

# BELZONA SAVES COAL DRYER EXHAUST FAN

ID: 5465

Industry: Heating, Ventilation & Air Conditioning  
Application: FBC-Fans, Blowers and Compressors

Customer Location: British Columbia, CA  
Application Date: April 2014

Substrate: AR steel  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1391 (Ceramic HT) ,

## Problem

Exhaust contains fine coal dust and moisture, which erodes the fan blades, including the AR steel blade protectors.



## Photograph Descriptions

- \* Worn out AR plate; Belzona 1311 applied several years prior is still evident. Note missing bolt. ,
- \* Rebuilt and coated with Belzona 1311 and 1391, respectively. ,
- \* Completed application without disassembly and in one shift. ,
- \* Belzona application intact after 6 months in operation. ,

## Application Situation

This fan handles hot exhaust from a gas-fired dryer at a coal mine.

## Application Method

After proper surface preparation, the application was carried out in accordance with Belzona Know-How System Leaflet FBC-1.

## Belzona Facts

The Belzona rebuild is more cost effective than replacing the AR wear plates. Also, power drawn by the fan motor is dramatically reduced. For these reasons, this has become a regular maintenance procedure on this fan. In this case, the fan rotor had been neglected for several years as it was scheduled for replacement. Unfortunately, the new rotor was not effective so the original one was reinstalled and rebuilt once again with Belzona.

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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