

Sustained protection of structural steel after three years

Tobruk Memorial Baths
Townsville Queensland

Project partners

Asset Owner: Townsville City Council
Client: Tobruk Memorial Baths
Fabricator: Jackson Semler Pty Ltd
Applicator: Waters Abrasive Blasting Services
Shade Sails: Shade and Membrane Structures Australia

Challenge

Situated in Townsville's highly corrosive coastal environment with permanent exposure to high levels of chlorine and UV radiation, the steel frame of the shade sails covering the swimming pools of Tobruk Memorial Baths needed lasting protection.

Coatings solutions

The corrosion protection of Zincode 402 and Duremax GPE MIO, combined with the lasting colour and gloss delivered by Weathermax HBR has ensured the steel framework of the shade sails continues to look great, with the coating providing excellent protection for the substrate, more than 3 years on.

- First coat: Dulux® Zincode® 402 @ 75-microns (µm)
- Second coat: Dulux® Duremax® GPE MIO @ 200-microns (µm)
- Third coat: Dulux® Weathermax® HBR @ 100-microns (µm)

Coating rating after 3 years

Level 1*

Results

After 3 years, a full visual inspection of the structural steel showed the coating system to be in excellent condition.

There were no signs of corrosion, film degradation or damage.

* 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

Tobruk Memorial Baths
QLD

Coating
inspection