

# RENUVO™

UV Curing Composite Technology

## RENUVO™ PP takes structural repair to new level

**RENUVO™ PP (+5°C to +30°C) Prepreg, part of the RENUVO™ Blade Repair System product range is adopted by BS Rotor Technic for turbine blade repairs. BS Rotor Technic is a global provider of Inspection and maintenance to OEM and Utility companies. Their platform access system provides both easy access and a stable working environment that is of paramount importance. The clean and error free repair process of RENUVO™ Blade Repair System has made the switch an easy decision.**

### Challenge

#### Eliminating errors in structural repairs

“Having to stock many different resin systems, depending on what type of blade is being repaired is a logistical headache. Applying wet systems when in-field bears the risk of contamination, error in composition and quality control. Compounding this is the waste generated from mixing pots and unused materials” says BS Rotor Technic Managing Director Jeremy Sheppard.

For BS Rotor Technic structural repairs are an everyday activity. The wet laminating systems used are typically 2 component resins, requiring offline mixing and long mixing nozzles creating excessive waste. Additionally in poor weather heater blanket and IR heaters are required to assist the product cure. This operation needs to be done above +15°C and remain stationary for 24hrs to adhere to the stringent GL requirements for repair.

### Solution

#### Gurit RENUVO™ PP (+5°C to +30°C) resin

RENUVO™ Blade Repair System products offer:

- Structural UV curing in 180 seconds through RENUVO™ Lamp Technology
- Suitable for use on Polyester or Epoxy substrate
- NO down-time associated with repair postcure

BS Rotor Technic selected RENUVO™ PP to streamline the procurement process and improve customer service. “The use of RENUVO™ PP will increase our in-field efficiency by reducing the number of resins we need to transport. It also allows us to finish the repair perfectly, even when the weather is deteriorating fast. Not to mention we no longer need to instruct the Utility company that their turbine should remain offline for 24 hrs.” says BS Rotor Technic Managing Director, Jeremy Sheppard.

The primary benefit of the RENUVO™ PP system chosen in this application is its simple 'repair kit in a box' approach. With the correct grade of RENUVO™ PP and MPS selected to compliment the weather conditions.

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.

