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## BELZONA® REPAIRS FAN AT PULP AND PAPER MILL

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### CUSTOMER

Pulp & paper mill - South Africa

### APPLICATION DATE

March 2001

### APPLICATION SITUATION

Corrosion protection at elevated temperatures.

### PROBLEM

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

### PRODUCTS

Belzona® 1391

Belzona® 6111 (Liquid Anode)

Belzona® 5111 (Ceramic Cladding)

### SUBSTRATE

Mild steel

### APPLICATION METHOD

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

### BELZONA FACTS

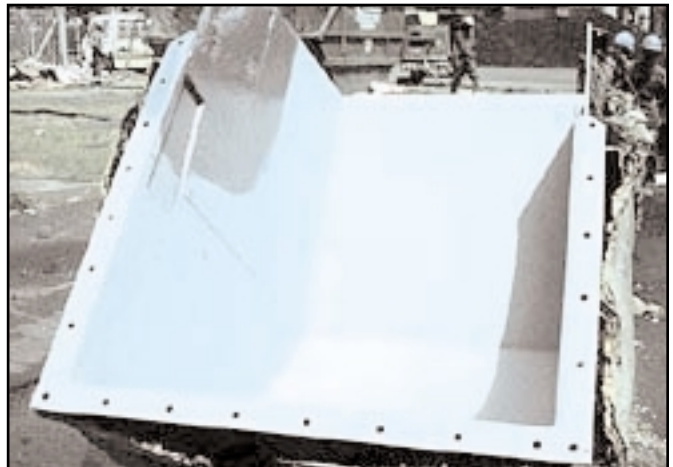
An imitation product had been previously used and only lasted for 10-12 months. The engineers chose Belzona for a more long lasting, cost effective solution for the fan and casing. The fan blades were coated with Belzona® 1391 for outstanding erosion/corrosion protection.

### 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.



1.



2.



3.