

# RENUVO™

Blade Repair System

RENUVO™ MPS reduces maintenance time through UV Cure

**RENUVO™ MPS (+5°C to +18°C) Multi-Purpose System resin, part of the RENUVO™ Blade Repair System product range has been chosen by Renewable Advice for use in wind turbine blade repair operations. Renewable Advice are an established Blade Operations, Maintenance and Repair company with many years of experience working in both blade manufacturing and in-field support. Their rapid response to customer demand has led them to reduce their use of traditional wet lamination techniques and introduce RENUVO™ Blade Repair System.**

## Challenge

### Completing maintenance repairs under poor weather conditions.

“Weather conditions in the UK are very challenging, meaning we have to react quickly to ensure we complete repairs when the temperature is +15°C or above. We have been looking for a solution to enable us to offer Maintenance and Repair services throughout the year,” says Renewable Advice Director, Benn Faulkner.

Renewable Advice sought to replace traditional wet laminating materials to allow them to offer a better service and meet customer demands. Wet laminating systems are typically 2 component resins, requiring offline mixing or long mixing nozzles creating excessive waste. Additionally the use of wet systems create a hazardous environment where equipment can become contaminated by uncured resin and cleaning operations often take as long as the repair operation itself.

## Solution

### Gurit RENUVO™ MPS (+5°C to +18°C / +15°C to +30°C) resin

RENUVO™ Blade Repair System products offer:

- UV curing in 90 seconds
- Maintenance repair from +5°C
- Suitable for use on Polyester or Epoxy substrate
- Compatible with current topcoat technology
- Used in combination with RENUVO™ Lamp Technology

Renewable Advice chose RENUVO™ MPS to shorten the repair cycle time, improve the quality of the operation and to extend the weather window for repair. “For us it means we benefit greatly from the simple application and rapid UV cure, to help set us apart from the competition. We’ll always consider using RENUVO™ first.” says Renewable Advice Director, Benn Faulkner.

The MPS resin chosen in this application has the primary advantages of lower working temperature of +5°C, single component resin to eliminate the need for mixing pots or nozzles and 100% cure in 90 seconds. The result is a simple and clear repair that can be repeated efficiently and consistently.

RENUVO™ Blade Repair System is used in both maintenance and structural repair situations. Gurit have endeavoured to support the operations and maintenance market by offering a comprehensive suite of products and training to for all users.

