

Client: <i>Large Cruise Ship Company</i>	Industry: <i>Marine</i>
Scope: <i>Multiple Tank Refurbishment</i>	Date: <i>November 2019</i>
Location: <i>Spain</i>	Product: <i>RS 500P, RA 500M, RB 364</i>

Overview

One of the world's largest cruise ships had multiple tanks which were suffering from corrosion and required to be refurbished.

The scope of the project included alkali, effluent, residence and process tanks.

Challenge

Due to the varied nature of the tanks, there were different internal conditions for each type of tank; ranging from low temperatures and low chemical exposure, to high temperatures and high chemical exposure.

Solution

Chemco was able to provide two coating systems which would provide coverage for all tank conditions.

System 1: For Alkali and Effluent tanks

A unique **solvent-free, wet & rust tolerant** coating system:

- RS 500P
- RA 500M

System 2: For Process and Residence tanks

A 100% solid, highly chemically resistant coating suitable for high temperatures:

- RB 364

Outcome

All tanks were prepared, coated and successfully returned to service within the agreed scope and timeframe given.

This was achieved due to the distinct benefits of each Chemco system.

See photos overleaf

Benefits

System 1 Benefits

Solvent-free

Wet & rust tolerant

Any surface preparation method can be used

No recoating limitations

Application in any environmental condition

No extensive ventilation or dehumidification requirements

Other work (including hot work) can continue nearby without disruption

Easy to apply by brush, roller or spray

Reduced H&S concerns and Fire Hazard

Quick back-in-service times

System 2 Benefits

100% Solid

Full pH protection (1-14)

Excellent chemical resistance

Excellent temperature resistance

Provides impermeable barrier between coating and substrate

Suitable for application in high temperatures

Fast curing (touch dry in 2-4 hours)

Low maintenance and ease of repair

Quick recoating intervals

Quick back-in-service times

1



2



3



4



5



6



7



8



Photographs:

- Nos. 1-2 Alkali Tank Before/After Coating
- Nos. 3-4 Effluent Tank Before/After Coating
- Nos. 5-6 Residence Tank Before/After Coating
- Nos. 7-8 Process Tank Before/After Coating

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