

## Project Profile - Civil Engineering & Infrastructure



### PROJECT

London Road Shunt Tunnel,  
London

### SUMMARY

Coating of cast iron shunt tunnel  
lining

### PRODUCTS

**Cemprotec E942**

### CLIENT

London Underground

### CONTRACTOR

Quickseal Specialist Contractors

### BACKGROUND ►

The London Road Depot was opened in 1906 as the maintenance facility for the original Baker Street and Waterloo Railway, now known as the Bakerloo Line on London Underground.

Capable of accommodating up to 10 trains, it uses this short shunt neck tunnel to manoeuvre them. Located beneath St George's RC Cathedral, it consists of 176 bolted cast iron rings with an internal diameter of 3.81m. A survey had revealed the segments to be good condition, but a suitable coating was required to guarantee long term protection.

### THE SOLUTION ►

Acting on behalf of London Underground, Metronet approved the use of **Cemprotec E942** as a cost effective yet environmentally friendly solution. With strict limitations on working hours and tight control on the use of hazardous products and processes, **E942** provides innovative stand alone corrosion protection in demanding service conditions. After removing loose rust from the surface, specialist contractor, Quickseal spray applied the **Cemprotec E942** in two 1mm coats using a PowerSpray PS 1000 pump direct to the cast iron, rapidly passivating the surface and stifling further corrosion.



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)

