

New Street Carpark

Birmingham, UK



Country: United Kingdom
Timescale: Dec 2012 – Apr 2013
Structure: Multistorey car park
Client: Network Rail / MACE

CPT Treatment used:
DuoGuard™ Galvanic Anode System



Birmingham New Street station was being transformed into a modern transport hub by Network Rail in a £140 million redevelopment which was to incorporate the Grand Central shopping mall and Flagship John Lewis store.

Part of this redevelopment incorporated an existing car park structure which was to be retained in part for drop off parking for the revamped station and partly converted to retail premises.

Problem

During its previous use, the car park had been exposed to de-icing salts which had led to chloride contamination of the concrete and steel reinforcement corrosion.

Solution Developed

DuoGuard hybrid anodes were installed onto the deck over an area of 2500 m sq. The anodes were connected into small enclosures which were discretely located to allow future access to the system at any time. The installation was completed to target on an extremely tight timescale.

Benefits

The DuoGuard (Hybrid) anode system was selected due to the minimal maintenance requirement following installation, the speed and simplicity of installation, supporting technical data and technical support offered by CPT.



CPT Products Used:

- ◆ DuoGuard™ 500 and 750
- ◆ DuoCrete SD Mortar

Number of Anodes used:

10500

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