CORROCOAT

Case study: **Corroglass 600 for fan unit**

Corrosion protection for fan unit.

Customer
General industry, UK.

Application date
2003.

Scope of work
Protection of new impeller and casing, designed for use in aggressive conditions.

Products
Internals: Corroglass 600 Series.
Externals: Plasmet ZF.

Substrate
Carbon steel.

Coating system
- Internal: The impeller was grit blasted to ISO 8501-1, SA 2½ and treated using Corroglass 600 Series materials.
- The casing was grit blasted internally to the same standard, followed by application of Corroglass 600 Series to a minimum dry film thickness of 1mm, carried into the flange rebates and finished flat to ensure optimum performance in use
- External : The area was grit blasted to SA 2 and protected using two coats of Plasmet ZF.

Coating credentials
This particular unit was developed for use at a duty incorporating 1% hydrochloric acid, 500ppm monochlorobenzene and moist air at 30°C, operating at a maximum of 1339rpm and requiring additional protection against corrosion attack.

Using Corrocoat's Engineering facilities the impeller was fully balanced to BS6861-pt1.

Photographs
Left: Impeller in coating shop after grit blasting and primer coat.
Middle: The fully completed and inspected impellers.
Right: Casing completed, awaiting despatch.

Corrocoat Ltd, Forster Street, Leeds LS10 1PW Tel +44 (0) 113 276 0760 Fax +44 (0) 113 276 0700 www.corrocoat.com