

Polyfelt PGM-G asphalt reinforcement pavement fabric Pavement Rehabilitation work at NATO Airport Plovdiv, Bulgaria

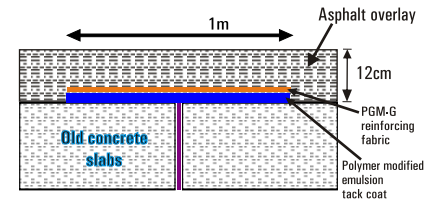
Project Data

Project	: NATO Airport Plovdiv, Bulgaria
Old Surface	: Cracked concrete slabs
Tack coat / New overlay	: Polymer modified emulsion 70% Asphalt concrete overlay 12cm
Products Used	: Polyfelt PGM-G 50/50 paving reinforcement fabric (50,000m ²) Polyfelt PGM-G 100/100 paving reinforcement fabric (70,000m ²)
Year of maintenance	: June 2001

In June 2001, the runway of the NATO Airport Plovdiv in Bulgaria had to be repaired. The old pavement structure consisted of old rigid concrete slabs which were constructed without longitudinal hinge joints. This resulted in warping cracks occurring in both longitudinal and transverse direction.

Polyfelt technical assistance and experience was sought to provide the most economical solution. After analysis, it was determined to use a combination of Polyfelt PGM-G 50/50 and PGM-G 100/100 for taxiway and runway in order to prevent the propagation of reflective cracks from the old concrete pavement to the new asphalt concrete overlay.

Polyfelt PGM-G was supplied in rolls of 1 m width. Installation was carried out by using a manual laying machine. In total, 50,000 m² PGM-G 50/50 and 70,000 m² PGM-G 100/100 were used.



Typical cross section



Polyfelt PGM-G strips were placed over the joints of the concrete slabs.



Installation of Polyfelt PGM-G paving fabric with a manual laying machine in top of the tack coat surface.

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Further details of this application and products can be obtained by contacting your nearest TenCate Technical Support office.

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