

Client: <i>Royal Caribbean Cruise Lines</i>	Industry: <i>Marine</i>
Vessel: <i>Navigator of the Seas</i>	Date: <i>February 2014</i>
Location: <i>Bermuda</i>	Products: <i>Epo-chem™ RS 500P & RA 500M</i>

Overview

The swimming pools on-board Royal Caribbean's Navigator of the Seas cruise vessel had to be refurbished as the existing tile system required regular maintenance and this was causing major problems.

Challenge

Removing the existing tiles and concrete backing to expose the steel. Utilising an alternative surface preparation method to grit blasting, which could not be considered due to problems of excessive dust contamination to the surrounding areas. The client was looking for a system offering a long-term solution which did not require regular maintenance. Working within a strict time-frame also added to the difficulty of this project.

Solution

Both mechanical preparation and water jetting were utilised as the surface preparation methods to St2 and WJ-3 standards respectively. **Chemco's solvent-free, wet & rust tolerant primer Epo-chem™ RS 500P** was applied followed by two coats of **solvent-free, wet tolerant Epo-chem™ RA 500M**.

Outcome

The project was completed in 20 days, much quicker than the given time-frame. The quality of the smooth, high gloss finish and the speed of the contract were to the satisfaction of all concerned. The surface preparation method utilised and the unique **solvent-free** properties of the **Chemco** system also allowed other work to continue nearby without disruption.

Benefits

- Solvent-free
- No grit blasting
- Reduced down-time and equipment cost
- **Wet & rust tolerant** properties of the **Chemco** system
- H&S compliant
- No disruption to other work
- **Chemco** system offers a long-term and easily repairable solution

Continued overleaf

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Photographs

- Nos. 1 and 2 After surface preparation
- No. 3 Topcoat being applied on top of primer

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Photographs

- Nos. 4 and 5 First topcoat being applied
- No. 6 First topcoat complete
- Nos. 7 - 9 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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