# BELZONA PROTECTS EXHAUST FAN FROM EROSION

# **CUSTOMER**

BC, Canada

# **APPLICATION DATE**

May 2010

#### **APPLICATION SITUATION**

Exhaust fan

## **PROBLEM**

The fan moves hot, moist, particulate laden exhaust air from the dryers. The hot air erodes the replaceable hardened steel blade faces while the swirling mixture erodes the back faces of the fan blades, compromising its structural and strength.

#### **PRODUCTS**

Belzona 1391 (Ceramic HT) Belzona 1811 (Ceramic Carbide)

# **SUBSTRATE**

Mild Steel

#### APPLICATION METHOD

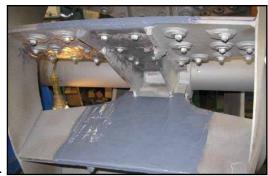
The application was carried out in accordance with Belzona Know-How System Leaflet FBC-1 and FBC-2.

## **BELZONA FACTS**

Using Belzona 1811 to fare in and smooth the blade back help to reduce the swirl effect and protect the blade. On the blade faces, Belzona 1391 acts as a sacrificial coating and has proven to almost double the service life of the AR plate. It is planned to reapply Belzona 1391, when necessary, in situ to extend the service life even further.

# **PICTURES**

- I. The leading faces of the fan blades are protected with Belzona 1391
- 2. The backside of the fan blades are protected with Belzona 1811.
- 3. Completed application with both front and back of the fan blades protected.











3

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

