIENT

Anglian Water

BACKGROUND ►

Since construction in 1966, the cast steel segmental tunnel carrying the services beneath the entrance to Lowestoft harbour had become significantly corroded due to the leakage of both water and sewage.

The Client sought a practical refurbishment solution which could be effectively executed in the confined and difficult conditions.

THE SOLUTION ►

Cemprotec E942 was specified for this project – a 2mm epoxy and polymer modified cementitious coating with excellent adhesion to steel without the need for a priming system. Being water-based, the hazards associated with alternative solvent containing materials were avoided, which is an important advantage in an enclosed environment. Owing to the logistical challenges of this work, it was not possible to maintain Sa 2½ prior to the application, but unlike traditional coatings, the inherently alkaline nature of the **Cemprotec E942** provides immediate passivation of any localised flash rusting on the surface. **Cemprotec E942** is also tolerant of surface dampness and cures to a tough finish with excellent impact and abrasion resistance.



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

