

Client: <i>Talisman Malaysia</i>	Industry: <i>Marine</i>
Vessel: <i>MISC Bhd.</i>	Date: <i>January 2008</i>
Location: <i>Malaysia</i>	Products: <i>Epo-chem™ RA 500M & RS 500P</i>

Overview

The MISC FPSO required her ballast tanks to be coated in order to achieve class certification. However, the vessel was in constant use and the owners required a solution which did not require dry-grit blasting or involve solvent-based paints due to the risk of explosion and fire. Furthermore, the requirement for a large number of equipment, e.g compressor, dehumidifier etc., would make the contract impractical and expensive. Chemco was approached as the only company that could match the customer's requirements.

Challenge

Preparation of the tanks at sea with high pressure washing and coatings to be carried out in high humidity and on rusty steel. Application of **solvent-free** coatings capable of application on poorly prepared substrate, some without any profile and with mill scale; and still achieve class certification whilst the vessel is in full production/operation.

Solution

High pressure-wash (800 bar) to remove loose rust and loose mill scale. First/Primer coat and stripe coat was carried out with **Epo-chem™ RS 500P solvent-free, wet & rust tolerant** system @ 100µ DFT followed by the topcoat with **Epo-chem™ RA 500M solvent-free, wet tolerant** system @ 250µ DFT.

Outcome

The work was successfully supervised by Chemco **Speciality Coatings (SEA), Chemco's** subsidiary in Singapore. Class certification was achieved with zero downtime.

Benefits

Chemco was the only company which could provide the solution and did so in a cost-effective manner. The client gained class certification with no loss of production. They were also delighted to receive **Chemco's** comprehensive guarantee.

Continued overleaf

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Photographs

- No. 1 Talisman on station
- Nos. 2 and 3 Surfaces ready for coating
- Nos. 4 and 5 Stripe coating with RS 500P
- No. 6 Full coat RS 500P
- No. 7 RA 500M being applied on wet surface
- No. 8 Completed RA 500M topcoat

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- 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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