

CASE STUDY

Façade Concrete Repairs

MAKERS

...makes the difference

PROJECT

Queen Square House

STRUCTURE

12 Storey Concrete Block

CLIENT

University College London

CONTRACT



The University College London, Institute of Neurology, Queen Square House is 12 storeys high including the roof level plant room, with an additional basement level; all concrete framed.

Around the perimeter there are various forms of pre-cast concrete cladding panels; smooth formed finish, exposed aggregate finish and expressed timber board finish with signs of previous repair areas.

The north, east, south and west elevations all required concrete repairs, so safety was key and scaffolding and cradles were installed.

A hammer test was carried out and straight breakouts created to remove defective concrete. Cracks with embedded reinforcement were chased out to ensure that corrosion was not occurring. The defective concrete was broken back to a sound alkaline base. Corroding reinforcement was fully exposed to approximately 25 mm beyond its corroding length, and new reinforcement spliced in ensuring tie in.

All exposed reinforcement was cleaned, degreased and reinforcement primer applied before repairs took place. Once repair was complete a corrosion inhibitor was applied.

Repairs were installed using Fosroc Nitiprime Zincrich plus, Fosroc Renderoc AR / HAR bonding bridge and Fosroc Renderoc HB30.

All repairs were patch painted to blend back into the building.

T: 0845 899 4444

E: sales@makers.biz

W: www.makers.biz

Makers, Office Building 4,
Shenstone Business Park
Lynn Lane, Shenstone, WS14 0SB

Registered in England No: 6348341 Registered Office as above.



Before



After

