

BluCem HE80

MI MOTORWAY - UNDERSLAB GROUTING

Beneath the MI Motorway, water infiltration had eroded the sub-base causing the road slabs to become unstable and vulnerable to cracking. Underslab grouting is fast becoming the preferred method to rehabilitate slabs, instead of removing and placing a new slab at the affected area.

Project Completion: June 2020

Application

WHERE WE USED BLUCEM HE80

North of Mardi, NSW, The RIX Group were contracted to provide a solution to the unstable motorway slabs. BluCem HE80 was selected by RIX to be pumped through the slab, effectively filling all voids. Over four weeks of night shifts, the team pumped two pallets of HE80 per night, using a drill rig to bore into the voided sub-base every two metres to systematically fill the voids.



WHY WE USED BLUCEM HE80

BluCem HE80 was specified by Transport for NSW due to its high fluidity, pumpability, +100 year durability and rapid strength gain. The use of the grout in this application allowed for adjacent lanes to stay open while the remediation works took place. The engineered grout not only consolidates the subbase, creating a structurally sound slab, it also ensures the surface slab remains in contact with the ground.



Features and Benefits

- 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
- Chloride free

Summary

As BluCem HE80 has been designed to be highly flowable to infiltrate joints and cracks in slabs, it was the ideal product to repair the MI Motorway slabs. The flowable grout offered the most effective solution and successfully rehabilitated the loose sub-base areas.





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