

# Case Study



<b>Client:</b> <i>Royal Caribbean Cruise Lines</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>Voyager of the Seas</i>	<b>Date:</b> <i>November 2014</i>
<b>Location:</b> <i>Singapore</i>	<b>Products:</b> <i>Epo-chem™ RS 500P &amp; RA 500M</i>

## Overview

Chemco Singapore were asked to replace the existing coating systems in the swimming pools and Jacuzzis as they were suffering from corrosion and paint breakdown. It was successfully proposed to the client to utilise **Chemco's** revolutionary **solvent-free, wet & rust tolerant** technology as this system had been previously applied in the Voyager of the Seas sister ship, Navigator of the Seas, with outstanding results.

## Challenge

Grit blasting and high pressure washing were not permitted due to other major refurbishment work being carried out by other contractors and the ship's crew in the vicinity. The client also demanded a system that offered a long-term solution which would not require regular maintenance and closure of the swimming pools.

## Solution

The surfaces were prepared by mechanical preparation to St2-St3 standards. One stripe coat and one primer coat of **solvent-free, wet & rust tolerant** epoxy **Epo-chem™ RS 500P** was then applied, followed by two topcoats of **solvent-free, wet tolerant** epoxy **Epo-chem™ RA 500M**.

## Outcome

The project was completed on time, within budget and with no disruption to other contractors and the ship's crew working nearby.

## Benefits

- Solvent-free
- No grit blasting/water blasting
- Significantly reduced contract duration
- Reduced H&S and Fire Precaution
- No humidity or dew point restrictions
- Reduced cost of plant and equipment
- No disruption to other contractors working nearby

Continued overleaf

1



2



### Photographs

- No. 1 Stripe coating
- No. 2 Applying primer

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4



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6



7



Photographs

- No. 3 Applying primer
- No. 4 Primer complete
- Nos. 5 - 7 Completed application

- Solvent-free • Water-based • Wet-tolerant
- Rust-tolerant • Zero VOC
- Tank & Pipe Linings • Under-water & Marine • Glassflake
- Rust Converters & Primers • Ceramic & Metal Repair • Anti-static, Conductive & Anti-slip Flooring
- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
- Concrete Repair Systems • Elastomeric System
- High Temperature Systems • Fire Retardant • Insulation Systems

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