



Project: Plymouth Guildhall

Client: Plymouth City Council

Concrete Repairs and Protective Coatings

Main Contractor: SWCR Ltd

Date: August 2008

The Problem

Severe spalling and cracking of the concrete caused by the expansion of corroding reinforcement bars within the concrete was causing serious concern for this historic monument. Numerous large cracks were identified which could cause large lumps of concrete to fall creating a major safety issue for anyone below.



Defective concrete around the steel reinforcement cut away ready for cleaning and treatment of the steel.



After steel treated first layers of repair mortar placed and 'scratched' ready for next layer.

The Solution

Works entailed: high pressure power washing of the concrete viewing chamber, the identification and full repair of defects including renewal of reinforcing bars, application of migrating corrosion inhibitor (MCI) and application of anti-carbonation coatings.

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