

Client: <i>Sea Tank Chartering AS.</i>	Industry: <i>Marine</i>
Vessel: <i>MT Key Bora</i>	Date: <i>April 2016</i>
Location: <i>Poland</i>	Products: <i>RE 500P & RW 500</i>

Overview

The chemical cargo tanks onboard the MT Key Bora chemical tanker were suffering from severe corrosion damage and had to be refurbished.

Challenge

The client required a new coating system with the capability of handling extremely aggressive chemicals operating at high temperatures. There was also a short time frame for project completion due to the quantity of tanks required to be refurbished during the dry-docking programme.

Solution

For areas where a full refurbishment was required, the cargo tanks were grit blasted to Sa 2½ standard. Furthermore, areas which required to be spot repaired were mechanically prepared to St 3 standard. This was followed by one primer coat of **solvent-free**, Novolac epoxy **Epo-chem™ RE 500P**. To complete the coating system, one stripe coat and two topcoats of **solvent-free**, glassflake Novolac epoxy **Epo-chem™ RW 500** was applied.

Outcome

The project was successfully completed within the given time frame. The fast post curing of the **Chemco** system was considered a major time and cost saving advantage.

Benefits

- Solvent-free
- No grit blasting requirements for spot repair work
- Excellent chemical and high temperature resistance
- Reduced contract duration and downtime
- Ease of decontamination (no cargo contamination)

Continued overleaf

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Photographs:

- Nos. 1-2 Original Conditions
- No. 3 After Grit Blasting

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Photographs:

- No. 4 After Mechanical Preparation
- No. 5 Primer Spot Applied
- Nos. 6-7 Applying Topcoat on Primed Surface
- Nos. 8-9 Completed Application

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