

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 Sa2 and protected using two coats of Plasmet ZF.

CORROCOAT 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

PHOTOS

Top: Impeller in coating shop after grit blasting and primer coat.

Middle: The fully completed and inspected impellers.

Bottom: Casing completed, awaiting despatch.



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