



PAULOWNIA

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The wood of the future



GREENMAP

wood is our soul

# FEATURES

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## 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





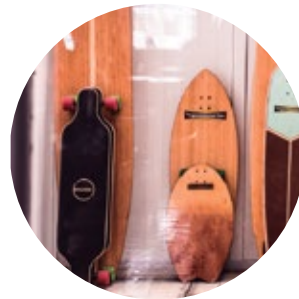
# SOME UTILITIES

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## 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



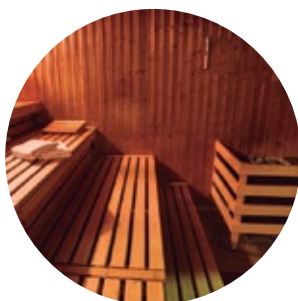
## BOATS, CARS OR LIGHT AIRCRAFTS

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



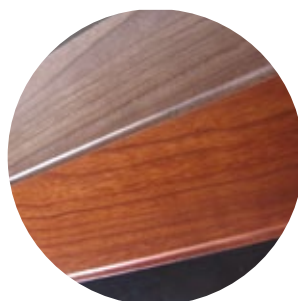
## DOORS

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



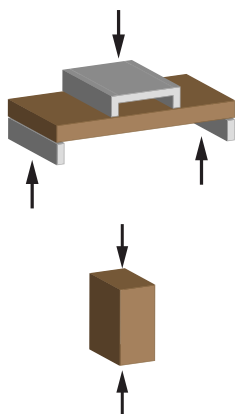
### DESCRIPTION OF THE WOOD

- 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/m<sup>3</sup>. Very light wood.
- Dimensional stability
  - Volumetric contraction coefficient 0.14 %. Little nervous wood.
  - Higrscopicity of 0,0027 Kg/m<sup>3</sup>

### MECHANICAL PROPIERTIES\*



- Resistance to static bending: 344 kg/cm<sup>2</sup>
- Modulus of Elasticity: 31.962 kg/cm<sup>2</sup>
- Resistance to axial compression: 236 kg/cm<sup>2</sup>

\* Tests conducted by INCAFUST-CTFC

### DURABILITY

- High

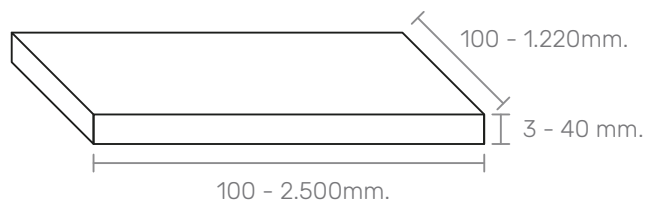
### IMPREGNABILITY

- Sapwood = impregnable
- Heartwood = impregnable

### MECHANITZATION

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

### MEASURES



### CERTIFICATIONS



The mark of responsible forestry

Samples tested by **INCAFUST**

# SANDWICH PANEL

## TECHNICAL DATASHEET

### ORIGIN

China



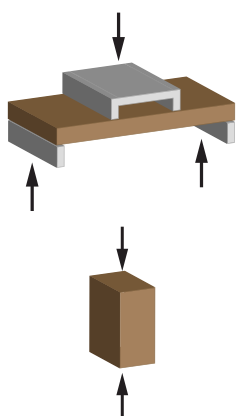
### SPECS

- Core: Paulownia.
- Faces: Poplar.
- Finished: melamine or natural veneer.

### PHYSICAL PROPERTIES\*

- Apparent density at 12% humidity 329 Kg/m<sup>3</sup>.  
Very light wood.

### MECHANICAL PROPERTIES\*



- Resistance to static bending:  
127 kg/cm<sup>2</sup>
- Modulus of Elasticity:  
11.372 kg/cm<sup>2</sup>
- Resistance to axial  
compression: 216 kg/cm<sup>2</sup>

\* Tests conducted by INCAFUST-CTFC

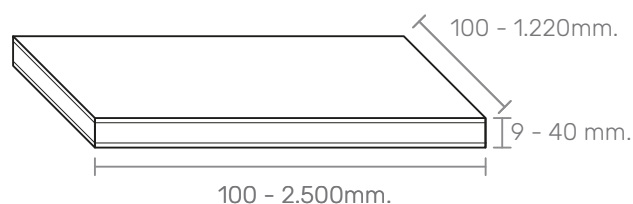
### FORMALDEHYDE\*

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

### MECHANITIZATION

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

### MEASURES



### CERTIFICATIONS



The mark of  
responsible forestry

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**INCAFUST**

# PAULOWNIA PLYWOOD

## TECHNICAL DATASHEET

### ORIGIN

China



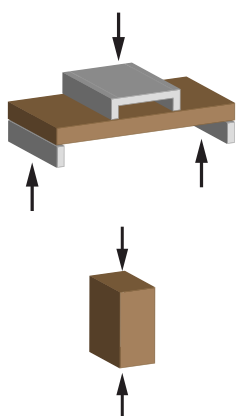
### SPECS

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

### PHYSICAL PROPERTIES\*

- Apparent density at 12% humidity 290 Kg/m<sup>3</sup>.  
Very light wood.

### MECHANICAL PROPERTIES\*



- Resistance to static bending: 243 kg/cm<sup>2</sup>
- Modulus of Elasticity: 24.915 kg/cm<sup>2</sup>
- Resistance to axial compression: 126 kg/cm<sup>2</sup>

\* Tests conducted by INCAFUST-CTFC

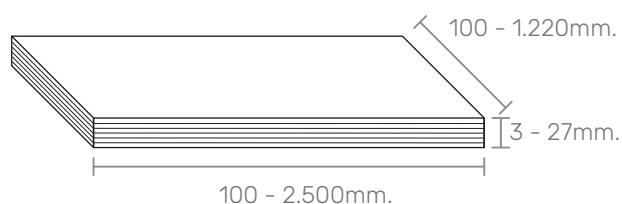
### FORMALDEHYDE\*

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

### MECHANITIZATION

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

### MEASURES



### CERTIFICATIONS



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(+34) 687 201 740

(+34) 650 254 115

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PLAÇA PATI DE VELA 2 08912,  
BADALONA (BARCELONA)

-  
[hola@greemap.es](mailto:hola@greemap.es)

[www.greemap.es](http://www.greemap.es)



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