



# BANOVA PLY

## Light and strong

BANOVA PLY is a lightweight plywood consisting of adhesively bonded balsa veneers. Owing to the varying panel thicknesses, processing variants and its combination with different facings, it is extremely versatile in use. Besides being lightweight and environmentally compatible, BANOVA PLY offers the possibility of using existing woodworking tools as well as connecting techniques.

## Configurations

### Material properties

Thickness [mm]	12	15	18	25	30	40
Number of layers	5	5	7	7	7	9
Panel weight [kg/m <sup>2</sup> ]	2.9	3.2	4.4	5.4	6.5	8.2
Size [mm]	1220 x 2440					
Bonding quality	Class 3 according to DIN EN 314, marine grade, water boil proof adhesive (WBP) no added formaldehyde (NAF)					



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1 BANOVA PLY in various configurations

## Facings

### Something good made even better

BANOVA PLY is available with different faces for different purposes.

Product	Description
BANOVA PLY	BANOVA PLY is a lightweight plywood that is exclusively made from balsa veneers.  Balsa face (1220 x 2440)
BANOVA PLY ILO	BANOVA PLY ILO is a balsa veneer based lightweight plywood with ilomba hardwood faces. The hardwood faces enhance the surface resistance and the rigidity of the panel. The smooth and even faces make it a good base for overlaying with ultra thin decorative papers and foils. This finish is broadly used in the caravan and RV industry.  Ilomba face (2440 x 1220)

Independent panel overlayers offer additional facings in order to answer customer needs. When combined with facings such as aluminium, decorative hardwood veneers, HDF or birch plywood, the properties of the material can be specifically optimised in terms of rigidity, load-bearing capacity, impact resistance, scratch resistance and visual appearance.



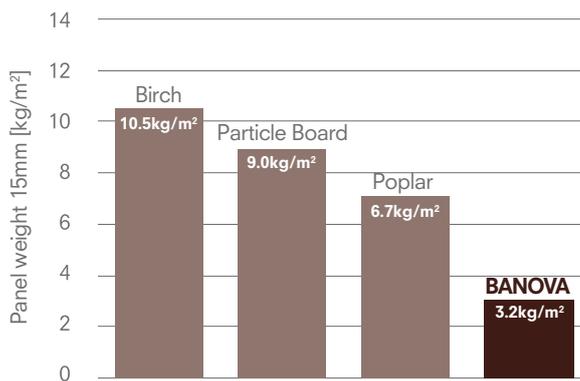
## Weight reduction

### Less means more

The use of BANOVA PLY generates a reduction in weight of 50-70% with unvarying mechanical properties. This improves the benefits for customers in various ways:

- Greater 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

### 50-70% reduction in weight



## Applications

### What is not, can still be

Just as BANOVA PLY can be produced with the most diverse properties, there are also hardly any restrictions when it comes to using them.

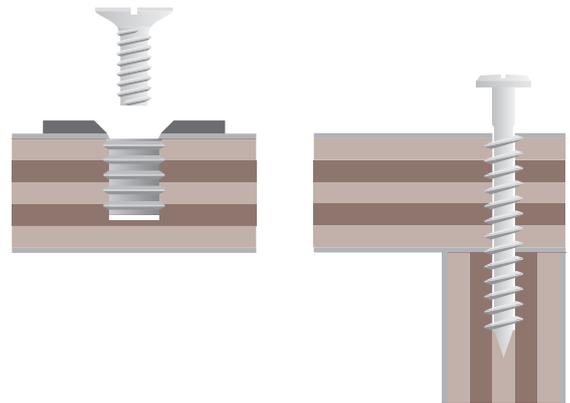
- Fronts, desktop and body parts of furniture
- Panelling and cladding
- Floor panels
- Structural components
- Industrial applications

## Processing

### BANOVA is wood

As a solid wooden material, BANOVA PLY does not require any special machines or tools and it can easily be processed by all interior outfitters and cabinetmakers. Furthermore, conventional fastening solutions can be used because BANOVA PLY does not require any inserts or special fasteners.

### Use of conventional assembling solutions



## 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.



The mark of responsible forestry