MAINTENANCE COATINGS FOR SEA WATER BALLAST TANK PROTECTION (INCLUDING SOFT OR SEMI-HARD COATINGS)

It is recommended that any defects in hard coatings are restored using either
(a) the hard coating originally applied,
(b) a compatible hard coating recognized by LR

The compatibility of coatings should normally be confirmed by the paint manufacturer and coatings should be applied in accordance with the manufacturer's requirements.

However, if the required conditions for the application of the original coating are not achievable then a coating more tolerant to a lower quality of surface treatment, humidity and temperature conditions may be considered provided that it is applied and maintained in accordance with the manufacturer's specification.

Various soft or semi-hard coatings are available for repairing hard coatings and at present proposals to use such coatings including the manufacturer's confirmation of their compatibility with existing coatings have to be referred for consideration.

It has now been decided to prepare a list of maintenance coatings including soft or semi-hard coatings using the following classifications.

Class 1 Where the manufacturer has submitted laboratory test data, the coatings have been applied and maintained in service with the manufacturer's recommendations and there has been no significant corrosion for at least 3 years.

Consideration may be given for tanks protected with this product to be examined at the normal survey frequency.

Class 2 Where the manufacturer has submitted laboratory test data and possibly limited service experience. Tanks coated with this product need to be examined on an annual basis.

Where soft coatings have been applied safe access is to be provided for the Surveyor to verify the effectiveness of the coating and to carry out an assessment of the condition of internal structures which may include spot removal of the coating. When safe access cannot be provided, the soft coating is to be removed.

It should be noted that coatings listed in this Chapter are not recommended for use in new buildings.

Coatings listed in this Chapter are only assessed on their corrosion protection properties and not on their safety, toxicity, pollution, or on contamination and it is essential that these aspects are addressed by the Owner.

Particular attention should also be given to the manufacturer's recommendations regarding hot work on or in coated spaces.

The manufacturer must be capable of rendering adequate technical assistance and the Owner should have a proper maintenance and repair programme which should be agreed by the coating manufacturer and LR. The surface preparation, application and coating thickness are to be in accordance with the manufacturer's recommendations and re-application is to be carried out when considered necessary for corrosion protection purposes and commensurate with service conditions.

The coatings are not to be applied by float coat means and in general they are not considered compatible with cathodic protection, but this should be confirmed with the paint manufacturer.
<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Trade Name</th>
<th>Coating Thickness (microns)</th>
<th>Class</th>
<th>Expiry Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMCO INTERNATIONAL LTD.</td>
<td>EPO-CHEM RS 500P</td>
<td>200</td>
<td>1</td>
<td>18/05/2020</td>
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</table>