

Majestic Apartment Building, Australia

Country: Australia

Project Timescale: Oct 2010 - Nov 2010

Structure: Steel Frame Apartment Building in Melbourne

CPT Treatment Applied:

DuoGuard™ Galvanic Anode System

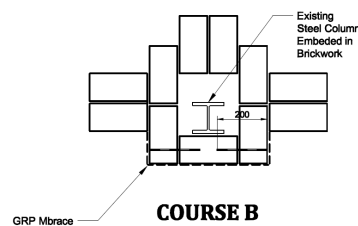
CPT Products used

- DuoGuard™ Range of Anodes
- DuoCrete SD Mortar
- MN15 Reference Electrode



The Majestic apartment building has a street façade circa 1939 being constructed of steel columns and beams enclosed in brick. The building was exhibiting cracking of the street facing bricks which were in danger of falling. Investigation of the enclosed steel beams revealed expansive corrosion products which had led to pressure being exerted on the facing bricks and subsequent cracking. As a precaution against falling masonry, the contractor had already had to install stainless steel pins to hold the brickwork.

The client wanted a long-term corrosion protection solution for the building and a DuoGuard Hybrid anode system was installed. The anodes were located from the front into the mortar infill around the steel beams. Reference probes were installed to monitor the performance of the corrosion protection system. The steel corrosion was stopped and the Hybrid anode system left in galvanic mode to continue to offer protection over the long term. The system can be re-accessed at any point in the future.



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