



BAMBOO GUADUA SOLID WOOD DATA SHEET

Bamboo Guadua wood is the most environmentally friendly alternative as it does not cause massive deforestation when harvested. Unlike other timber species, which clear-cut vast land terrains for their harvesting, in Bamboo Guadua forests, only the mature culms, which account for no more than 15% of the total bamboos, are extracted. This sustainable harvesting practices preserve and safeguard flora and fauna of the Bamboo Guadua forests; maintaining and promoting Guadua forest's functions as hydric protection, CO₂ absorption, and oxygen production.

Bamboo Guadua wood, the green option.

General characteristics:

- **BAMBOO GUADUA SOLID WOOD** made of jointless slats. (SWP-NC: Solid Wood Panel – Non-Cuts). The former gives structural properties to our boards.
- Maximum format: 265 cm x 130 cm. Different thicknesses from 10mm until 150mm.
- Bamboo Guadua wood is classified as a **hardwood**, due to its strong longitudinal fibers.
- **Immunized** in autoclave using non-polluting methods
- **Chambered dried wood**. Before press operations, we guarantee humidity levels are below 8%.
- Plywood boards that provide excellent dimensional stability (Multilayers with perpendicular fibers).
- All of our products are sanded and calibrated.
- Type C4 adhesives. (Suitable for indoors, supports long and frequent exposures to liquid water or water vapor. Suitable for outdoor use when no directly exposed to atmospheric conditions as rain and solar radiation)
- As with all other wood types, Bamboo Guadua wood must be protected with a surface finish that seals all pores.
- Bamboo Guadua is suited to receive all types of wood finish, including wood stains.
- In fire situations they slow down flame spread and generate minimum smoke.
- Thanks to it's strong longitudinal fibers it is naturally armored.

Uses :

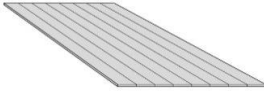
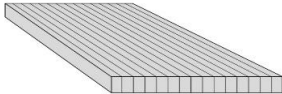

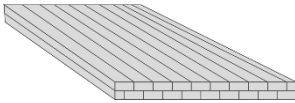
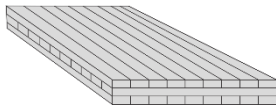

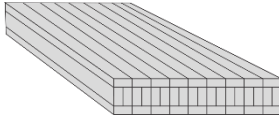
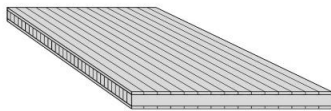
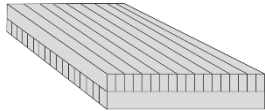

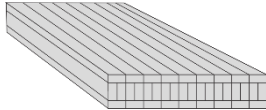
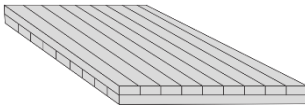

Front and interior doors, cabinets and kitchen counters, closets, table's surfaces, and other types of furniture

Mechanical properties: (Mean Values of the Colombian Guadua biotypes used: Macana, Cebolla, and Castilla)

PROPERTY	UNITS	RADIAL DIRECTION	TANGENTIAL DIRECTION	STANDARD
DENSITY	Kg/mt ³	750,0	750,0	ASTM D2395-14
FLEXION- MOE	MPa.	17.200,0	18.300,0	DIN 52 186 – Sample 26cm
FLEXION- MOR	MPa.	160,0	162,0	DIN 52 186 – Sample 26cm
IMPACT	Joul	6,2	7,0	ASTM E23
BRINELL HARDNESS	HB	54,3	44,80	ASTM E10
HUMIDITY (COMMENT 1)	%	14%		

Comment 1: Our products' shipment humidity corresponds to the equilibrium humidity with our manufactory environment located in the municipality of Alcalá (Valle del Cauca, Colombia).

DEL BAMBÚ S.A.S. Calle 5 # 1 – 100. Alcalá (Valle Del Cauca).
www.delbambu.com info@delbambu.com comercial@delbambu.com

REFERENCE	Measures (mm)	Characteristics	Illustration	Photo
TSG-CH-1-10H	W=1300 L=2650 Thk=10	No Contrachapado One (1) layer Structure: H Veta a la Vista: H		
TSG-CH-1-20V	W=1300 L=2650 Thk=20	No Contrachapado One (1) layer Structure: V Veta a la Vista: V		
TSG-CH-2-20H	W=1300 L=2650 Thk=20	No Contrachapado Two (2) layers Structure: H/H Veta a la Vista: H		
TSG-CC-3-30H	W=1300 L=2650 Thk=30	Contrachapado Three (3) layer Structure: H/H/H Veta a la Vista: H		
TSG-CH-3-40H	W=1300 L=2650 Thk =10	No Contrachapado Three (3) layer Estructura: H/V/H Veta a la Vista: H		
TSG-CC-3-40H	W=1300 L=2650 Thk =10	Contrachapado Three (3) layer Estructura: H/V/H Veta a la Vista: H		
TSG-CC-2-40V	W=1300 L=2650 Thk =10	Contrachapado Two (2) layers Estructura: V/V Veta a la Vista: V		
TSG-CH-3-45H	W=1300 L=2650 Thk =10	No Contrachapado Three (3) layer Estructura: H/V/H Veta a la Vista: H		
TSG-CC-3-20H	W=1300 L=2650 Thk=10			
TSG-CC-3-45H	W=1300 L=2650 Thk =10	Contrachapado Three (3) layer Estructura: H/V/H Veta a la Vista: H	