

Project Profile - Civil Engineering & Infrastructure



PROJECT

Cocklaw Bridge, M90, Scotland

SUMMARY

Repair and protection of motorway over-bridge

PRODUCTS

Steel Reinforcement Protector 841
Bonding Bridge 842
Monomix
Monodex Smooth

CLIENT

Bear Scotland Ltd

CONTRACTOR

Scott-Or Ltd

BACKGROUND ▶

Routine inspection highlighted the need for maintenance on the overbridges on the M90 motorway near Kelty in Scotland to prevent further concrete deterioration.

The Client stipulated the use of a repair and protection system that could offer outstanding long term protection against the common sources of attack in this type of structure, including carbonation, ingress of de-icing salts and the effects of freeze/thaw cycling.

THE SOLUTION ▶

Work began with the application of two coats of **Steel Reinforcement Protector 841**, followed by **Bonding Bridge 842**, to enhance the bond to high porosity concrete. **Monomix** was then applied as the structural repair, a high build, simple to profile mortar based on the most advanced polymer cement chemistry. It is an easy-to-use single pack material which is fully compliant with the Highways Agency Standard BD 27/86. Finally **Monodex Smooth** was applied to the overall structure for complete protection. The entire system offers a minimum 15 years to first maintenance and is covered by Flexcrete's BBA Certificate.



FM 41091
EMS 597350
OHS 597351

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Environmental
Health & Safety

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