CORROCOAT

# Case study: **Biofoul for inlet screens**

## Huge savings with over 4 years' service and virtually no marine growth.

### Customer
Marine industry, Japan.

### Application date
September 1998.

### Scope of work
Marine growth on sea water intakes causing significant reduction in intake flow. Requirement to cut costs of regular maintenance.

### Products
Biofoul.

### Substrate
Mild steel.

### Coating system
- New substrate grit blasted to ISO 8501-1 cleanliness standard SA 2½ with a minimum surface profile of 50$\mu$.
- Whole sample treated with corrosion barrier coating, Polyglass VEF by airless spray application to achieve a minimum dft of 900 microns.
- Topcoat of Biofoul applied by airless spray application to achieve a minimum dft of 250 microns.

### Coating credentials
As an anti-foul, Biofoul provides an excellent alternative to toxic anti-fouling materials, including electrolytic processes, that produce unwanted levels of chlorine which can also cause serious corrosion problems.

Biofoul has been tested in an independent laboratory for both effectiveness and non-toxicity.

### Photographs
Left: Clean sample coated totally with Polyglass anti-corrosion coating, and half recoated with a veil of Biofoul. When first applied, Biofoul is copper/gold in colour. The colour changes with age to the pleasantly green appearance of oxidised copper.
Middle: The sample after just 2 months sub-sea service.
Right: The same sample after 19 months sub-sea service.

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