

ACC FAN BLADE REQUIRED A LEADING EDGE PROTECTION SYSTEM

ID: 9867



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.

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.

INDUSTRY

Other

LOCATION

Aylesbury

APPLICATION DATE

May 2025

PRODUCTS

Belzona 5711
Belzona 5721

SUBSTRATE

GFRP

PHOTOS

1. Six 5m length blades were exposed to abrasion and wear and tear
2. The application could be completed without dismantling the blades from the motor
3. Belzona 5711 and Belzona 5721 was chosen to protect the edges of the blades and provide them with an extended life
4. Quick curing time, ensured that the ACC fan could be back in operation quickly

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