

# Case Study



<b>Client:</b> <i>Brøvigtank AS</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>MT Key Fjord</i>	<b>Date:</b> <i>April 2014</i>
<b>Location:</b> <i>Gdynia, Poland</i>	<b>Products:</b> <i>Chem-tect™ RB 364 &amp; RB 300TC</i>

## Overview

The tank tops found inside four cargo tanks (3 Port, 4 Port, 4 Starboard & 6 Port), onboard Brøvigtank AS's MT Key Fjord, required a full refurbishment as they were showing signs of severe corrosion damage.

## Challenge

Replacing the original failed coating with a new protective coating system capable of handling highly aggressive chemicals at high temperatures. Working within a strict time frame also added to the difficulty of this project.

## Solution

The tank tops and the bulkheads (up to 0.5m high) were grit blasted to Sa 2.5 standards. Prior to the coating application, the surfaces were swept and vacuumed to remove any dust and other contamination.

The coating specification was as follows:

- Two coats of **Chem-tect™ RB 364** @ 500µ DFT per coat by airless spray.
- One stripe coat of **Chem-tect™ RB 364** by brush.
- One topcoat of **Chem-tect™ RB 300TC** @ 100µ DFT by airless spray.

## Outcome

The work was carried out within the given time frame, with no delays and was supervised by **Chemco's** technical staff. All cargo tanks were completed to class standard and certified accordingly to the satisfaction of all concerned.

## Benefits

- Excellent resistance to highly aggressive chemicals at high temperatures
- Fast curing allows quicker over-coating and quicker back-in-service times
- Reduced downtime
- Reduced H&S and Fire Precaution

Continued overleaf

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### Photographs:

- Nos. 1 and 2 Original condition
- No. 3 After first coat of **Chem-tect™ RB 364**

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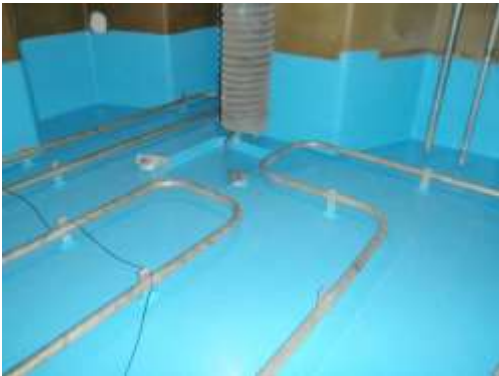
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Photographs:

- No. 4 After first coat of **Chem-tect™ RB 364**
- No. 5 After second coat of **Chem-tect™ RB 364**
- Nos. 6 - 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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