BANOVA FLEX

Light and easy-to-shape

BANOVA FLEX is a highly flexible bending plywood used for curved components. In conjunction with thin facings, small radius can be created with only one layer of BANOVA FLEX, where traditional bending plywood would require two or more layers. Besides being lightweight and environmentally compatible, BANOVA FLEX offers the possibility of using existing woodworking tools as well as established connecting and bonding techniques.

Configurations

Material properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness [mm]</td>
<td>10</td>
</tr>
<tr>
<td>Number of layers</td>
<td>3</td>
</tr>
<tr>
<td>Panel weight [kg/m²]</td>
<td>2</td>
</tr>
<tr>
<td>Min. bending radius [mm]</td>
<td>80</td>
</tr>
<tr>
<td>Size [mm]</td>
<td>1220 x 2440</td>
</tr>
<tr>
<td>Bonding quality</td>
<td>Class 3 according to DIN EN 314, marine grade, water boil proof adhesive (WBP), no added formaldehyde (NAF)</td>
</tr>
</tbody>
</table>

Weight reduction

Less means more

The use of BANOVA FLEX generates a reduction in weight of 50-60% with unvarying properties in use. This improves the benefits for customers in various ways:

- Improve efficiency due to lower operating costs and increased load capacity in vehicles
- Easy to handle in production and logistics
- Large-scale components that are low in weight

50-60% reduction in weight

Poplar: 4.5kg/m²
Ceiba: 4.0kg/m²
BANOVA: 2.0kg/m²

1 BANOVA FLEX - easy to shape
BANOVA FLEX

Processing

BANOVA is wood

As a solid wooden material, BANOVA FLEX does not require any new machines or tools and it can easily be processed by all interior outfitters and cabinetmakers. Furthermore, conventional fastening solutions can be used because BANOVA FLEX does not require any inserts or special fasteners. It is not necessary to change systems when it comes to processing and bonding techniques. Thus BANOVA FLEX offers high savings in not just weight but also costs, without any investment in processing required.

Design of curved components

In contrast to conventional flexible plywood, BANOVA FLEX offers various notable features:

• Fewer layers needed
• Easier to process and less bonding layers
• Smooth and uniform shape with radius of 80mm

Applications

What is not, can still be

Due to its high flexibility and easy processing, BANOVA FLEX is used in a variety of applications:

• Decorative furniture components
• Interior linings
• Doors and sliding walls
• Counters and cabinets
• Partitions and columns

Sustainability

Everyone’s future

3A Composites owns and manages around 10’000 ha of FSC®-certified balsa plantations in Ecuador (Plantaciones de Balsa Plantabal S.A.). Its own cultivation from seedling to the tree ensure sustainable forest management and local manufacturing enables to provide a continuous supply of 100% FSC®-certified products to industrial customers. Ask for certified products.