

# Case Study



<b>Client:</b> <i>Sea Tank Chartering AS.</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>MT Key Bora</i>	<b>Date:</b> <i>April 2016</i>
<b>Location:</b> <i>Poland</i>	<b>Products:</b> <i>RE 500P &amp; 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 and 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 and 7 Applying topcoat on primed surface
- Nos. 8 and 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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