

BELZONA REPAIRS FAN AT PULP AND PAPER MILL

ID: 235



PROBLEM

Magnesium Oxide fan and casing were being destroyed by a serious corrosion/erosion cycle. The process temperature was 150-165C. Although the process is dry, moist air was being sucked in through the shaft hole, corroding the steel.

APPLICATION SITUATION

Corrosion protection at elevated temperatures.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets FBC-2 and FBC-5.

BELZONA FACTS

An imitation product had been previously used and only lasted for 10-12 months. The engineers chose Belzona for a more long lasting, cost effective solution for the fan and casing. The fan blades were coated with Belzona® 1391 for outstanding erosion/corrosion protection.

INDUSTRY

Pulp & Paper

LOCATION

Pulp and paper mill - South Africa

APPLICATION DATE

March 2001

PRODUCTS

Belzona 1391

Belzona 6111 (Liquid Anode)

Belzona 5111 (Ceramic Cladding)

SUBSTRATE

Mild Steel

PHOTOS

1. The fan has been grit blasted and is ready to be coated
2. The top of the fan casing has been coated with Belzona 6111 (Liquid Anode)
3. Belzona 5111 (Ceramic Cladding) is being applied to the fan casing bottom

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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