

Level 1 rating for custom Cherry Red after 5 years

CityLink Red Sticks
Melbourne, VIC

Project partners

Asset owner: Transurban

Applicator: Mattioli Bros

Challenge

Red paint is notorious for fading, especially under UV exposure. Originally fabricated in 1999, the Red Sticks had been repainted in the mid 2000s. Within a few years, the non-Dulux coatings had faded again.

Transurban approached Dulux Protective Coatings for a new system to extend the maintenance cycle. Due to the complexity of painting the angled columns from cherry pickers and the unacceptable risk of over spraying onto traffic, a brush and roller system was required.

Coatings solutions

With vast experience designing coatings to counter Australia's severe UV environment, our Research and Development team developed a dedicated factory formulation of Dulux® Weathermax® HBR. While bright red typically requires multiple coats, our custom coating achieved a more lasting, high opacity red in a single topcoat.

Spot Primer: Dulux® Zincanode® 402 applied after rust removal.

First coat: Dulux® Durebild® STE at 80 microns (µm).

Topcoat: Dulux® Weathermax® HBR in CityLink Cherry Red. Applied at 80 microns (µm)

Coating rating after 5 years

Level 1*

Results

The assessment found the CityLink Red Sticks were in good condition. The custom Cherry Red colour was intact and the coatings were upholding their integrity.

Using the Delta E scale of 0 to 100, the change in colour was measured at a maximum of 2.5 on the UV-exposed north and west faces.

The customised topcoat significantly improved weathering performance compared to the original coating system.

* Coating Inspection 5-Level Rating System

Coatings are inspected to determine the degree of deterioration. Ratings indicate the following condition status:

- No film damage other than dirt and minor staining
- Soiled, stained, ingrained dirt, chalking or loss of gloss
- Minor film damage (cracking, flaking or erosion of topcoats) in small areas
- Minor corrosion where up to 0.5% of the base metal is showing signs of rusting
- Widespread and excessive corrosion and damage

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Sticks, VIC

Coating
inspection