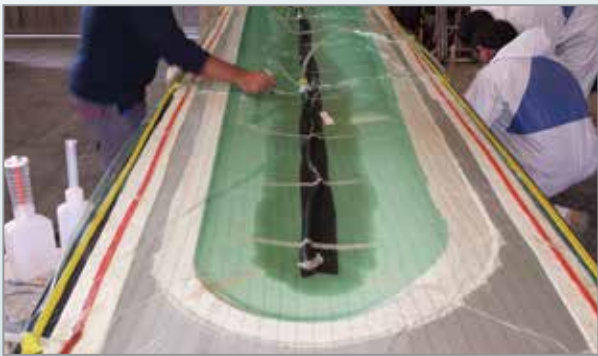
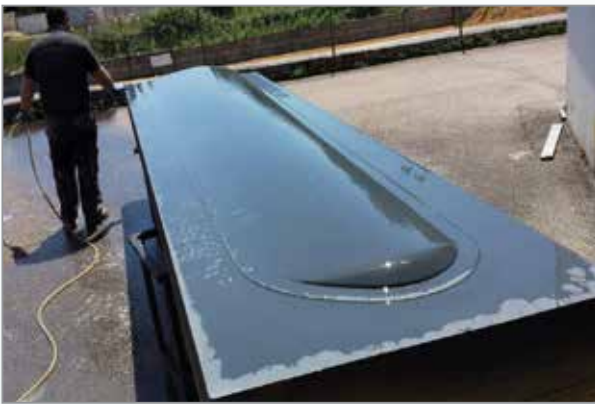


Wind Turbine Blade Maintenance By IM FUTURE Using Crystic® Rapid Tooling System

Company Profile - IM FUTURE

LOCATION : NOIA (A CORUÑA, GALICIA), SPAIN

IM Future has more than 15 years' experience in the maintenance, operation and management of wind farms where they carry out preventative and corrective maintenance, exchange, as well as repairs to wind turbine components.



Benefits/Advantages

Crestapol 1250 LV was selected among other resins due to:

- ✓ Exceptional strength and durability
- ✓ Faster processability than rival epoxy products, with lead times of less than 48 hours
- ✓ No need to post cure the parts resulting in rapid cycle times
- ✓ Superb surface finish
- ✓ Excellent flow and fibre impregnation
- ✓ Crestapol 1250LV is more cost effective than epoxies previously used by IM FUTURE

Application of Crystic® Products

Crystic® Rapid Tooling System

The following Rapid Tooling System products were used;

- Crestabond® M1 and M7
- Filler X401
- Crystic® 15PA
- Crystic® 679PA
- Crystic® RTR 4000PA Excel

Epoxy resins were also used and supplied by Resinas Castro.



Customer Quote

“Blade repairs are generally urgent issues which need to be solved quickly and so short lead times are essential in most cases, ensuring a prompt rotor restart and therefore avoiding energy production losses. Scott Bader's products enable us to carry out such repairs within the required short lead times.

IM FUTURE also aims to meet its customers' demands for repair systems which involve products suitable for both in-house and out in the field applications. It is therefore very important for us to have readily available stock and this is possible thanks to the excellent service provided by Resinas Castro.

Blade refurbishing means, in some cases, the need for tools which are suitable for the rapid production of new parts. Resinas Castro in conjunction with its sister company Skillful, LDA and the high quality products supplied by Scott Bader, has helped IM FUTURE with this important process.

Skillful has previously been able to scan a blade tip while out in the field, while obtaining the 3D files by reverse engineering and producing the CNC foam tip plugs. IM FUTURE was then able to produce the polyester/glass tools using the Scott Bader Rapid Tooling System, supplied by Resinas Castro – this is an example of the successful collaboration between Scott Bader, Skillful, Resinas Castro and IM Future.

IM FUTURE

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