

Client: <i>P&O (Carnival)</i>	Industry: <i>Marine</i>
Scope: <i>Balcony Refurbishment</i>	Date: <i>September 2013</i>
Location: <i>Bremerhaven, Germany</i>	Products: <i>Epo-chem™ RS 500P & RC 500GTC</i>

Overview

The balconies onboard a cruise vessel were suffering from breakdown due to saltwater contamination attacking the present epoxy system and required to be completely refurbished.

Challenge

A coating system capable of withstanding saltwater contamination was required. Abrasive blasting and water jetting were not permissible. The balconies also had to be coated with a system exhibiting exceptional UV resistance, colour retention and a high gloss finish.

Solution

Mechanical methods (St 2 standards) were chosen as the surface preparation method due to abrasive blasting and water jetting not being permissible. This removed the surface rust giving a clean substrate for application of the Chemco priming system. **Epo-chem™ RS 500P**, a multi-purpose, **solvent-free, wet & rust tolerant** epoxy primer was first applied. This is followed by one topcoat of epoxy/acrylic **Epo-chem™ RC 500GTC**.

Outcome

The client was very happy with the number of balconies coated during the docking period and as a result, further vessels in their fleet will now be coated with the same system. Utilising mechanical preparation significantly reduced the duration of this project as grit blasting did not need to be used. As a result, the H&S issues were also minimised.

Benefits

- No grit blasting
- Reduced H&S and Fire Precautions
- High gloss finish
- Exceptional UV resistance and colour retention
- No overcoating limitations

Continued overleaf

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Photographs

- Nos. 1 and 2 Before application
- No. 3 Stripe coating

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9



Photographs

- No. 4 Stripe coating
- Nos. 5 - 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
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