



Asphalt Reinforcement

Asphalt Reinforcement on Dundee Airport Taxi Apron and Runway using Rotaflex.

Dundee airport upgrade was undertaken to meet growing levels of traffic expected as a result of the burgeoning budget flights market selecting Dundee Airport as a destination.



Aerial shot of installation. White areas show Rotaflex prior to being overlaid with asphalt

The design was undertaken by Dundee City Council who selected carried out the design using Rotaflex glass fibre grid to provide asphalt reinforcement.

Rotaflex is a composite comprising a high strength glass fibre grid bonded to a non-woven textile; this textile absorbs bitumen and creates a waterproof layer within the build up which prevents deterioration and delamination as a result of water penetration within the structure.

During the resurfacing a regulating course was placed on the old pavement followed by Rotaflex reinforcing grid and new overlay.

Using Rotaflex in this application offered the designers

Project Information

Client	Highland and Island Airports Ltd
Contractor	ABG (Geogreen Solutions)
Designer	Dundee City Council
Products	• Rotaflex 830SL
Benefits	• Reduced reflective cracking • Extended fatigue life

and client a number of benefits including

- A reduction in the reflective cracking expected within the pavement build up.
- Extended pavement life through a reduction of fatigue within the pavement



Asphalt reinforcement prior to asphalt overlay

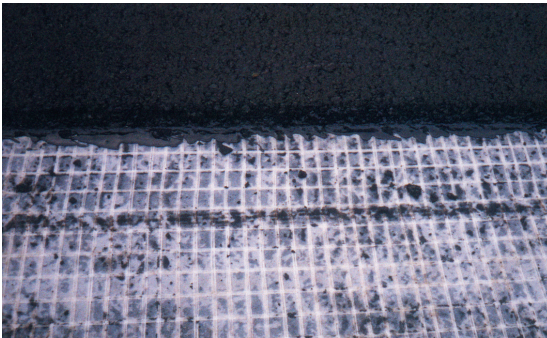
For more information on Pozidrain visit www.abgltd.com/products/rotaflex

In total over 9,000m² of Rotaflex 830SL asphalt reinforcing grid was supplied and installed by ABG.

Rotaflex is fully supported by ABG's in-house technical department who will be happy to provide guidance on its use and applications and offer advice on specification.

Supply and installation of Rotaflex is offered through Geogreen Solutions, ABG's in-house installation business.

Contact ABG to explore how Rotaflex could help your client achieve a sustainable, cost effective and carbon neutral solution.



Close up of installation showing glass fibre grid and textile.



Rotaflex in-situ prior to application of asphalt overlay.

About ABG

ABG are a market leading developer of high performance geosynthetic solutions for use in a wide range of civil, environmental and building applications. Established for 25 years and based in the UK ABG pride themselves of delivering outstanding customer service along with innovative solutions.

©ABG Ltd 2013 CS_007_B



abg creative
geosynthetic
engineering

abg Ltd

E7 Meltham Mills Rd
Meltham, Holmfirth
West Yorkshire
HD9 4DS

t +44 (0)1484 852096

e geo@abg ltd.com

www.abg ltd.com