

Concrete Cleaning and Restoration

Project: Cripps Building, St John's College

Duration: 8 Months



Gunite undertook cleaning and restoration trials of the Grade II* listed Cripps Building in 2008. Doff was identified as the most effective method for cleaning the concrete. Sample defects were broken out and repaired using Remmers Betofix RM repair material to within 15mm of the surface of the concrete. The final layer of the repair was formed from a pre-matched mortar mixed with a carefully selected range of crushed aggregate in the correct ratio to replicate the texture and appearance of the surrounding concrete. In December 2009, Gunite commenced the main contract works.

The requirement for en-suite bathrooms risked compromising the structural integrity. Carbon fibre plate bonding was proposed for strengthening around the new service holes. Gunite installed the carbon fibre plates using Sikadur 30 adhesive to bond them to the concrete.

Scope of Works:

- Carbon Fibre Plate Bonding
- Doff Cleaning
- Heritage Restoration
- Mastic Sealant
- Migratory Corrosion Inhibitor
- Protective Coatings
- Survey
- Sympathetic Concrete Repairs