

# CORROCOAT



## 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

Corroglass 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 Corroglass 600 Series, applied to a min.dft of 1.5mm.
- Apply top coat of Biofoul.

#### Coating 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

Left: [The screen after pressure washing – showing the extent of corrosion and pitting.](#)

Middle: [Detail of the re-profiled cross-members.](#)

Right: [The completed screens awaiting despatch.](#)