

Leading Edge Protection that's made to last



Easy installation

- Designed to be installed by rope access, platform, or basket.
- Intuitive installation techniques ensure quick and effective application.
- Minimal preparation required for repairs to Category 1 to 3 erosion
- Custom adhesive formulation can be consistently and successfully applied in a wide variety of environmental conditions, minimising weather days.



- Fast installation and curing times allow the turbine to return to operation on departure, minimising downtime.
- Full installation training programme provided for all technicians.

Minimising the opportunity for human error and the susceptibility to environmental factors reduces application variability to deliver consistent, highquality and long-lasting installations.



A highly durable solution, made to last

- Armour Edge performed well in rain erosion tests conducted to internationally recognised standards at leading UK and Danish test houses.
- ORE Catapult industry comparison report predicts that Armour Edge's Leading Edge Protection system will last 53.4 years.
- The adhesive supplied as part of the Armour Edge system is manufactured to our specifications to ensure both a strong bond and high elongation (flexibility).
- A powerful exothermic reaction and dew point indifference ensures that a strong bond is quickly achieved, with the adhesive also sealing the edges to prevent weather ingress.

Installed off-shore Germany since 2020 with multiple repeat orders from the same windfarm and no instances of debonding there or on any other installation since.



Designed to optimise aerodynamic performance

- Armour Edge is designed to replicate the leading-edge geometry of the blade.
- Armour Edge shields natural taper towards the trailing edges during the

thermoforming process.

• CFD and wind tunnel studies indicate that Armour Edge has a minimal theoretical impact on AEP compared to a pristine blade.

Recent data from a Danish off-shore windfarm shows a meaningful AEP uplift following the installation of Armour Edge.

CROSS SECTION

Shield layer
Adhesive layer

Turbine blade



info@armouredge.com +44 (0)7725 816 269

