

Client: <i>Rix Shipping</i>	Industry: <i>Marine</i>
Vessel: <i>Oil Products Tanker</i>	Date: <i>2012</i>
Location: <i>UK</i>	Products: <i>Epo-chem™ RS 500P & RA 500M</i>

Overview

This Oil Products Tanker New Build, required to have the double skin ballast tanks (over 5,000m²) coated with an **IMO PSPC** approved product. The owners decided that they required a solution which did not require grit blasting or solvent-based paints as the work had to be carried out in confined spaces. Traditionally, shop primers need to be completely removed prior to the application of a coating system. The vessel was visited by its owners and **Lloyds** as this was the **first New Build in the UK that was coated under the new IMO PSPC regulations**.

Challenge

To find a coating system which could be applied without the removal of the shop primer and without grit blasting. Working in very tight, confined spaces also added to the difficulty of this project.

Solution

Water jetting (500 bar) was utilised as the surface preparation method to remove any contaminants from the shop primed surfaces and the weld areas were mechanically prepared prior to the application of the **IMO Approved Chemco System**. One stripe coat of **solvent-free, wet & rust tolerant Epo-chem™ RS 500P** was then applied, followed by one full coat, both @ 100µ. To complete the system, one topcoat of **solvent-free, wet tolerant Epo-chem™ RA 500M** was applied @ 250µ.

Outcome

The work was successfully completed and supervised by **Baymarine's** QA and **Chemco's** Technical Representative, meeting all the parameters for **IMO** and **Lloyds Register** for class certification.

Benefits

- Solvent-free
- No grit blasting
- Wet & rust tolerant properties of Chemco system
- Compatibility with shop primers (**IMO Approved**)
- Reduced H&S and Fire Precaution
- Substantial time and cost savings

Continued overleaf

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Photographs

- No. 1 Before application
- No. 2 Stripe coating

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Photographs

- Nos. 3-4 During priming
- No. 5 Priming complete
- Nos. 6-7 Completed application

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