

Project profile

PROJECT

New Taxiway Construction

LOCATION

T3 at Changi Airport (Singapore)

APPLICATION

Airport terminal entering road

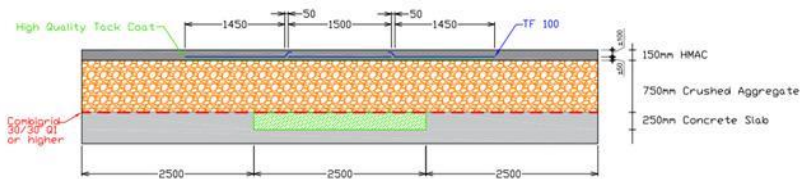
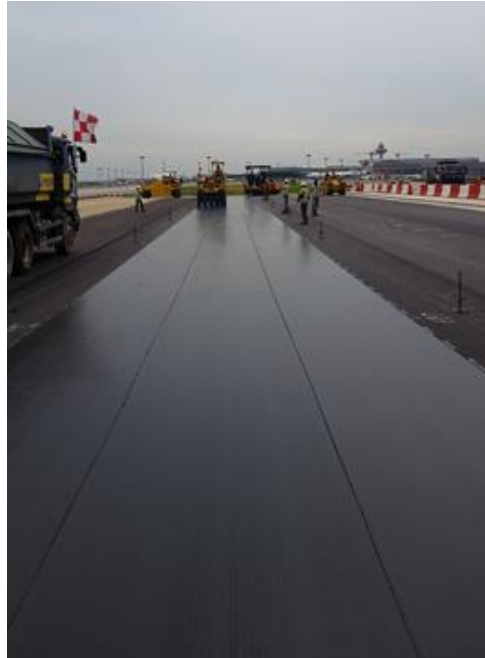
PRODUCT GGTF 100

QUANTITY 255 m²

CONTRACTOR Quek Construction

INSTALLATION DATE Dec 3 2016

PROJECT DETAILS



The Changi Airport struggles with soft soil settlement along taxiway. A new taxiway having a concrete box of fuel pipeline under ground is under construction. Knowing the risk of settlement at different rates, the CAG specifies GGTF-reinforced asphalt layer in order to reduce reflective cracking from edge of concrete structure.

Due to a local requirement, emulsified tack was manually sprayed by the contractor, followed by a drying time of 0.5 hr. Once the tack color was changed to black, except for a few puddles, a sample of TF was demonstrated to assure the tacky surface.

The TF was manually unwound and installed without wrinkles. A tire compactor thoroughly rolled out the TF surface 2-3 round trips and a paver laid the asphalt mixes of 153C onto it. The TF overlap was minimized less than 50mm. The TF locates on top of one asphalt layer of 50mm and is covered by two asphalt layers of 50mm each.

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