

# BELZONA REPAIRS FAN BLADES

ID: 5369

Industry: Power  
Application: FBC-Fans, Blowers and Compressors

Customer Location: Houston, Texas, USA  
Application Date: March 2013

Substrate: Fiberglass  
Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,  
\* Belzona 5811 (Immersion Grade) ,  
\* Belzona 5111 (Ceramic Cladding) ,

## Problem

The customer was replacing blades on their cooling towers every 5-7 years, with 12 towers this was a costly expense. The Belzona solution was to rebuild the leading edge and protect for a long term solution.



## Photograph Descriptions

- \* Damaged blades before the repair ,
- \* Leading edges repaired ,
- \* Application completed ,

## Application Situation

Fan blades on cooling tower seeing wear on leading edges reducing efficiency.

## Application Method

The application was carried out in accordance to Belzona Know-How System Leaflet FBC-1. Belzona 1111 was used to rebuild the damaged area on the leading edge and Belzona 1321 was applied to the edge for erosion protection. The body of the blades were

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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**BELZONA**  
Repair • Protect • Improve

coated with Belzona 5811 and overcoated with Belzona 5111.

**Belzona Facts**

The customer commented that he was able to save over 80% by using the Belzona repair instead of buying new blades.

The customer commented that the cost of the Belzona repairs was less than 20% the cost of new blades.

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