

Project Profile - Civil Engineering & Infrastructure

PROJECT

Hillingdon Bridge, A40,
West London

SUMMARY

Reinstating cover on a major
concrete road bridge

PRODUCTS

Monolevel 844SP
Cementitious Coating 851

CLIENT

Department of Transport

CONTRACTOR

Amec Civil Engineering

BACKGROUND ►

A covermeter survey on completion of the new Hillingdon Bridge showed signs of low concrete cover to the reinforcement of the parapet beams.

Due to the location of this bridge over one of the main arterial routes into London, it was absolutely imperative to maintain its structural integrity. The Client was keen to evaluate a material which offered additional protection from chlorides.

THE SOLUTION ►

Consequently, **Cementitious Coating 851** was selected as the ideal solution because of its dual purpose in reinstating cover whilst forming an excellent barrier to chlorides from washed de-icing salts – in an independent test, **851** is shown to improve the chloride ion diffusion resistance of normal concrete by over 200 times. In this case **Monolevel 844SP** was used to provide a fair faced finish before the application of the high performance 2mm polymer modified coating. **Cementitious Coating 851** also confers excellent anti-carbonation properties, and its inherently waterproof nature prevents damage from freeze/thaw cycles during winter months.



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

