

<b>Client:</b> IBL - Ireland Blyth Ltd	<b>Industry:</b> Marine
<b>Vessel:</b> M/V AUXIS	<b>Date:</b> October 2013
<b>Location:</b> Durban, South Africa	<b>Products:</b> Epo-chem™ RS 500P & RA 500M

## Overview

The ballast tanks of the vessel M/V AUXIS required a full refurbishment for over 6,000m<sup>2</sup> (double bottoms tanks, wings tanks and deep tank) after the original coatings had failed.

## Challenge

Some areas of the ballast tanks were heavily corroded with limited access. There was also a very limited time-scale for completion of this project and as a result, grit blasting was not permissible.

## Solution

Utilise water jetting as the surface preparation method to WJ-3 standards. Apply one stripe coat of **solvent-free, wet & rust tolerant epoxy Epo-chem™ RS 500P** followed by one full coat of **Epo-chem™ RS 500P @ 200µ DFT**. In some localized areas, where most of the existing paint was still adherent, one primer coat of **Epo-chem™ RS 500P** in all the bare steel areas was applied, followed by one topcoat of **solvent-free, wet tolerant epoxy Epo-chem RA 500M** applied @ 250µ DFT.

## Outcome

The work programme was successfully completed, within the timeframe given and to the satisfaction of all concerned: Owner, Classification Society and Shipyard.

## Benefits

- Solvent-free
- Environmentally friendly system (no grit blasting)
- Reduced H&S and fire precautions
- No dew point or humidity restrictions
- No overcoating limitations
- No delays
- No disruption to other on-going work (hot)

Continued overleaf

1



2



### Photographs

- No. 1 Deep tank before surface preparation
- No. 2 Wing tank before surface preparation

3



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5



6



7



Photographs

- No. 3 Double bottom tank after surface preparation
- No. 4 Deep tank after surface preparation
- No. 5 Double bottom tank after stripe coat
- No. 6 Double bottom tank after full coat.
- No. 7 Wing tank after full coat

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