

# 500 Series for Structural Steel



**Industry** Oil & Gas  
**Date** April 2009  
**Substrate** Structural Steel  
**Products** Chemco Chem-TECT™ RS 500P Primer  
 Chemco Chem-TECT™ RA500M  
 glassflake filled wet tolerant epoxy  
**Environment** Hot and humid, sea mist

**Challenge** Highly corroded carbon steel decks would have taken 12 months to re-surface with riding crew permanently on board. Corrosion would have re-appeared upon completion under high humidity and rain conditions.

**Chemco's Solution** Chemco's application of wet & surface tolerant coatings was carried out with minimal disruption to the everyday activities and came with a 10 year warranty, much to the rig manager and asset owner's satisfaction.

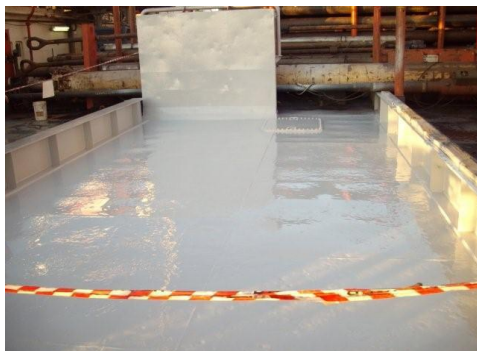


Corroded deck



Wet abrasive blasting

**Scope** 15,000 - 19,000 psi water blast with small footprint machine  
 Wet abrasive blasting to reduce metallic salt content  
 Perforations were found in accommodation quarters and other critical areas  
 Applied 1 coat RS 500P and laminated using 600gm/m<sup>2</sup> multi-directional matting  
 Applied 1 coat RA 500M with a nominal thickness of 500µm—700µm



Completed coating on section of the deck

**Results** Application was complete within client's timeframe, and asset owner also saved 12 months of downtime and repetitive painting costs. Chemco Australia has been awarded continuous work on the rest of the problem areas and other rigs from the same client.