

# CASE STUDY

**WHERE?** A38 Bristol Road South, Glasstex, Birmingham, UK

**WHEN?** 1999

**WHO WAS THE CLIENT?** Birmingham City Council



## **OVERVIEW:**

The existing asphalt was milled off to a depth of between 150-200 mm at various sections. 200 pen bitumen spray was then applied and Glasstex installed directly on to the planed surface of the old road base. 28,000m<sup>2</sup> of Glasstex was then installed using a purpose built lay-down machine for speed and accuracy by specialist installer AGS Ltd, now operating as Foster Contracting Ltd. An asphalt base was then installed and the traffic flow was then switched to repeat the exercise prior to laying the final surfacing.

## **WHAT WERE THE CHALLENGES?:**

The existing heavily trafficked asphalt road was badly cracked due to movement of the sub strata. The client wished to keep traffic disruption to the minimum and so required a deep plane and resurface solution rather than full-depth reconstruction. This would allow one lane at a time to be closed, planing a section then resurfacing back up to binder level each day in time to reopen for the rush hour period.





## THE SOLUTION:

The existing asphalt was planed off and Glasstex was machine installed and covered with binder course and finally surfacing back to the previous finished road level. The Glasstex composite consists of a paving felt that acts as a strain alleviating membrane interlayer (SAMI) which is factory stitched to a grid of high tenacity glass fibre yarns that provide additional tensile strength to the overlay.

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## BENEFITS TO CLIENT:

Glasstex® was successfully installed directly on to the milled surface minimising construction time and traffic disruption. The asphalt overlay life has been extended and 8 years on the pavement shows no sign of distress

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