

SERVICE LIFE EXTENDED: FLYING ASH IS NO PROBLEM FOR BELZONA

CUSTOMER

Power Company in the Southwest U.S.A.

APPLICATION DATE

August 2001

APPLICATION SITUATION

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

PROBLEM

Severe wear

PRODUCTS

Belzona® 1812 (Ceramic Carbide FP)

Belzona® 2121 (D & A Hi-Coat Elastomer)

SUBSTRATE

Steel

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.

PICTURES

1. Worn fan casing damaged from abrasive particles is rebuilt and protected with Belzona® 1812.
2. Fan impeller is coated with Belzona® 2121.
3. The crew is happy with their work.



1.



2.



3.

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



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