

BluCem FSC - Fast Set Concrete

CANADA BAY - PAVEMENT REPLACEMENT

bluey®

Canada Bay Council engaged Bluey Technologies and NA Group for pavement replacement works at the corner of First Ave and Ingham Ave, Canada Bay. The high traffic road is used by thousands of cars, trucks and pedestrians daily, so the Council looked for a fast, durable and long term solution to the declining area of road.

Project Completion: September 2018

Application

WHERE WE USED BLUCEM FSC

For these applications, councils and road authorities have previously used steel reinforcement and chloride-based products which often cause corrosion and rusting over time. BluCem FSC on the other hand can set overnight, maintain a 100-year design life and be tailored to the Australian environment. This was a key consideration for Canada Bay Council. Once complete, traffic returned to the new section of road in less than 5 hours.

WHY WE USED BLUCEM FSC

BluCem FSC uses a computer-controlled system that allows the operator to set the work-time and strength gain depending upon the current temperature at the time of the pour. Whether its 5 degrees or 35 degrees, our specialised contractors achieve the same result, every time. This was a major concern to the Council. Not only is BluCem FSC low-shrinkage (in accordance with relevant Australian Standards), it is also volumetric stable through the placing and compaction stage of the pour.

Features and Benefits

- Suitable for a range of mix designs and water ratios
- High early flexural and compressive strengths
- 100 year design life
- Negligible chloride content
- Engineered alkalinity
- Very low drying shrinkage

Summary

After the project's successful completion, the Hon Matt Kean, NSW Minister for Innovation and Better Regulation, said that "this type of industry initiative is enabling major infrastructure works to be realised in Sydney on time, on budget and with improved environmental outcomes."





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