



Concrete Seal
WATERPROOFING & REMEDIAL
EST 1996



Surfers Paradise Marriott® Resort & Spa

Carpark: Basement Floor Remediation

The Project

Carpark: Basement Floor Remediation

Site: Surfers Paradise Marriott® Resort & Spa

The Building is a 5-star Luxury Hotel overlooking the Pacific Ocean to the East and 270° views of the Nerang river and Broadwater to the West. The basement floor sits below the water table and is exhibiting severe signs of concrete spalling.

The outcome sought by the client is to remediate the nominated severe areas, reinstating the floor surface to accept vehicular traffic while maintaining structural integrity.

The Scope

- Identify repair zones
- Remove loose and flaky concrete
- Excavate around surviving Reo Steel bars and check for corrosion
- Hold point for Engineer to evaluate structural integrity of steel and advise repair or replacement
- Clean, prepare and prime existing and newly installed steel
- Install Epoxy resin aggregate system to prepared area



Excavation Works



Existing slab area exhibiting severe spalling



Existing slab area exhibiting severe spalling



Excavation around steel reinforcing



Exposed steel reinforcement during excavation

Steel Treatment and Epoxy Resin System Installation



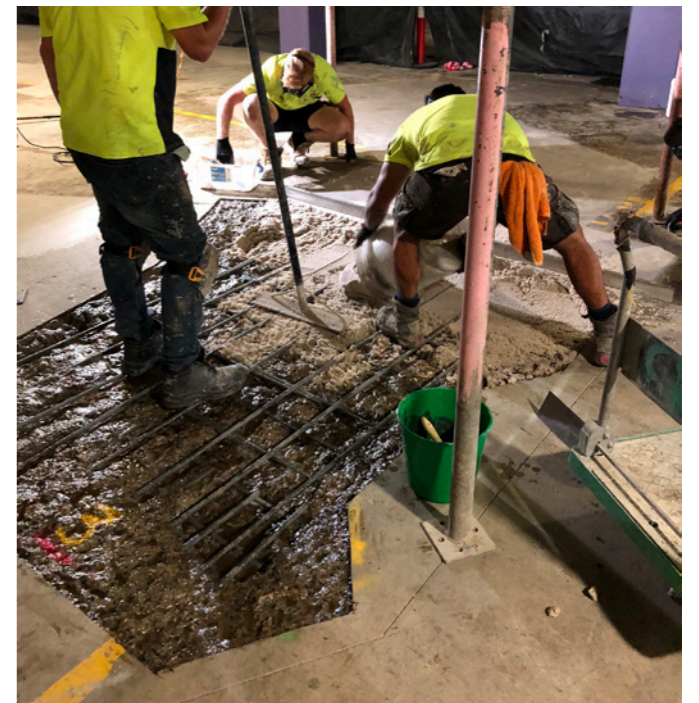
Excavated repair zone



Steel cleaned and primed



Epoxy resin/aggregate installation



Completed epoxy resin/aggregate installation





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Proud Member

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