

Majestic Apartment Building

Australia



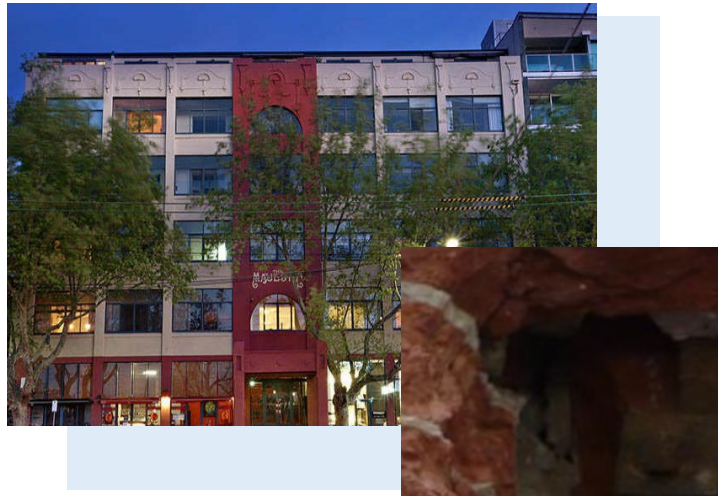
Country: Australia

Timescale: Oct— Nov 2010

Structure: Steel Frame Apartment
Building in Melbourne

CPT Treatment used:

DuoGuard™ Hybrid Anode System™



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.

Problem

Investigation revealed expansive corrosion products which had led to pressure being exerted on the facing bricks and subsequent cracking.

Solution Developed

The 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.

Benefits

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. This system provides the client with a long-term corrosion protection solution for the building.



DuoGuard Anodes



Ref. Electrode

CPT Products Used:

- ◆ DuoGuard™ Range
- ◆ DuoCrete SD Mortar
- ◆ MN15 Ref. electrodes

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