

<b>Client:</b> <i>Talisman Malaysia</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>MISC Bhd.</i>	<b>Date:</b> <i>January 2008</i>
<b>Location:</b> <i>Malaysia</i>	<b>Products:</b> <i>Epo-chem™ RA 500M &amp; 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. 2-3 Surfaces ready for coating

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#### Photographs

- Nos. 4-5 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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