

Project Profile - Civil Engineering & Infrastructure



PROJECT

M40 Junction 4 Handy Cross Bridge

SUMMARY

Protection of exposed reinforcement and reinstatement of concrete cover to deck

PRODUCTS

Steel Reinforcement Protector 841
Fastfill

CLIENT

Highways Agency

CONSULTING ENGINEER

Morgan Tucker

CONTRACTOR

VolkerLaser

BACKGROUND ►

When planing the concrete bridge deck at Junction 4 of the M40 in preparation for the application of a waterproof membrane, too much of the concrete cover was removed.

In some areas, the steel reinforcement was also exposed. Emergency repairs were required to reinstate protection to the reinforcement and to build up the concrete cover. It was vital that the system chosen had rapid setting properties, as the work needed to be completed quickly to minimise disruption to traffic on this busy motorway.

THE SOLUTION ►

Steel Reinforcement Protector 841 was approved as an anti-corrosion coating to the steel reinforcement. **Fastfill** was specified as an overlay at average thickness of 25mm for an area of 300m², and for deeper patch repairs it was bulked out with sand. Over 10 tonnes of **Fastfill** was applied during a single weekend, enabling the waterproofing contract to be completed with. **Fastfill** is a fast setting, high strength, polymer modified mortar that does not require a primer. **Fastfill** is CE Marked under EN 1504 Part 3. It is also BBA certified and complies with Highways Agency Standard BD 27/86.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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