



PROJECT REPORT SHEET: **GROUTING OF NEW RUNWAY LIGHTING**

BluCem HE80AG Early Strength Cementitious Grout
AIRPORT OVERLAY PROJECT, MELBOURNE



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The project included resurfacing of two runways, east to west and north to south. New runway lighting was also installed. The majority of the works were carried out at night between 12:00am – 5:00am, with aircraft landing on the tarmac by 6:00am.

PROJECT COMPLETION: DECEMBER 2011
CLIENT/END USER: FULTON HOGAN FOR MELBOURNE AIRPORT

APPLICATION

WHERE WE USED BLUCEM HE80AG

Around 650 cubic metres of grout was used as backfill of seven kilometres of lighting cable conduit trenches. The contractor mixed the grout from 1200kg bulk bags and poured into place directly from the back of the 5.0 cubic metre agitator trucks.

WHY WE USED BLUCEM HE80AG

The specification called for the grout to be low shrinkage, fast setting and able to be rapidly installed to meet the tight timeline for night work.

FEATURES

- On site batching in agitators provided the contractor with the ability to mix large volumes of grout, which ensured that the grouting operation was completed in the shortest possible time
- Fast setting grout allowed early placement of the asphalt trench topping and cleanup before air traffic returned to the runway at 6:00am

BENEFITS

- Reduced labour costs and minimum chance of workplace injury
- Speed of application, improved QA
- Reduced chance of delays to the runway operations

SUMMARY

The customer benefited from the technology offered by the BluCem HE80AG grout where the lighting program and runway construction was within expected timetables and through support from Bluey Technologies' engineers operated the on site batching in a safe, efficient and environmentally acceptable manner.

