

Overhead repairs to spalled balconies

ID: 9939

Industry: Local Authorities & Municipalities

Customer Location: Retford

Application: WPA-Wall Problem Areas

Application Date: June 2024

Substrate: Concrete

Products: Belzona 4141 (Magma-Build), Belzona 4911 (Magma TX Conditioner), Belzona 9411 (Release Agent)

Problem

A number of balconies had started to spall and were listed as dangerous, needing urgent attention



Badly spalled concrete to under-ledge of balcony



Work in progress



18 months on, the repairs are still in perfect condition



A further angle, showing 1 of 20 successful concrete repairs, some 18 months later

Application Situation

The concrete on the balconies had started to spall and was falling from height. As a trusted supplier to the local authority, Belzona were asked to supply materials and suggest a reliable contractor to carry out the repair works. The local Belzona Engineer compiled the spec and organised the contractor, giving the authority every confidence in a job well done

Application Method

Break off any loose and friable faulty, spalled concrete

Wire brush all exposed repair back to clean steel

Mix and apply Belzona 4911 to the target areas with a short bristled brush

Mix and apply Belzona 4141 to target areas using a board, coated with Belzona 9411 release agent, as a straight edge

Compress and smooth using a finishing trowel

Belzona Facts

Other products had been used in other areas for the same authority and they had noticed that the repairs were repeated many times, which was an unacceptable cost due to mobilizing contractors more times than needed.

Belzona was employed as the repair material and no further action has been necessary

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