

<b>Client:</b> <i>d'Amico</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>Bulk Carrier</i>	<b>Date:</b> <i>2011</i>
<b>Location:</b> <i>UAE</i>	<b>Products:</b> <i>Epo-chem™ RS 500P &amp; RA 500M</i>

## Overview

The topside tanks onboard the Bulk Carrier had previously been coated with coal-tar epoxy. Areas within these tanks were showing signs of corrosion damage and required to be patch repaired.

## Challenge

Finding a coating system which was compatible with coal-tar epoxies. Also, due to equipment and supply restrictions, abrasive blasting or hydro blasting could not be used to conduct surface preparation.

## Solution

Mechanical power tooling was utilised as the surface preparation method to remove all the loose rust and existing damaged coating. This was followed by a fresh water wash. One coat of **solvent-free, wet & rust tolerant epoxy Epo-chem™ RS 500P**. This was followed by one topcoat of **solvent-free, wet tolerant epoxy Epo-chem™ RA 500M**.

## Outcome

The unique characteristics of **Epo-chem™ RS 500P** allowed the system to be applied with no compatibility issues and with strong adhesion to the coal-tar epoxy.

## Benefits

- Solvent-free
- No grit blasting
- No dehumidification required
- No disruption to others working nearby (including hot work)
- Reduced H&S and Fire Precaution
- Reduced contract duration
- Compatibility with coal-tar epoxy
- Work carried out by riding crew

Continued overleaf

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### Photographs

- Nos. 1-2 Before Application

\*This Project was carried out by  
Charisma Ship Maintenance LLC, Dubai

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[Photographs](#)

- Nos. 3-7 Completed Application

East Shawhead Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom  
Tel: +44 (0) 1236 606060  
Fax: +44 (0) 1236 606070  
Email: [sales@chemcoint.com](mailto:sales@chemcoint.com)  
Web Site: [www.chemcoint.com](http://www.chemcoint.com)