

CASE STUDY: COOLING WATER SCREEN

LOCATION: Petroleum Refinery, Cyprus

MARKET: OFFSHORE

REQUIREMENT:

Long term protection for equipment immersed in sea water and subject to abrasion.

SURFACE PREPARATION:

Substrate: Mild Steel.

The Screens were pressure washed with fresh water to remove any salt contamination prior to blast cleaning to Sa2½ of ISO Standard EN ISO 8501-1:2007 to a profile of 50 to 75 microns. Preparation was completed by a further fresh water wash to remove any dust created.

COATINGS:

Two coats of Corroless EPF were applied

PRODUCT	DFT (per coat)
Corroless EPF Buff	200 microns
Corroless EPF Black	200 microns

COMMENTS:

The screens were put back into service and the performance compared with a screen coated with a competitor's product. The competitor's product failed after two months. The screens coated with Corroless EPF were still in perfect condition after 18 months, at which the customer adopted the Corroless system as standard.

