Know-Howin Action

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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

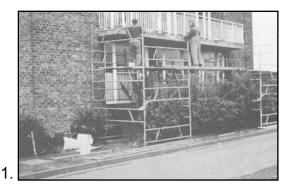
Application was carried out in accordance with Belzona Know-How System Leaflet RPA-2. Lightweight Belzona® 4141 system would now be specified as it requires no permanent shutter/formwork. This would have made the job even easier to carry out.

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









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