

CASE STUDY:

# MARINE

**M45 – Chemical Tank Refurbishment  
– Chemical Tanker (Vinylester)**





# M45 - Chemical Tank Refurbishment - Chemical Tanker (Vinylester)



## Client

Tanker Chartering Company

## Scope

Chemical Tank Refurbishment

## Location

Poland

## Industry

Marine

## Date

2016

## Products

RB 300 Series

## Overview

The original coating located in the chemical cargo tanks onboard the chemical tanker had failed.

The tanks were therefore suffering from severe corrosion damage and had to be refurbished.

## Challenge

The existing failed coating had to be completely removed.

Traditional phenolic epoxies would not have the necessary chemical and high temperature resistance required to handle this vessel's cargo.

Therefore, the new coating system had to have protection from the full pH range.

## Solution

The cargo tanks were grit blasted to Sa 2½ standard.

This was followed by one stripe coat and two full coats of RB 300.

To complete the coating system, one topcoat of RB 300TC was applied.

## Outcome

The Chemco system ensures that these tanks will be protected against the full pH range.

The fast curing of this system also allows for faster application and quick return to service.

All the chemical cargo tanks were completed to class standard and certified accordingly.

## Benefits

- Exceptional chemical and high temperature resistance
- Significantly reduced downtime
- Full pH protection (1 - 14)
- Fast curing; allows quicker over-coating and quick back-in-service times



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Original Conditions



Completed Application



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After Applying RB 300



Completed Application

