



Case Studies

PROJECT: Small to Mid Wind Turbine Blade Manufacture

CLIENT: GridLink Pty Ltd

LOCATION: VIC, Australia

PRODUCT: Auspreg UV - MTT 815

DESCRIPTION: UV Curable Triax 1150 / PE

YEAR OF PROJECT: 2005

OVERVIEW: The client manufactures and installs small to mid sized wind turbines ranging from 3-20 K/W. As a start up company, the client was looking for the most cost effective composite material without having to invest in expensive tooling such as RTM equipment. They also wanted to get to market as quickly as possible and required extensive testing and validating.

Auspreg UV was selected for these reasons as the ideal material to make 6.5 metre length blades with using MDF moulds and vacuum bagging techniques to form the required shape and then exposure to light set up in long rows for rapid curing in minutes.

Finished blades were tested by The University of Melbourne who found that there was no apparent permanent deformation of the blade and despite loading to twice the proof load, no failure of the blade structure occurred. The University concluded that 6.5 metre Grid Link blades made from Auspreg UV confirmed to the necessary IEC 61400-2 Standard.



Quality
ISO 9001

