

## LIGHTEN UP...

...with BANOVA® PLY, the world's lightest plywood made of balsa veneers. Its weight reduction of 50-70% in comparison to conventional wood panels is impressive, as is the high thermal insulation, lamination abilities and of course the sustainability. The high-quality, homogenous structure of BANOVA® PLY allows for very easy processing; this means that existing tools and joining technologies continue to be used efficiently and without changes.

### APPLICATIONS

ANYTHING IS POSSIBLE

BANOVA® PLY fulfills the needs of various markets:

- Furniture and interior fittings
- Interiors for vehicles, yachts, and boats
- Exhibition and shop fitting

BANOVA® PLY can be produced to fulfill various properties, and thus its application is nearly unlimited:

- Mobile furniture
- Feather-light table tops and doors
- Decorative front panels and covers
- Semi structural components

...nearly anything is possible.

### FACE LAMINATES

GOOD THINGS EVEN BETTER

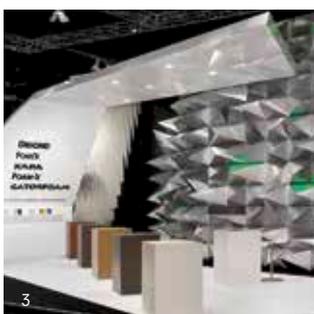
The material properties like stiffness, resilience, impact strength, scratch resistance and appearance can be specifically optimized in combination with various face laminates such as aluminum, solid wood veneer, MDF/HDF, paper or birch plywood.

### SPECIFICATION

BANOVA® PLY

Thickness [mm]	12	15	18	25	30	40
Number of layers	5	5	7	7	7	9
Panel weight [kg/m <sup>2</sup> ]	2.5	3.2	3.9	5.1	6.0	8.0
Dimensions [mm]	1220 x 2440* / 1220 x 3050*					
Bonding quality	DIN EN 314, class 3, „marine grade“ Water boil proof adhesion (WBP) Formaldehyde-free bond (NAF)					

\*Delivered in oversized format: 1240 x 2460 mm or 1240 x 3070 mm.



## WITH BANOVA® PLY IT'S...

### ...LIGHTER

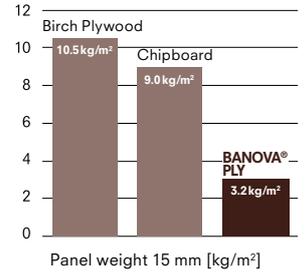


#### LESS WEIGHT

By using BANOVA® PLY, a weight reduction of 50-70% can be achieved in comparison to conventional wood panels, with comparable mechanical properties.

#### YOUR ADVANTAGES

- Higher efficiency of the final product due to lower operating costs and increased payload
- Less stress and dynamic impact to hinges and fittings
- Pleasant, easy handling in production and logistics
- Large-sized components with lower weight



### ...FASTER



#### EASY PROCESSING

BANOVA® PLY is a solid wood material; processing does not require special machines or tools as it may be the case with other lightweight composite panels. Even conventional joining techniques can easily be used.

#### YOUR ADVANTAGES

- No investment for new specific tools and equipment
- Existing know-how and existing work procedures can be used
- Up to 30% faster processing (e.g. laser cutting or milling)
- Unbeatable bonding qualities on edges and surfaces



### ...MORE FLEXIBLE



#### TAILORING PRODUCTS

BANOVA® PLY is not one single product but it is a growing family of products with various properties. If you can't find your perfect fit we will help you search for new solutions.

#### YOUR ADVANTAGES

- Potential cooperation to develop your BANOVA® PLY solution
- True innovation due to unique, adaptable material properties
- Variable use as a solid wood material that allows to reduce product variability as well as optimize inventory volumes



### ...BETTER

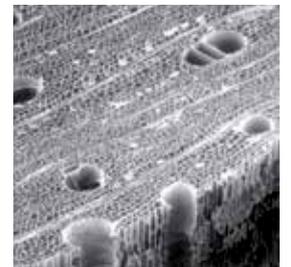


#### BEST PROPERTIES

The low density of the balsa wood is the root for different, unique properties of BANOVA® PLY.

#### YOUR ADVANTAGES

- Best thermal insulation with no thermal bridges
- High end bonding with no gaps, water-boil-proof (WBP) and free of formaldehyde (NAF)
- Excellent penetration of adhesives into the wood structure allows optimal joining on edges and surfaces
- High dimensional stability due to cold production process with anhydrous adhesive
- As a solid and stiff panel core, BANOVA® PLY provides better haptic properties and thus a higher value to the finished component



### ...MORE NATURAL



#### SUSTAINABLE PRODUCTION

As the world's largest producer of balsa wood we feel obligated to maintain this miracle of nature in a sustainable way – for everyone's benefit! This is also the reason why we own and cultivate several thousands of hectares FSC®-certified balsa plantations in Ecuador (FSC®-C019065).

#### YOUR ADVANTAGES

- Consistently high quality due to seamlessly monitored manufacturing process
- Sustainable, climate-neutral resource
- Formaldehyde-free bonding for a healthy room climate