

# Rejuvenating Rating 1 after 4 Years for Ocean Bath Maintenance Cycle

Merewether Ocean Baths  
Newcastle, NSW

## Project partners

**Asset owner:** The City of Newcastle

**Applicator:** The City of Newcastle

## Challenge

Merewether Oceans Baths incurred high maintenance costs due to algae growth on the porous concrete interior surfaces, which required the pools to be emptied fortnightly. The concrete is water-blasted to remove the algae then a biocide is sprayed on to inhibit repeat growth. The pools would then be re-filled before the costly exercise was repeated a fortnight later.

The asset owners were seeking a coatings system to reduce costs by extending the time between maintenance cycles.

## Coatings solutions

Two coats of Dulux® Durebild® STE @ 125-microns (µm) in White built a highly durable protective coating with a bright finish, inhibiting algae growth, and extending the time between maintenance.

Durebild® STE is a high performance surface tolerant maintenance coating. It is ideal for immersion in saltwater, and is compliant for use in potable water as per AS/NZS 4020:2018.

## Coating rating after 4 years

Level 1\*

## Results

After four years, a visual inspection of the Merewether Ocean Baths concrete surfaces showed the coatings system to be performing as expected. The finish is in excellent condition and continuing to successfully inhibit algae growth, thereby extending the time between maintenance and reducing costs for the asset owners.

### \* 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

Merewether Ocean Baths  
NSW



Coating  
inspection