

## Gurit introduces for the first time in America a series of cost-saving material concepts at AWEA 2013, Chicago

- UVOTEC™ low resin uptake technology that reduces the net weight of infused structures
- SparPreg™ featuring Airstream™ which allows for high quality, low void unidirectional spar caps
- New prepreg resin technology that eliminates the need for cold storage for prepregs

### Gurit – Delivering the future of composite solutions.

**29 April 2013, Isle of Wight** – Gurit, a world-wide leading composite materials and composite systems and engineering specialist is showcasing new enabling product and technology innovations for the worldwide Wind Energy market on stand 3436 at Wind Power 2013 at McCormick Place Convention Center, Chicago, USA, from 5<sup>th</sup> to 8<sup>th</sup> May 2013.

A main highlight is Gurit's Balsaflex® UVOTEC™ – Low resin uptake technology. Gurit has developed the next-generation of Balsa core materials for the manufacture of ever lighter and lower-cost sandwich panels. A unique chemistry modifies Gurit's Balsaflex® surface topography in such a way that it significantly reduces the quantity of resin absorbed during the infusion process, without negatively compromising the skin adhesive properties. The lower resin uptake of UVOTEC™ allows users of Balsaflex® to reduce the net weight of infused structures without having to change the infusion processing methods they are familiar with. In addition, the lower resin uptake is also a considerable saving in terms of material cost for Gurit's customers.

- Up to 1.3kg reduction in resin uptake / sqm
- Potential to engineer weight / cost reduction out of sandwich laminate
- Suitable for all balsa composite processes

Gurit will be displaying its extended structural core offering for the wind energy market, which includes Corecell™ T-Foam, G-PET, PVCCell® G-Foam and Balsaflex®.

Gurit will also be showcasing its SparPreg™ featuring Airstream™ coating technology. This specialised prepreg technology allows the economic manufacture of high quality, low-void, unidirectional spar caps using advanced glass and carbon fibres. Main benefits include:

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- Excellent handling and mould conformance characteristics from 15°C / 59°F to 35°C / 95°F
- Extremely low void content in any thickness without the need for cold lay-up or de-bulking
- Compatible with low Tg infusion grade tooling
- Suitable for manual, automated and semi-automated lay-up

Another main highlight is Gurit's new prepreg resin technology which no longer requires chilled storage and transportation and extends the shelf-life of prepregs at ambient temperatures of up to 35°C / 95°F to over two months. This new technology results in tangible cost and efficiency benefits for the customers. What's more, it makes Gurit's advanced prepreg technology more accessible, as the formerly costly need to transport, store, and use prepregs in cooling containers, chilled storage rooms and air-conditioned manufacturing halls now becomes obsolete. Main benefits include:

- Up to 2 months out-life at 35°C / 95°F
- Over 8 months out-life at 20°C / 68°F
- Ideal to reduce transportation, storage and ambient temperature control costs

Staff from Gurit's new sales and technical organisation led by Lance Hill, Sales Director America's as well as members of Gurit Tooling, including Matthew Muhlenkamp, Tooling Sales and Service Manager, Europe and North America and Bing Chen, General Manager Gurit Tooling will be available at the show to discuss Gurit's product portfolio and composite tooling service offering.

Further information is available at [www.gurit.com](http://www.gurit.com).

**Ends**

### **About Gurit**

The companies of Gurit Holding AG, Wattwil/Switzerland, (SIX Swiss Ex-change: GUR) are specialised on the development and manufacture of advanced composite materials, related technologies and select finished parts and components. The comprehensive product range comprises fibre reinforced prepregs, structural core products (man-made materials and balsa wood), gel coats, adhesives, resins and consumables. Gurit supplies global growth markets with composite materials on the one hand and composite tooling equipment, structural engineering and select finished parts on the

other. The global Group has production sites and offices in Switzerland, Germany, the UK, Canada, Spain, Australia, New Zealand, the USA, Ecuador, Brazil, India and China.

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