

# ACC fan blade required a leading edge protection system

ID: 9867

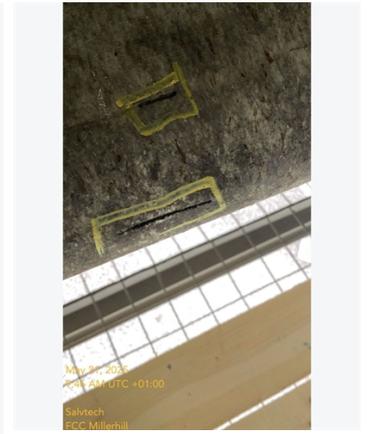
Industry: *Other*  
Application: *FBC-Fans, Blowers and Compressors*

Customer Location: *Aylesbury*  
Application Date: *May 2025*

Substrate: *GFRP*  
Products: *Belzona 5711, Belzona 5721*

## Problem

Customer at an energy from waste plant had air cooled condenser (ACC) fan blades that were suffering from wear and tear due to abrasion.



Six 5m length blades were exposed to abrasion and wear and tear

The application could be completed without dismantling the blades from the motor

Belzona 5711 and Belzona 5721 was chosen to protect the edges of the blades and provide them with an extended life

Quick curing time, ensured that the ACC fan could be back in operation quickly

## Application Situation

Customer was not able to remove fan blades without causing lengthy downtime and expensive moving costs. A leading edge protection solution was required to repair fan blades in situ.

## Application Method

The surface area was prepared to a minimum surface profile. Belzona 5711 and Belzona 5721 was selected to protect the edges of the fan blades and applied with a Cox ElectraFlow Dual Ultra 400 MR dispenser.

## Belzona Facts

The Leading Edge Protection system, comprising of Belzona 5711 and Belzona 5721 offers a long term repair and protection solution for turbine blades. With the easy to use system, the clients were able to apply without the need for contractors.

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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