

# SERVICE LIFE EXTENDED: FLYING ASH IS NO PROBLEM FOR BELZONA

ID: 391

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

Customer Location: *Power Company in the Southwest U.S.A.*  
Application Date: *August 2001*

Substrate: *Steel*  
Products: *\* Belzona® 1812 (Ceramic Carbide FP) ,*  
*\* Belzona® 2121 (D & A Hi-Coat Elastomer) ,*

Problem  
*Severe wear*



## Photograph Descriptions

- \* Worn fan casing damaged from abrasive particles is rebuilt and protected with Belzona® 1812. ,
- \* Fan impeller is coated with Belzona® 2121. ,
- \* The crew is happy with their work. ,

## Application Situation

Fly ash fan moves fly ash from a lower hopper into one at an upper level of the plant.

## Application Method

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

## Belzona Facts

The fan impeller had a life expectancy of 3 months and costs \$1,300. The housing had a life expectancy of one year and costs \$3,000. After one year of service following the Belzona application, the fan was opened up and inspected. The impeller was 90% perfect and the housing was 100% perfect. The impeller was re-coated in June 2003, the housing remains perfect. This application has saved the customer over \$15,000 in less than two years.

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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