

# BELZONA REPAIRS FAN AT PULP AND PAPER MILL

ID: 235

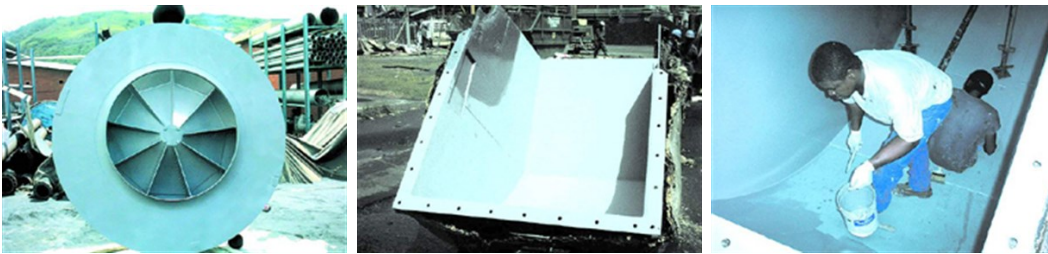
Industry: *Pulp & Paper*  
Application: *FBC-Fans, Blowers and Compressors*

Customer Location: *Pulp and paper mill - South Africa*  
Application Date: *March 2001*

Substrate: *Mild Steel*  
Products: *\* Belzona® 1391 ,*  
*\* Belzona® 6111 (Liquid Anode) ,*  
*\* Belzona® 5111 (Ceramic Cladding) ,*

## 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.*



## Photograph Descriptions

- \* The fan has been grit blasted and is ready to be coated ,
- \* The top of the fan casing has been coated with Belzona® 6111 (Liquid Anode) ,
- \* Belzona® 5111 (Ceramic Cladding) is being applied to the fan casing bottom ,

## 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.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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