

# Balconies and stairwells Improvements

ID: 9635

Industry: Buildings & Structures

Customer Location: Nottingham

Application: FPA-Floor Problem Areas

Application Date: October 2024

Substrate: Other

Products: Belzona 3131 (WG Membrane), Belzona 3921 (GSC Surface Conditioner), Belzona 3931 (WG Membrane Conditioner), Belzona 4131 (Magma-Screed), Belzona 4141 (Magma-Build), Belzona 4411 (Granogrip), Belzona 4911 (Magma TX Conditioner), Belzona 5122 (Clear Cladding Concentrate), Belzona 5231 (SG Laminate), Belzona 9231 (Surefoot Aggregate)

## Problem

Multiple issues needed to be addressed in this large project where 2 groups of 5 flats had issues with spalling concrete to stairwells, unsafe, broken and slippery concrete stairs, spalling concrete in the stairwells and leaking bitumen on the balconies above. The stairwell brickwork also required sealing



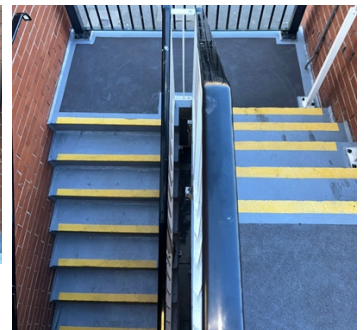
Bitumen Balconies letting in water to structures below



Stairwells showing severe spalling with possibility of falling concrete



Balconies fully coated with the addition of Belzona Surefoot aggregate



Stairwells repaired, a low slip coating added with Belzona Granogrip step edgings and all brickwork sealed with Belzona 5122 clear cladding

## Application Situation

As Belzona have a wide variety of solutions for Buildings and Structures, the client was pleased to be able to come to Belzona with a "wishlist" of what they wanted to have done and be supplied by 1 company who manufactures everything from base product. Multiple companies were not needed. Also, The Belzona Senior Sales Engineer had strong relationships with various contractors and he was asked by the client to arrange prices from these experienced contractors, one of which would be instructed to carry out the works

## Application Method

All the steps and landings were flaunching to prevent any termination edges with the Belzona coatings.

All the spalling areas were hammer tested, cleaned and repaired using Belzona 4141 and Belzona 4131

Access was enabled to the flats using boards and a system where half the balconies were coated with the Belzona 3131 at a time, including the total blinding of Belzona 9231 Surefoot aggregate

The concrete stairs were prepared and coated with Belzona 5231, prior to the nose edging being coated with Belzona Granogrip in

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Safety Yellow

Finally all the walls in the stairwells were coated with Belzona 5122 Clear cladding to assure a water tight finish and protect the brickwork

## Belzona Facts

Belzona proved to be a one-stop-shop, including finding a suitable Contractor. The products and services were all sourced by the Senior Sales Engineer who oversaw the project and ensured the Contractor, Main Contractor and Client were supported throughout the 5 week contract

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