

## BELZONA REPAIRS SPALLED CONCRETE

### CUSTOMER

Community College, Newcastle

### APPLICATION DATE

1980

### APPLICATION SITUATION

Local authority housing stock with concrete cantilever balcony construction and steel handrails.

### PROBLEM

Concrete balcony had suffered from spalling due to the detrimental effects of the environment and concrete cover below the minimum for protection of the reinforcing bar.

### PRODUCTS

Belzona® 4111 (Magma Quartz)

### SUBSTRATE

Reinforced Concrete

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet RPA-2. Lightweight Belzona® 4141 system would now be specified as it requires no permanent shutter/formwork. This would have made the job even easier to carry out.

### BELZONA FACTS

The initial application was quick and eliminated any potential safety risk due to unsafe concrete falling from the two storey building. Twenty seven years later, Belzona revisited the application to find that it was still in excellent condition with no signs of further spalling, carbonation, shrinkage or cracking.

### PICTURES

1. Community College in 1980
2. Spalled Concrete
3. Community College in 2007
4. Application revisited



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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