

OBJECTIVE: To demonstrate the use of Goldseal Anticorrosive Coating in combination with other surface coatings on a wharf in Western Australia.

BACKGROUND: In 2009 Coogee Wharf near Fremantle was put out for maintenance tender. This involved the repair of Galvanized handrails, bolt replacement, sand blasting and painting of steel box members. Below the splash zone required pile cleaning, Denso wrap system and Anodes.

COMMERCIAL INFORMATION: Shoreswater Marine submitted the successful tender and is an approved Goldseal applicator. Advanced Eco Blasting was the paint coating sub-contractor.

Work was completed by Xmas 2009.

GOLDSEAL CONTRIBUTION: Goldseal was applied in specific areas where historically corrosion had gained initial access.

For Example:

1. Handrails.

- a. All bolts were coated in Goldseal prior to fitting.
- b. The rear of handrail mounting plates were coated to inhibit unwashed salt from corroding the rear of the mounting plate.
- c. Handrail connections, bolt heads, washers and threads were coated after fitting.

2. Paint Coating.

- a. Advanced Eco Blasting used their environmentally friendly cleaning process to prepare the steel and spray applied Interzone 954, a single pack marine coating.
- b. The wharf deck bearers are slotted and fixed to the steel box cross members by bolting through a vertical steel plate. The use of Goldseal in these slots meant the wharf deck and bearers did not need removing. The slots were blasted and painted. Hot Goldseal was then applied airless into the slots. The liquid goldseal hardens immediately on contact, coating to 10,000 microns in one application.



2. Paint Coating (continued).

c. The product remains mobile for 3 months and will penetrate and kill existing corrosion. Goldseal will capillary into cracks and behind washers producing a chemical and water resistant flexible seal that will not crack or peel

3. Denso System.

a. Goldseal was applied at the base of the Denso system for added protection under the decking

b. Goldseal was applied where the Denso system was discontinued around flanges and bearer connections

ADDING VALUE: The Coogee Wharf is a good example of a mixed discipline coating contract. The application of Goldseal on site after other products were fitted, will enhance the performance of all products, delaying the onset of initial corrosion. If maintenance inspections identify the development of corrosion sites, Goldseal can be hand applied, cold. This simple cost effective preventative maintenance does not require sand blasting.

SUPPORT INFORMATION: See the Goldseal Website www.goldsealrustproofing.com for other information, including the location of your nearest Goldseal applicator.

INDEPENDENT INSPECTION REPORT: This report is summarised on the website detailing the inspection of Chelsea Sugar works Wharf, (Goldseal on steel) and Raglan commercial wharf (Goldseal on spalling concrete) after 20 years without major maintenance.

GOLDSEAL GROUP

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