

## Case study

### Ronacrete concrete repair products used in restoration of Hatfield health clinic

RonaBond HB40 and RonaBond Crack Bridging Anti-Carbonation Coating WB have been used in an NHS refurbishment project of a Hatfield health clinic costing just under £1million. Working for main contracting firm Newland Construction Ronacrete Approved Contractor Apolodor carried out concrete repair and restoration work to the 1960s building which housed Queensway Health Clinic.



The project was a complete remodelling and refurbishment to meet the requirements of modern clinical standards, providing better facilities and easier access for patients and staff. Changes included a layout change to create easier access, new hospital-grade flooring and versatile multi-purpose treatment rooms. Improvements have also been made to the building's energy efficiency with the introduction of solar panels, double glazing, insulation and a modern heating system.



Products from the Ronacrete Concrete Repair & Coatings range were used to carry out repairs and provide protection to stairways and roof areas.

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Sections of the roof slab were repaired where corrosion of reinforcement had caused spalling of the concrete. Apolodor broke out the damaged concrete, treated the exposed steel with **Ronacrete Standard Primer** and then re-primed the steel and primed the concrete before repairing with **RonaBond HB40**. The same treatment was applied to concrete surrounding the downpipes.



Apolodor used the same repair technique on the staircase using **RonaBond HB40**, the underside of the staircase was then jet washed before the application of white **RonaBond Crack Bridging Anti-Carbonation Coating WB**.

**RonaBond HB40** is a pre-packed high build polymer modified concrete repair mortar. It is used to repair concrete on vertical surfaces and soffits. It is typically applied in layers up to 50mm thick on walls on walls and 30mm thick on soffits.

**RonaBond Crack Bridging Anti-Carbonation Coating WB** is a high build elastomeric, waterproof and carbonation-resistant façade coating based on water borne acrylsiloxane. It protects facades against water ingress while allowing diffusion of normal levels of background moisture vapour. It provides excellent protection against corrosion of the steel reinforcement when applied to reinforced concrete. The siloxane component improves dirt shedding properties and protects against leaching of contamination through the coating.

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