COLBOND
GEOSYNTHETICS

Enka®Tex AR S 50/50

Kuala Lumpur International Airport

Location : Kuala Lumpur International Airport, Malaysia.
Date : 2006
Quantity : 115,000 sqmts

New model aircraft like the Airbus A 380 can provide technical challenges for airports around the world. Dimensions and weight of these new wide-bodied aircraft can often necessitate civil works to ensure smooth operation, especially on existing runways and taxi areas.

Normally taxi ways and runways have to be completely renewed. An example of this is the international Airport in Kuala Lumpur in Malaysia.

The existing construction of the runway had a 250 mm asphalt overlay on top of the old concrete paving slabs. The slabs had dimensions of 2,50 X 2,50 m. Due to the expansion joints the asphalt overlay had a strong crack formation. During the rehabilitation the old cracked asphalt overlay was milled and a 40 mm leveling course was installed. To prevent a snap through the expansion joints an asphalt reinforcing paving grid was installed.

Subsequently three 70 mm layers of asphalt were installed on top.

High tensile strength paving grids made of glass yarns, with a softening point higher than 800°C exhibited very good mechanical properties and during this project approximately 115.000 sqmts* were successfully installed.

* Product supplied under a different name but manufactured under the same conditions, at the same location and has the same technical properties as Enka ®Tex AR S 50/50

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