

Client: <i>Vadero Shipping</i>	Industry: <i>Marine</i>
Vessel: <i>Chemical Tanker MV Kaprifol</i>	Date: <i>May - June 2013</i>
Location: <i>Gryfla Shipyard, Szczecin, Poland</i>	Product: <i>Chem-tect™ RB 364</i>

Overview

Vessel "MV Kaprifol" had a requirement for cargo tank refurbishment for over 3,500m². The vessel would carry a selection of a very aggressive range of chemicals at high temperature.

Challenge

Complete failure of the previous lining as supplied by a major paint company had occurred; the usual phenolic epoxy specified and used would not have the resistance and had to be completely removed and a suitable coating applied; the new lining had to be resistant to most acids and alkaline chemicals at high temperature.

Solution

Chemco's new specification was based on a unique chemical resistant coating suitable for full pH range at high temperature as follows:

Surface preparation standard: grit blast to Sa2.5
 Coating: two coats of **Chem-tect™ RB 364** @ 500µ
 DFT per coat plus one stripe coat of **Chem-tect™ RB 364**.

Total DFT: minimum 1,000µ

Outcome

The work programme was successfully completed within the requested time-scale and supervised by Chemco technical staff. All the cargo tanks were completed to class standard and certified accordingly to the satisfaction of all concerned.

Benefits

The advantages of this coating for these cargo tanks was to provide excellent resistant to high temperatures and to a wide range of corrosive chemicals. Fast-curing allowed quicker over-coating, fast application and quick return to service. The main advantage of the system is that it can be patch repaired and the repairs are 100% successful.

Continued overleaf

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Photographs:

- Nos. 1-2 Original condition of cargo tanks before preparation
- No. 3 Tank after first coat of RB 364

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Photographs:

- No. 4 Tank (port) after stripe coating
- No. 5 Tank (port) after second coat of RB 364
- No. 6 Tank (starboard) after stripe coating
- No. 7 Tank (starboard) after second coat of RB 364
- Nos. 8-9 Tank (starboard) after second coat of RB 364

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