



## Project Profile - Civil Engineering & Infrastructure

### PROJECT

**M1 Motorway Bridges, Derbyshire**

### SUMMARY

Rapid reinstatement of joint nosings of a motorway bridge

### PRODUCTS

**Fastfill**

### CLIENT

UK Department of Transport

### CONTRACTOR

Fixcrete Limited

### BACKGROUND ►

Whilst the bridges between junctions 24 and 25 of the M1 motorway (connecting London with the North) were being prepared for a major bridge deck waterproofing project, contractors discovered significant deterioration in the concrete deck caused by chloride ingress from de-icing salts which clearly had to be reinstated prior to coating.

### THE SOLUTION ►

In order to ensure that all works were completed within the strict schedule imposed by the Client, specialist contractor Fixcrete Limited was appointed to carry out the reinstatement using **Fastfill**. This rapid hardening, fibre reinforced, polymer modified repair mortar is based on Portland cement technology which cures to give reliable strength development and excellent long-term durability due to its advanced shrinkage compensated formulation. Key reasons for its specification were an ability to achieve a compressive strength of 25N/mm<sup>2</sup> in just 4 hours at 20°C to allow application of the waterproofing membrane, significantly reducing the contract time over traditional repair mortars.



FM 41091  
EMS 597350  
OHS 597351

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