Know-How*in Action*

Vol.XXXI No.144

CURING CONCRETE CANCER WITH BELZONA

CUSTOMER
Apartment Complex, Gold Coast, Australia

APPLICATION DATE
May 2014

APPLICATION SITUATION
Concrete balcony at a residential apartment complex

PROBLEM
The original concrete was starting to degrade due to a combination of its prominent coastal location and incorrect positioning of the steel reinforcement during original construction. Carbonation had taken place causing corrosion of the reinforcement steel leading to concrete spalling.

PRODUCTS
Belzona 4111 (Magma Quartz)

SUBSTRATE
Concrete

APPLICATION METHOD
Application was carried out in accordance with Belzona System leaflet WPA-4. All areas of damaged concrete were removed back to a sound substrate after which the exposed reinforcement bars were also cleaned back to bright metal. The entire area was then coated with Belzona 4911 (TX Conditioner) before the area was rebuilt with Belzona 4111. Some temporary shuttering to help support the repair whilst it cured was installed. once cured, the shuttering was removed and the area painted to leave a pleasing aesthetic finish.

BELZONA FACTS
Belzona 4111 was chosen for its superior properties over conventional repair methods. Being a fast curing, non shrinking and impermeable layer that allows for a quick easy repair that also prevents a recurrence of the initial problem.

PICTURES
1. Close up of the damaged balcony
2. Preparation underway
3. Application completed with temporary shuttering in place
4. The restored balcony

1.

2.

3.

4.

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

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