

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

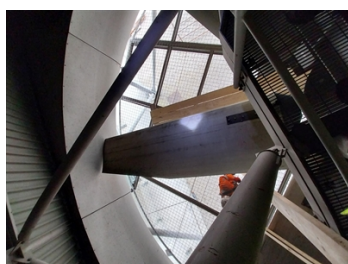
Substrate: GFRP
Products: Belzona 5711, Belzona 5721

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

Copyright © Belzona International Limited 2025


BELZONA
Repair • Protect • Improve