

<b>Client:</b> <i>Canary Wharf Contractors</i>	<b>Industry:</b> <i>Marine</i>
<b>Vessel:</b> <i>SH037 Barge</i>	<b>Date:</b> <i>November 2012</i>
<b>Location:</b> <i>Canary Wharf, London</i>	<b>Product:</b> <i>Epo-chem™ RS 500P</i>

## Overview

An 80 year old accommodation barge SH037 had a requirement for full ballast tank refurbishment of 3,500m<sup>2</sup>. The seawater tanks were heavily corroded with poor access.

## Challenge

Grit-blasting could not be performed due to the condition of the steel and the vessel being occupied at quayside in Canary Wharf. To protect the health of the applicators and occupants of the barge, a low odour, **solvent-free** system was required. These factors, along with wet and rusty surfaces in the tanks, provided a substantial challenge.

## Solution

Limitations on the condition of the steel only allowed water jet washing @ 400 bar pressure. Loose paint and loose rust was removed to a standard of WJ-4. **Chemco's** specification of a primer coat and stripe coat was carried out with **Epo-chem™ RS 500P solvent-free, wet & rust tolerant** coating @ 100µ DFT followed by a full coat of **Epo-chem™ RS 500P @ 200µ DFT**.

## Outcome

The work programme was successfully completed extending the life-expectancy of the barge by 5-10 years as required by the owner. All the ballast tanks were completed to class standard and certified accordingly to the satisfaction of all concerned.

## Benefits

The vessel remained in service with no operational down-time. The **solvent-free, wet & rust tolerant** system allowed the application to take place at quayside in the centre of London. The applicators required less PPE and were able to work in a cleaner environment for a longer period of time. Substantial cost savings were made as there were no requirements for de-humidifiers, ventilation or heating.

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**Photographs:**

- No. 1 Condition of the barge after jet washing
- Nos. 2 and 3 The ballast tanks condition after stripe and full coat of RS 500P

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  - Rust-tolerant • Zero VOC
  - Tank & Pipe Linings • Under-water & Marine • Glassflake
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- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
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