FURTHER INFORMATION

For more detailed information on structural core materials, as well as the complete Gurit product portfolio, please visit: www.gurit.com

For pricing or other enquiries, please contact guritbalsa@gurit.com

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INTRODUCTION TO BALSAFLEX® LITE

Balsa wood is successfully being used in the wind, marine and industrial markets, based on the materials’ excellent mechanical properties combined with low weight.

In order to further improve the benefits of balsa wood usage, Gurit has now developed the new Balsaflex® Lite product with a novel coating system.

SIGNIFICANT WEIGHT REDUCTION

The Balsaflex® Lite solution is a post-processing application which modifies the external surface of the balsa wood panel while maintaining the products’ excellent mechanical properties, resulting in:

- Reduction of resin uptake in infusion processes by up to 50% for rigid panels
- Reduction of resin uptake in infusion processes by up to 40% for flexible sheets

EXCELLENT MECHANICAL PROPERTIES

Gurit Balsaflex® Lite also offers:

- Superior mechanical properties
- Consistent high wood quality
- Good thermal stability
- Compatibility with epoxy and polyester resin infusion processes used by the industry

SIGNIFICANT WEIGHT REDUCTION

- Reduction of resin uptake in infusion processes by up to 50% for rigid panels
- Reduction of resin uptake in infusion processes by up to 40% for flexible sheets

This allows customers to save cost through reduced resin absorption and to achieve overall weight saving in their application.

REduced Humidity Ingress

In addition, the new Gurit Balsaflex® Lite coating system also has positive effects on humidity ingress. Since balsa wood is a natural resource, the fibre can absorb ambient humidity if not stored in climate-controlled conditions. The new Balsaflex® Lite coating system helps address this humidity variation.

In an environment of 30°C and 90% humidity, Balsaflex® Lite 150 is capable of reducing humidity ingress by up to 30% compared to an uncoated balsa wood panel.

The Balsaflex® Lite solution also maintains excellent adhesion between scrim and panel for further processing.

AVAILABILITY

Gurit Balsaflex® Lite samples are available as of now for Europe and North America. The innovative coating system will be launched to the Asian-Pacific market in the second half of 2018.

Gurit Balsaflex® Lite is supplied in standard sheet size of 610x1220mm (2x4ft), thickness from 6mm up to 50mm and in the existing Balsaflex® density range through the global Gurit network with guaranteed multi-site output.

Qualification of Gurit Balsaflex® Lite is supported by our experienced Technical Support experts.

For further technical information, please consult the Gurit Balsaflex® technical datasheet (TDS).

<table>
<thead>
<tr>
<th>Product</th>
<th>Finishing</th>
<th>Density Core</th>
<th>RU (kg/m²)</th>
<th>Density Infused</th>
<th>SM* (Mpa)</th>
<th>CM* (Mpa)</th>
<th>SM/Dens. Ratio</th>
<th>CM/Dens. Ratio</th>
<th>Factor</th>
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<td>Balsaflex 150 PL / Rigid</td>
<td>150</td>
<td>2.60</td>
<td>254</td>
<td>163</td>
<td>3518</td>
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<td>2.50</td>
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<tr>
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<td>17.9</td>
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</tbody>
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* SM = Shear Modulus; CM = Compressive Modulus