



Case study: Corroglass 600 for water boxes

Repair and protection for air cooler water boxes.

Client

Power generation industry, UK.

Application date

August 2004.

Scope of work

Due to severe sea-water corrosion leading to leakage, repair and future corrosion protection was essential. Also some mechanical modifications were carried out as specified by client.

Products

Internally: Corroglass 600 series & Vinyl ester glass fabric.
External: Plasmet ZF & cosmetic enamel topcoat.

Substrate

Motor oil cooling waterbox.

Coating system

- Internal grit blast to ISO 8501-1 SA 2½.
- External grit blast to ISO 8501-1 SA 2.
- Hand application using specialised techniques to rebuild seven damaged water boxes to provide effective, anti-corrosion protection.

- Application internally of Corroglass 600 series to achieve a minimum dft of 1.5 mm. Coated across the flange faces and fully spark tested at 19kv and thickness checked.
- Hand application of Plasmet ZF 150µm, followed by a top coat of enamel cosmetic top coat in customer's house colours.

Coating credentials

this customer were able to save thousands of pounds, by recycling their old components – which some would have deemed as 'scrap'.

When the water boxes were re-installed, the customer benefited from the same efficiency that you would get with a new system with the added benefit of excellent corrosion protection – extending the life of the refurbished component.

Corrocoat's coating and engineering expertise combined once again benefited the customer two-fold.