

CASE STUDY : COARSE WATER FILTER SCREENS PRO-

**BIOFOUL ANTI-FOULANT:
ECO-FRIENDLY, MECHANICALLY
STRONG & GIVES EXTENDED LIFE**

CLIENT

Power Industry, UK

APPLICATION DATE

2004

SCOPE OF WORK

Prepare screens by pressure washing, manual cleaning & scraping, then abrasive blasting to remove marine growth, debris and corrosion deposits. Assess repair work. Apply corrosion protection and Biofoul.

PRODUCTS

Corrocoat 600 Series for repair and re-profiling, with a Polyglass PPA primer coat. Top coat of Biofoul applied for anti-fouling requirements.

SUBSTRATE

Steel fabrication

COATING SYSTEM

- Grit blast whole structure to ISO 8501-1, cleanliness standard Sa 2½ with minimum surface profile of 50µm.
- Apply Polyglass PPA to whole structure as a primer for the Corrocoat 600 Series, applied to a min.dft of 1.5mm.
- Apply top coat of Biofoul.

CORROCOAT CREDENTIALS

Biofoul is an eco-friendly non-toxic coating. The mechanism by which Biofoul provides anti-fouling properties enables the product to be used in both static and self-polishing environments.

The coating is mechanically strong (unlike many self-polishing anti-foulants), has a long life (when used in conjunction with a Corrocoat corrosion system) and is non-toxic.

By applying a final coat of Biofoul, the Power Station has eliminated the costly requirement for regular cleaning & maintenance by divers.

In addition to this replacing these screens would have cost considerably more than re-profiling and protecting by Corrocoat.

PHOTOGRAPHS :

Top: The screen after pressure washing – showing the extent of corrosion and pitting.

Middle: Detail of the re-profiled cross-members.

Bottom: The completed screens awaiting despatch.



CORROCOAT