

BELZONA REPAIRS AND PROTECTS MULTIPLE BALCONIES ON LARGE HOUSING SITE

ID: 7540



PROBLEM

The existing coating on all the concrete balconies was flaking off and in many areas the concrete was broken and cracked where moisture has rusted the steel reinforcing bars inside the concrete structure. The concrete base of the balconies was a slip hazard when wet.

APPLICATION SITUATION

A large housing estate in Leicester with 7 x multi-storey blocks of flats with balconies

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona System Leaflet FPA-1 and FPA-8. All broken and damaged areas of concrete were repaired with Belzona 4141. The balcony walls and underneath surfaces were coated with Belzona 5151. A non-slip surface was created on the balcony floors with Belzona 5811 blinded out with aggregate.

BELZONA FACTS

These balconies had not been repaired or maintained for many years and so looked very unsightly with safety issues of loose concrete potentially falling onto residents. In 2016 the Local Authority decided to restore the first block of flats (38 x balconies), specifying Belzona materials for the job. The Local Authority was so pleased with the final result that in August 2017 they sent out a new tender specifying the same Belzona products to repair and coat another 192 balconies + 18 walkways on 5 more blocks of flats on this same site.

INDUSTRY

LOCATION

Local Authority (Council), UK

APPLICATION DATE

April -July 2017

PRODUCTS

Belzona 4141 (Magma Build)
Belzona 5151 (High Build Cladding)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Concrete

PHOTOS

- 1.The block of Flats
2. Damaged Balconies
- 3.Typical problem on a balcony with current coating coming off and damaged concrete exposed
- 4.Balconies after the Belzona repairs and coating has been completed

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