



PAULOWNIA

-
The wood of the future



GREENMAP

wood is our soul

FEATURES



FAST GROWTH

4-6 meters 1st year



SUSTAINABLE

Absorbs 10 times more CO2 than any other kind of species



DRYING

Reduced drying time



FINE AND SOFT GRAIN

Accepts very well paints, varnishes and adhesives



RESISTANT

Great resistance to moisture and rot



LIGHT

The "aluminum" of the woods



DIFFICULT COMBUSTION

Ideal for fireproof door base



INSULATING

Thermal and acoustic

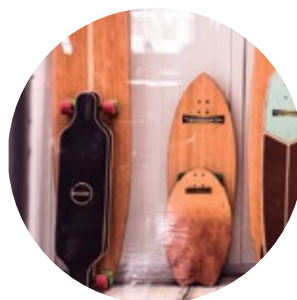


SOME UTILITIES



FURNITURE

Paulownia wood is an ideal choice for the manufacturer of quality furniture and cabinetmaking.



SURF, KITESURF OR SKI

This is a field where this kind of wood raising great passions



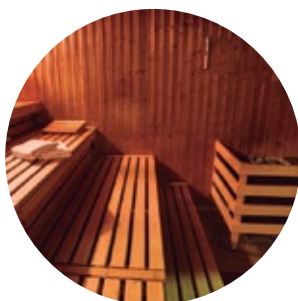
BOATS, CARS OR LIGHT AIRCRAFTS

Construction of boats and other means of transport like cars or light aircrafts



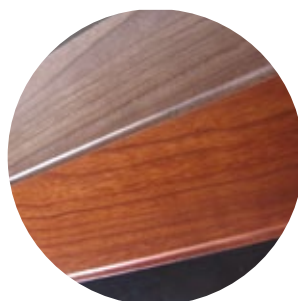
DOORS

Core and/or coating.
Household and garage doors



SAUNAS

Very useful thanks to its natural resistance to moisture



SPECIAL

Funeral sector



PACKAGING

Ideal for all types of boxes and containers

PAULOWNIA EDGE GLUED BOARD

TECHNICAL DATASHEET

ORIGIN

China



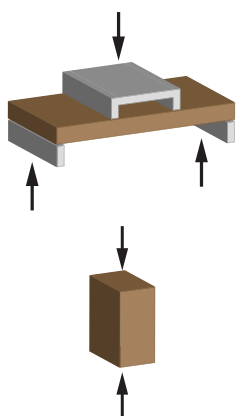
DESCRIPTION OF THE WOOD

- Sapwood: White.
- Heartwood: Greyish yellow with pink highlights
- Wood Fibers: Straight. No knots.
- Wood Grain: Fine and smooth

PHYSICAL PROPERTIES*

- Apparent density at 12% humidity 270 Kg/m³. Very light wood.
- Dimensional stability
 - Volumetric contraction coefficient 0.14 %. Little nervous wood.
 - Higrscopicity of 0,0027 Kg/m³

MECHANICAL PROPERTIES*



- Resistance to static bending: 344 kg/cm²
- Modulus of Elasticity: 31.962 kg/cm²
- Resistance to axial compression: 236 kg/cm²

GLUE QUALITY*

- SWP/3 Exterior Environment according to the standard UNE EN 13354:2009

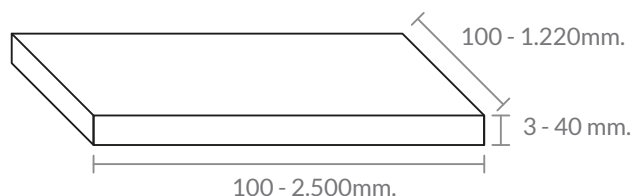
IMPREGNABILITY

- Sapwood = impregnable
- Heartwood = impregnable

MECHANITIZATION

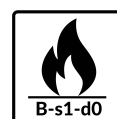
- Sawed-off without problems.
- Drying time: very fast.
- Brushed: without problems.
- Gluing: without difficulties.
- Nailed and screwed: easy.
- Finished: no difficulties.

MEASURES



CERTIFICATIONS

Samples tested by
INCAFUST



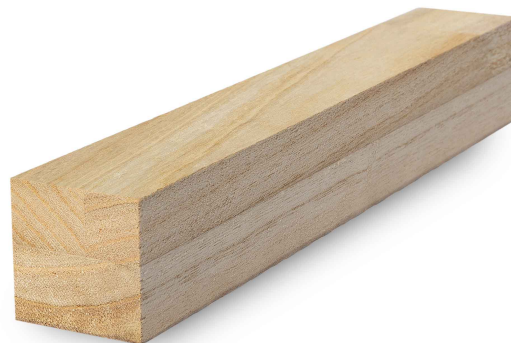
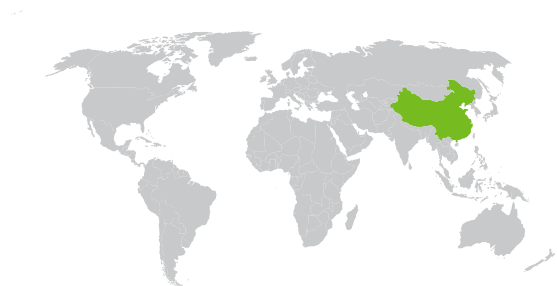
* Tests conducted by INCAFUST-CTFC

PAULOWNIA BATTENS

TECHNICAL DATASHEET

ORIGIN

China



DESCRIPTION OF THE WOOD

- Sapwood: White.
- Heartwood: Greyish yellow with pink highlights
- Wood Fibers: Straight. No knots.
- Wood Grain: Fine and smooth
- Durability: High.

PHYSICAL PROPERTIES*

- Apparent density at 12% humidity 270 Kg/m³.
Very light wood.
- Dimensional stability
 - Volumetric contraction coefficient 0.14 %.Little nervous wood.
- Hignoscipicity of 0,0027 Kg/m³

MEASURES



BONDING QUALITY*

- SWP/3 Outdoor according to the standard UNE EN 13354:2009.

IMPREGNABILITY

- Sapwood = impregnable

TREATMENT

- Autoclave:
 - Organic (colorless). Solvent or water.
 - Water-soluble salts (green).
 - Flame retardant salts (colorless).
- Painted. Wood stains, varnishes, etc.

CERTIFICATIONS

Samples tested by
INCAFUST



* Tests conducted by INCAFUST-CTFC

PAULOWNIA PLYWOOD

TECHNICAL DATASHEET

ORIGIN

China



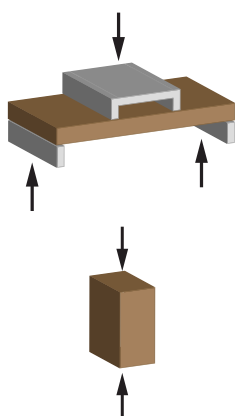
SPECS

- Knot-free faces
- Surface sanded and brushed
- Great dimensional stability
- Indoor and outdoor use

PHYSICAL PROPERTIES*

- Apparent density at 12% humidity 290 Kg/m³.
Very light wood.

MECHANICAL PROPERTIES*



- Resistance to static bending: 243 kg/cm²
- Modulus of Elasticity: 24.915 kg/cm²
- Resistance to axial compression: 126 kg/cm²

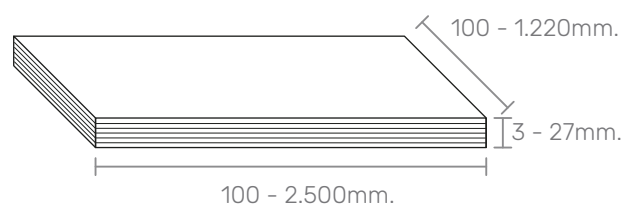
FORMALDEHYDE*

- Formaldehyde emission class 1 according to UNE EN 717-2.

MECHANITZATION

- Sawed-off without problems
- Drying time: very fast.
- Brushed: without problems.
- Gluing: without difficulties.
- Nailed and screwed: easy.
- Finished: no difficulties.

MEASURES



CERTIFICATIONS

Samples tested by **INCAFUST**

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BOPA CAMPER

DATA SHEET



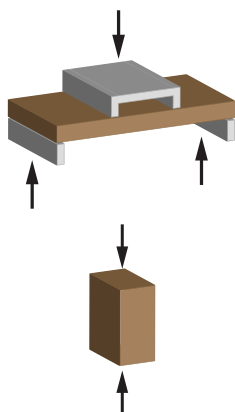
SPECIFICATIONS

- Core: Paulownia.
- Exterior: Poplar.
- Finishes: HPL, melamine or natural veneer.

PHYSICAL PROPERTIES*

- Apparent density at 12% humidity 329 Kg/m³. Ultralight wood.

MECHANICAL PROPERTIES*



- Static bending resistance: 127 kg/cm²
- Modulus of elasticity: 11,372 kg/cm²
- Resistance to axial compression: 216 kg/cm²

* Tests conducted by INCAFUST-CTFC

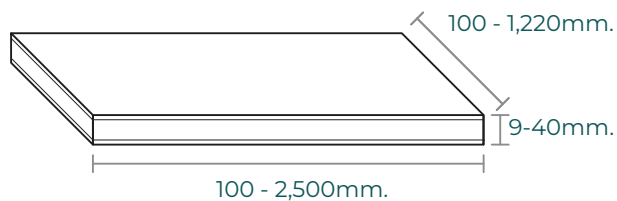
FORMALDEHYDE*

- Class E1 formaldehyde emission according to the UNE EN 717-2 standard.

MECHANIZATION

- Sawing: no problems.
- Drying: very fast.
- Brushed: no problems.
- Gluing: without difficulties.
- Nailing and screwing: easy.
- Finish: without difficulties.

MEASURES



CERTIFICATIONS

Samples tested by
INCAFUST 

PAULOWNIA PROJECTS

GALLERY



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