

# TECHNICAL DATA SHEET



**tablex**

TYPE: H1 Hydro-tempered

## DEFINITION

Tablex is 'pure wood', as it is made from wood, using the thermoplastic properties of lignin as natural glue. The technical class is Hardboard (HB) for general use in dry conditions with improved moisture resistance and hydrophobic.

## SPECIFICATIONS

Properties	Reference Test	Units	Thickness (mm)		
			3,2	4,8 to 5,4	6,0 to 6,4
<b>Tolerances on nominal dimensions:</b>					
Thickness	EN 324-1	mm	$\pm 0,3$	$\pm 0,5$	$\pm 0,7$
Length and Width	EN 324-1	mm/m	$\pm 2$ (5 mm máx.)	$\pm 2$ (5 mm máx.)	$\pm 2$ (5 mm máx.)
Squareness	EN 324-2	mm/m	$\leq 2$	$\leq 2$	$\leq 2$
Density*	EN 323	Kg/m <sup>3</sup>	$\geq 940$	$\geq 975$	$\geq 1000$
Moisture Content	EN 322	%	5 - 9	5 - 9	5 - 9
Swelling in Thickness 24h	EN 317	%	$\leq 20$	$\leq 16$	$\leq 10$
Water absorption 24 h	EN 317	%	$\leq 25$	$\leq 20$	$\leq 18$
Tensile Strength	EN 319	N/mm <sup>2</sup>	$\geq 0,90$	$\geq 1,00$	$\geq 1,20$
Bending Strength	EN 310	N/mm <sup>2</sup>	$\geq 31$	$\geq 35$	$\geq 40$

\*Characteristic value

Values based on Standard **EN 622-2** and **EN 13986**.

Note: The dimensional characteristics may change according to the time and storage conditions

## FORMALDEHYDE CONTENT

No glues are added in the manufacture of Tablex fiberboard. The fiber particles are bonded through the lignin contained in the wood. The emission of formaldehyde from these boards is therefore similar to the levels of natural wood.

## REACTION TO FIRE

Hardboard with minimum density of 900 kg/m<sup>3</sup> and a minimum thickness of **6 mm** is classified according to the EN 13986 Standard for reaction to fire **Class D-s2,d0**, at the end use condition defined by this Standard.

Hardboard with minimum density of 900 kg/m<sup>3</sup> and a thickness of between **3 and 6 mm** is classified according to the Commission Decision of 15 May 2007 amending Decision 2003/43/EC for reaction to fire **Class E**, in any end use condition.

## BETANZOS HB S.L.

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Rev.: 01-12/2021

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### WOOD RAW MATERIAL

Trademark and type of board:	TABLEX, Hardboard (HB)
Type of Wood:	Round wood.
Mix of species:	> 90% Eucalyptus Spp; the rest: other hardwood.
Wood origin:	Spain, more than 99% from Galicia, the rest from Asturias.

BETANZOS HB holds an FSC® and PEFC Chain-of-Custody Certification System.  
Tablex is supplied FSC® and PEFC certified, upon request.

### ADVICE FOR STORAGE AND HANDLING

It is recommended that the board be used in a dry environment, characterized by a temperature of 20°C and 65% relative humidity. Sudden changes in these conditions can affect the quality of hardboards. Hardboards should therefore be stored, protected from humidity and temperature changes, on a flat surface. Any alteration in the original packaging should be corrected as soon as possible.

### BENEFITS

Tablex is a **highly durable biomaterial** made from wood which in addition to being a renewable resource, also acts as a **carbon sink** throughout its life cycle. The CO<sub>2</sub> trapped during the tree's growth remains stored throughout the product's lifespan, contributing to **slowing down climate change**.

### SUSTAINABLE

Tablex is made from **wood**, using lignin as **natural glue** for fibers, instead of petroleum-based glues. Our raw material comes from the rejects of the forest industry and, at the end of its life time, Tablex can be reused, recycled or recovered, making the **circular economy** a reality. In addition, it is a **very versatile** material, which can be used for manufacturing furniture, decorating items, floors, ceilings, internal soundproofing and for construction.

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*CE certified product in accordance with the EN 13986 standard and manufactured in facilities certified according EN ISO 9001.*

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