BANOVA
GROWN LIGHT · MADE STRONG

Lighten Up!

BANOVA® Light furniture design

strasserthun.

Application BANOVA® PLUS

Table INTARSIO with an Alu-sandwich cored with BANOVA®

Folding screen with solid BANOVA® inside

Benefit

The structure made from BANOVA® in the core has the same weight as shown for lightweight structures cored with honeycomb or foam.

BANOVA® is a solid wood panel and thus the ONE practical lightweight solution for woodworkers.

Advantages

- Light and flexible furniture
- High form stability
- Easy manufacturing from design to delivery:
  - Unchanged design and manufacturing procedures
  - Increased performance in cutting and routing
  - Easy handling

3A COMPOSITES

BANOVA

BANOVA® Lightweight folding table

Application BANOVA® PLUS

Light and solid tabletop with scratch resistant HPL surface for movable folding table

Weight benefit

25 mm blockboard
with HDF faces

11,1 kg/m^2 (440 kg/m^3)

25 mm BANOVA® PLUS

5,1 kg/m^2 (205 kg/m^3)

Weight reduction: 5,9 kg/m^2 = up to 10 kg/table

Advantages

- Light and solid tables can be moved, folded and mounted by only one person
- High form stability = low warping
- Easy processing and solid fastening with screws into the panel core

3A COMPOSITES

BANOVA

BANOVA® Lightweight interior in motorhomes

Application BANOVA® PLUS

Lightweight panel with CPL or HPL decor for versatile interior applications

Weight benefit

15 mm Poplar ply	15 mm BANOVA® PLUS
6,6 kg/m^2 (440g/m^3)	3,5 kg/m^2 (230kg/m^3)

40 - 50% lighter furniture

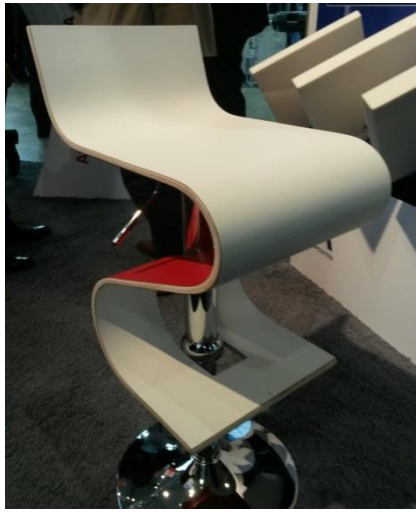
75 kg weight reduction per vehicle

Advantages

- Registration within 3.5 t weight limit with relevant spare payload (+75 kg)
- Additional outfitting options (battery, upscale of water- and fuel tank, HIFI equipment, etc.)
- Fuel saving
- High value, solid quality interior

BANOVA® Lightweight seating furniture

GAUGLER & LUTZ OHG
DIE KERNKOMPETENZ



Application BANOVA® SUPERFLEX

Light molded furniture as eye catcher and meeting point at the fair with various face options as e.g. HPL, HDF, plywood or wood veneers

Weight benefit

Ceiba bending plywood	BANOVA® SUPERFLEX
400 kg/m³ (3-6 mm)	250 kg/m³ (10 mm)

40 % lighter and inherently stable components

Advantages

- The simple design with only 1-2 core layers reduces production cost relevantly
- Design freedom thanks to high and homogenous flexibility
- High form stability thanks to low stiffness and very limited memory effect
- Homogenous layup causes smooth surfaces

3A COMPOSITES

BANOVA

BANOVA® Ship and yacht interiors

KUIPER Plaatveredeling

Application BANOVA® PLUS

Light and solid cabinets, walls and claddings faced with scratch resistant HPL

Weight benefit

18 mm okumé ply

9 kg/m^2 (500 kg/m^3)

18 mm BANOVA® PLUS

4,5 kg/m^2 (250 kg/m^3)

Weight reduction: 4,5 kg/m^2 = 50 % lighter

Advantages

- Better cruising stability makes a faster and more comfortable travel
- Less fuel consumption
- Easy production without adjustment of design details and production procedures
- High form stability – Low warping of self-contained components as doors and flaps

3A COMPOSITES

BANOVA

BANOVA® Yacht interiors

Application BANOVA® PLUS

Light and solid cabinets and dividing walls and claddings covered with FRP

Weight benefit

18 mm okumé ply

9 kg/m^2 (500 kg/m^3)

18 mm BANOVA® PLUS

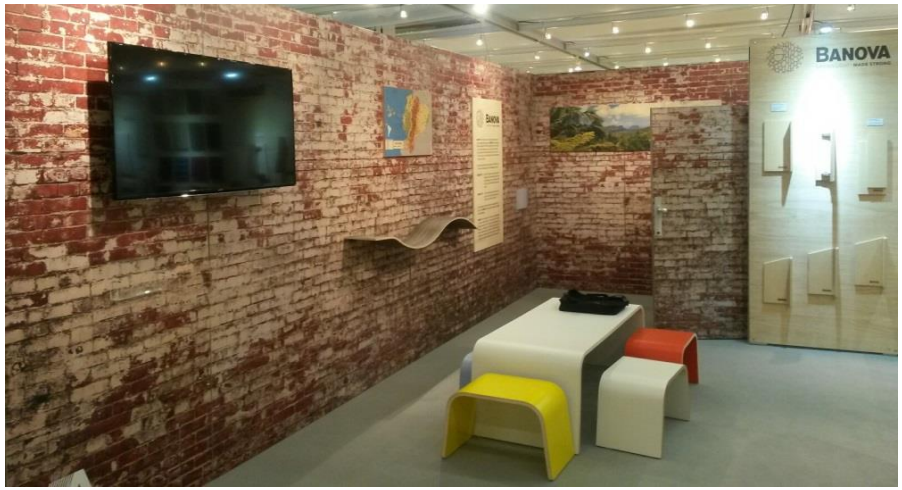
4.5 kg/m^2 (250 kg/m^3)

Weight reduction: 4,5 kg/m^2 = 50 % lighter

Advantages

- Better cruising stability makes a faster and more comfortable travel
- Less fuel consumption
- Easy production without adjustment of design details and production procedures
- High form stability – Low warping of self-contained components as doors and flaps

BANOVA® Furniture and walls for expositions



Application BANOVA® PLUS + SUPERFLEX

Complete outfittings of exhibition booths with walls, dividers and furniture, especially for suspended and formed components

Weight benefit

MDF, chipboard, etc.	BANOVA®
5 – 700 kg/m^3	200 – 250 kg/m^3

50 - 70% weight reduction in general

Advantages

- Pre-fabrication of large, yet light modules for fast mounting and dismounting
- Easy transport and handling
- Cost reduction triggered by less weight to suspension bolts
- Less damage during installation, dismounting, handling and transport
- Unchanged design and manufacturing processes

BANOVA® Exhibit for roadshow

Application BANOVA® SUPERFLEX

Light form components made from a wood framework with BANOVA® SUPERFLEX as a shell

Weight benefit

Ceiba bending plywood	BANOVA® SUPERFLEX
400 kg/m^3 (3-6mm)	250 kg/m^3 (10mm)

40 % lighter for inherently stable components

Advantages

- Easy processing and shaping of BANOVA® layers on wooden framework, but still stable surfaces
- Light components for easy mounting, handling and transport
- Easy surface treatment on homogenous shape

3A COMPOSITES

BANOVA

BANOVA® Sustainable presentation

Application BANOVA® DIGITAL

The natural surface of BANOVA® DIGITAL is being directly printed with designs and cut to square size free form.

Weight benefit

BANOVA® DIGITAL is the lightest plywood on the world and has less then half the weight of any other solid wood based panel.

Advantages

- Very flat for best printing quality
- Natural wood surface for sustainable promotion and presentation
- Easy processing and fastening to surface and edges
- Natural wood, free of formaldehyde bond (NAF)

3A COMPOSITES

BANOVA

BANOVA® on stage

Application BANOVA® PLUS + SUPERFLEX

Theater designs and movable furniture, walls and components on stage

Weight benefit

BANOVA® PLUS has half the weight of the conventional wood panels (12 x 1220 x 3050mm):

BANOVA® PLUS	= 9,3 kg
Poplar plywood	= 19 kg

Advantages

- Easy transport, handling and mounting of panels by only one person
- Bigger components for quick stage setting changes
- Easy application of fabric, paint, wallpaper etc.
- Easy and quick processing with hand and power tools like jigsaw and circular hand saw. Quick and simple to amend.

3A COMPOSITES

BANOVA®

BANOVA® more applications

Sliding doors and walls

- Easy support
- Great form stability and acoustic properties

Large swinging doors

- Lighter hardware
- Great form stability
- Acoustic damping

Exhibition booth and POS

- Light and large components
- Suspended structures and displays

BANOVA® more applications

Counters and desks

- Large modules for flexible moving and fast mounting

Shelves and cabinets

- Stiff panels with minimal creep for long spans
- Flexible, mobile, individual and easy to process

Ceiling elements

- Large sized components
- Easy to suspend
- Flat and stable