

# WORN FAN BLADES RESTORED WITH BELZONA

ID: 321

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

Customer Location: Power station in Thailand  
Application Date: November 2001

Substrate: Glass reinforced polyester (GRP)  
Products: \* Belzona® 4151 ,  
\* Belzona® 1341 (Supermetalgilde) ,  
\* Belzona® 5111 (Ceramic Cladding) ,

## Problem

UV degradation, erosion and impingement had caused damage to the surface coating on the blades potentially leading to more porous damage.



## Photograph Descriptions

- \* Application of Belzona® 4151 to the blades ,
- \* Belzona® 1341 applied to leading edges ,
- \* Belzona® 5111 applied by airless spray ,
- \* Blades being returned for installation to cooling towers ,

## Application Situation

GRP fan blades from cooling towers.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet FBC-1.

## Belzona Facts

Belzona® 4151 was used to repair the damaged top coat on the blades. Belzona® 1341 was used to protect the leading edges and Belzona® 5111 was used to provide overall protection. The Belzona refurbishment has avoided the high cost of blade replacement and provided the plant with long term protection of the blades.

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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