

Building Renovation

Museum of Bristol

SCOPE

- // Jet washing/Grit Blasting
- // Breaking out of all defective concrete
- // Application of levelling mortars
- // Application of Anti-Carbonation coatings
- // Resin Injection

DETAILS

- // Remedial concrete repairs and protective coatings to all concrete surfaces, including beams, columns, soffits and fascias
- // Joint within perimeter beam repaired by resin injection

Case Study //

Concrete Repair & Protection

Client | Museum of Bristol
 Role | Principal Contractor
 Consultant | HBG Construction Ltd



Faced with the task of the £25 million renovation of the Museum of Bristol made possible due to a £11.3 million Heritage Lottery Fund grant, HBG Construction Ltd appointed specialist contractors Cemplas Waterproofing and Concrete Repairs Limited to undertake in excess of £100,000 of remedial concrete repairs and protective coatings to all of the all concrete surfaces, including beams, columns, soffits and fascias.

As a long standing recommended specialist Sika applicator, Cemplas W&CR Ltd chose to undertake the project using a range of their repair products. Cemplas are delighted to have been involved in the initial phase, and look forward to being involved in the next phase of the Towns major redevelopment.

The scope of works involved Jet washing/Grit Blasting, breaking out of all defective concrete, applying levelling mortars, the application of Anti-Carbonation coatings, and Resin Injection. Following a full Investigation and removal of defective concrete, remedial repairs were undertaken using Sika Monotop 615 Repair Mortar and Sika Monotop 620 Levelling Mortar.

On completion of the remedial repairs, the concrete surfaces were coated with Sika's Elastocolor 675SW Flexible Anti-Carbonation Coating, and Sika Sikagard 550W Anti-Carbonation Coating

In addition to the extensive concrete repairs, the joint within the perimeter beam which had failed due to the corrosion of the encased beam was repaired by resin injection.

The landmark 1950s transit sheds at Princes Wharf, home of the former Industrial Museum, and the quayside is one of the last remaining complete 20th century docksides in the UK.

The sheds which are being fully and sympathetically renovated preserving their historic character will open on Harbourside in 2011 preserving a key part of Bristol's industrial dockside heritage, and will be an essential part of the regeneration of Bristol's Harbourside bringing the city's history to life, and Cemplas are delighted to have played a part in this Major renovation project.



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