

External Staircase Refurbishment

Serious Fraud Squad HQ

SCOPE

- // Concrete Repairs
- // Steel Works

DETAILS

- // Multi-storey staircas
- // Some hand placed repairs
- // Anti-carbonation
protective treatment
- // Replacement steel steps
and landings

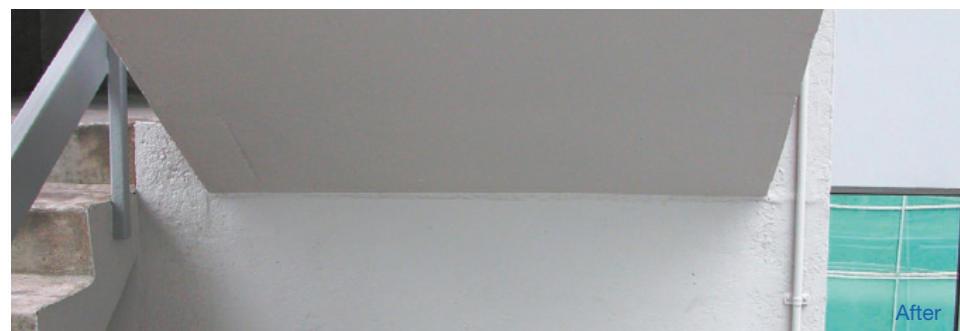


Case Study // Concrete Repair & Protection

Client | Bradbrook Consulting Engineers
 Role | Principal Contractor



Before



After

Due to Health and safety issues, major concrete repairs were required to the dilapidated in-situ concrete external staircase of this 1960s building which were found to have large areas of spalling concrete falling away, and steel landings which were heavily corroded and deemed unsafe.

Bradbrook Consulting Engineers were commissioned to provide the client with a condition report and specification, and the project was put out to competitive tender.

Having submitted a successful tender, Cemplas Waterproofing and Concrete Repairs Limited were appointed as the principle main contractor. Cemplas have both the capacity and resources to undertake projects in excess of £1,000,000, and have a management structure capable of running multi-disciplined projects incorporating a wide variety of trade activities as well as the ones they specialise and undertake themselves.

The nature of the work was highly sensitive due to the program of restricted time frames for noisy work, and Cemplas had to complete the extensive cutting out in just a few days.

Repair areas were identified and then treated including undertaking hand placed repairs; an overall levelling coat was applied followed by two coats of anti-

carbonation protective treatment. All works were undertaken using the Sika Monotop Repair System.

The areas of the staircase which were manufactured in steel, and identified by the Engineer as being corroded beyond repair, required Cemplas replacing a number of the steps, and welding into position new landings. All other areas of steel were shot blasted, then primed and coated using zinc rich protective coatings including the handrails from top to bottom, and any missing or damaged bolts were replaced.

Following completion of all remedial work, Cemplas marked out and created a safety route from the roof door to the top of the staircase to define a clear and precise route in the case of any emergency evacuation of the building.

Cemplas completed the work on schedule, and within budget. On completion the work undertaken by Cemplas was checked and signed off by the Consulting Engineers, and a 10-year workmanship certificate was issued by Cemplas.

To view the previous case studies of specialist works undertaken by Cemplas, please visit www.cemplas.co.uk



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