

Project Profile - Civil Engineering & Infrastructure



PROJECT

Thelwall Viaduct, Cheshire

SUMMARY

Reinstatement of cover and chloride protection on concrete bridge deck

PRODUCTS

Cementitious Coating 851

CLIENT

Cheshire County Council

CONTRACTOR

Amec Civil Engineering

BACKGROUND ▶

Flexcrete has been closely associated with the various phases of repair works on the original structure which carries the M6 Motorway over the Manchester Ship Canal.

Having supplied all the repair materials for the 1987 refurbishment, Flexcrete was again consulted with regard to low cover and chloride protection issues in 1996.

THE SOLUTION ▶

Cementitious Coating 851 was initially considered as a remedial treatment to overcome the problem of inadequate cover, although its ability to act as a complete barrier to chlorides was also seen as attractive to the Client who assessed **851** for upgrading the newly cast verges. With just 2mm of this polymer modified coating directly on to the saturated concrete, the equivalent of an additional 100mm of cover is conferred (based on an extrapolation of the oxygen diffusion characteristics of 851). The material is easy to apply in a single coat, curing to form a tough surface over which road surfacing can be installed. **851** carries certification from BBA as part of the Flexcrete repair and protection system.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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