

# BluCem HE80



## A380 GENERAL HOLMES DRIVE TUNNEL UPGRADE

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This project required a product that allowed work to be completed on the main runway of Sydney International Airport during the airport curfew hours. Bluey Technologies provided grout solutions that enabled precast beams to be placed, grouted and the runway resurfaced during the tight 11pm to 5am timeslot. The grout had to be pumpable and provide 10MPa in 1 hour.

**PROJECT COMPLETION:** 2005  
**CLIENT/END USER:** SYDNEY AIRPORTS  
**CONTRACTOR:** ABIGROUP

### APPLICATION

#### WHERE WE USED BLUCEM HE80

Under the runway to embed precast beams.

#### WHY WE USED BLUCEM HE80

High early strength development and high flow characteristics allowed the beams to be placed and ready for landing planes with 1 hour.

### FEATURES

- Type C Class, dual shrinkage control grout
- Special additives to improve chloride and sulphate resistance
- Rapid strength gain helps with early structural and strata support
- Excellent pumpability for ease of application

### BENEFITS

High early strength gain which allowed planes to land within 1 hour of placement.

### SUMMARY

BluCem HE80 allowed this project to be undertaken. At the time, there was no other grout available which could provide the same flow characteristics and early strength gain benefits. The ability to reach 10MPa in 1 hour during cooler winter months has been found to be a unique benefit.





## Contact Bluey

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