

Client: <i>d'Amico</i>	Industry: <i>Marine</i>
Vessel: <i>Medi Tokyo</i>	Date: <i>2011</i>
Location: <i>UAE</i>	Products: <i>Epo-chem™ RS 500P & RA 500M</i>

Overview

The topside tanks onboard the Medi Tokyo 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 and 2 Before application

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

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Photographs

- Nos. 3 - 7 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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