

CASE STUDY

WHERE? St George's Barracks, MoD North Luffenham, Rutland

WHEN? 2007

WHO WAS THE CLIENT? Ministry of Defence

OVERVIEW:

The client wished to upgrade a former airport apron into a military equipment display and training yard. The existing surface consisted of old concrete slabs, approximately 3m x 3m. In several areas the surface was breaking up and potholes were developing: the surface evenness was unacceptable.

The surface was brushed to remove loose materials and the potholes were filled with a patching mix. 160/220 Pen bitumen was then sprayed at 160°C at a rate of 1.1 l/m² onto the surface and Glasstex® was installed on to it using a specialised lay down rig. A 40 mm asphalt overlay was then applied directly over the Glasstex.



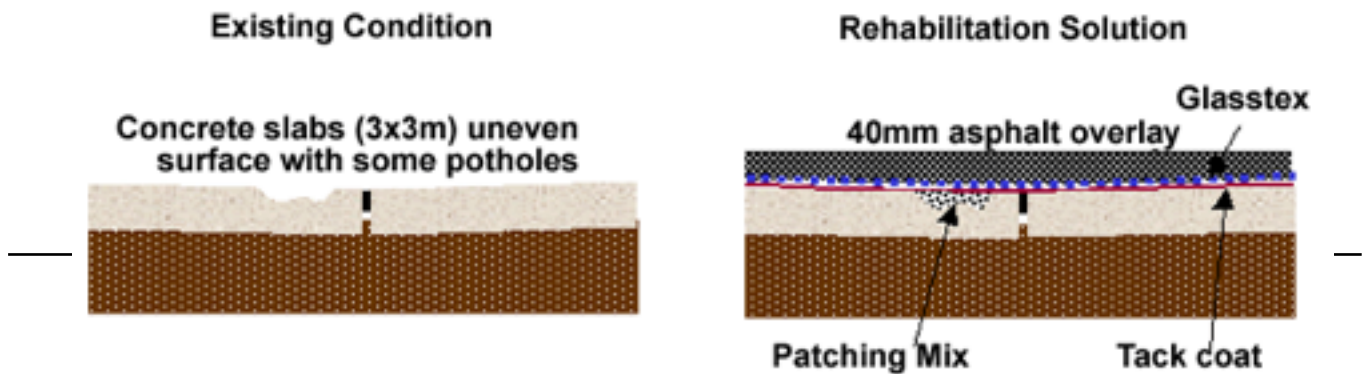
WHAT WERE THE CHALLENGES?:

The airport's old concrete slab apron had become uneven and developed potholes due to localized surface disintegration. The client required an economical solution which would provide a smooth surface.



THE SOLUTION:

After filling the potholes Glasstex® paving composite was installed on to the existing concrete before laying a 40mm thick asphalt overlay. The Glasstex is designed to inhibit the propagation of reflective cracking.



BENEFITS TO CLIENT:

Optimum solution to a reflective cracking challenge by adding the minimum thickness of asphalt overlay and so making little change to the pavement finished road level.

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