

<b>Client:</b> <i>Stephenson Clarke Shipping</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>MV Bran Sands</i>	<b>Date:</b> <i>January 2004</i>
<b>Location:</b> <i>UK</i>	<b>Product:</b> <i>Epo-chem™ RA 500M</i>

## Background

The vessel MV Bran Sands is operated by Stephenson Clarke Shipping on behalf of Northumbria Water as an effluent carrier. The coal-tar epoxy coating applied previously to deck heads (2500m<sup>2</sup>) in effluent ballast tanks was failing and needed to be replaced.

**Epo-chem™ RA 500M**, a high quality, solvent-free, wet tolerant glassflake epoxy, was offered as a one-coat system that would provide long-term (in excess of 10 years) maintenance-free protection with 5 years comprehensive guarantee. **Epo-chem™ RA 500M** is a self priming, edge retentive high build system.

## Specification

The following specification was utilised:

- Wash down to remove surface contamination
- Grit blast to Sa2½
- Clean out
- Stripe coat edges and welds
- Apply one coat **Epo-chem™ RA 500M** solvent-free, glassflake epoxy @ 250µm by airless spray
- Inspect tank and touch up as required

## Application

The duration of the contract from start to completion was 9 days. The product was applied in a single coat to the required thickness, unlike multi-coat paint systems with additional problems of solvent entrapment, inter-coating adhesion problems, contamination etc.

Continued overleaf

1



2



3



## Benefits:

- **Solvent-free**
- The application was estimated to have reduced the contract duration by at least 8 days
- Reduced manpower and access requirements
- Reduced docking times compared to solvent-based multi-coat systems
- Fast return to service as the product can cure underwater.
- Hot-work in adjacent areas continued without disruption
- Reduced number of stripe coats as product has a very good edge coverage
- Reduced ventilation requirements to simple air movers rather than extraction units
- No requirement to dehumidify the tanks as product is moisture tolerant
- Improved H&S and environmental impact to client and applicator
- Increase flexibility for painting. No need to have a specific "window" to fit around other trades

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

East Shawhead Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom

**Tel:** +44 (0) 1236 606060

**Fax:** +44 (0) 1236 606070

**Email:** [sales@chemcoint.com](mailto:sales@chemcoint.com)

**Web Site:** [www.chemcoint.com](http://www.chemcoint.com)

