

**HEATHROW AIRPORT  
 TAXIWAY REHABILITATION**

Heathrow is already one of the world's busiest international airports, requiring constant maintenance of runways, taxiways and aircraft stands. With ever-increasing volumes of passengers and freight, plus the introduction of the new A380 Super Jumbo, pavement rehabilitation work is a priority for BAA's design team, in partnership with contractors, Amec & Lafarge.

6,400 m<sup>2</sup> of Rotaflex 830SL was supplied and installed by ABG Ltd on Blocks 118/119 Taxiway, over 2 shifts during August 2004.

During a military-style operation, disruption to air traffic was minimised by working under night-time closures, within very strict time limitations and Health & Safety guidelines. Following pre-patching and joint-sealing, Rotaflex was installed directly on the existing surface and immediately overlaid with a new 50mm proprietary surfacing material.

Requiring minimal preparation, this proved to be the quickest and most cost-effective method of controlling existing reflective cracking, preventing further deformation and extending the pavement fatigue life.

Rotaflex is a composite material, combining a non-woven polyester geotextile and a tough PVC coated glass fibre grid.

Benefits include a substantial reduction in required asphalt overlay thickness. Where kerb heights, thresholds or shallow services are a problem, Rotaflex provides a solution.

Rotaflex can also extend the service life of new pavements, thus reducing required maintenance periods & costs and reducing traffic disruption to the public.

Rotaflex is completely recyclable.

ISO9001 accredited, ABG is committed to the highest standards in achieving innovative and sustainable solutions for environmental schemes.



Our recent projects demonstrate the broad base of our activities in this market.



During installation, the textile absorbs bitumen, creating a permanent waterproof barrier. This prevents deterioration caused by water penetration and chemical attack. The high tensile strength, low elongation grid provides permanent, high-performance pavement reinforcement to protect the new overlay against cracking and rutting.

