

Client: <i>Freshwater Lagoon Owner</i>	Industry: <i>Industrial</i>
Scope: <i>Underwater Refurbishment</i>	Date: <i>2019</i>
Location: <i>South Africa</i>	Product: <i>RA 500UW-LV</i>

Overview

The large freshwater lagoon (c.40,000m²) in South Africa required to be refurbished with a coating solution that would provide long-term corrosion protection.

Challenge

It was decided that the greatest time and cost efficiencies would be achieved by carrying out the coating application without removing the water from the lagoon.

As a result, the chosen coating solution had to be applied underwater whilst ensuring the required adhesion, corrosion protection and without contaminating the water in any way.

Solution

Chemco's **Diver-cote™ RA 500UW-LV** was identified as the only viable coating solution on the market which could fulfil the application.

The underwater surface was prepared using a combination of water jetting and mechanical tooling which removed all prior coating/algae and created a suitable surface profile.

RA 500UW-LV was then applied to a thickness of 400µm using both brushing and power brushing.

Outcome

The **solvent-free, wet tolerant** properties of the Chemco system allowed the coating application to be completed quickly and efficiently, with the lagoon returning to full service within the given timeframe.

Benefits

- **Solvent-free**
- **Wet tolerant**
- Glassflake-reinforced for exceptional abrasion resistance
- Eco-friendly application with little dispersion in water
- Excellent adhesion to minimal surface preparation
- Excellent abrasion and erosion resistance
- Long-term, maintenance free performance
- No recoating limitations

Continued overleaf

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Photographs:

- No. 1 Original Conditions
- No. 2 Applying **RA 500UW-LV** underwater

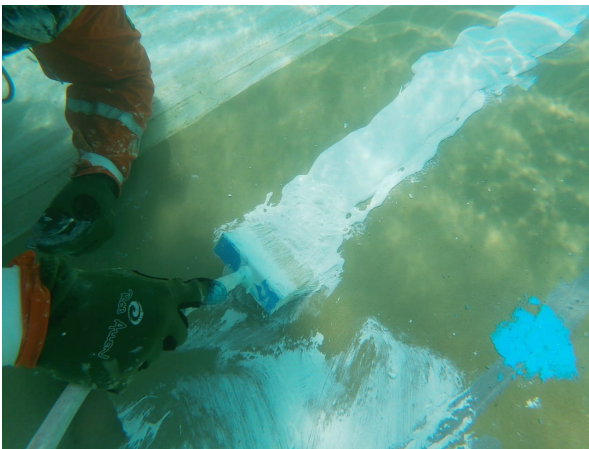
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Photographs:

- No. 3 Original Conditions
- Nos. 4-7 Applying RA 500UW-LV underwater
- No. 8 External View of Lagoon

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