

## TYPE: H1 Hydro-tempered

### DEFINITION

Wooden fiberboard high density (Hardboard), non-structural use. Thanks to a special treatment, H1 Hydro Tempered Hardboard has a high humidity resistance compare to standards hardboards.

### APPLICATIONS

internal wall or roof linings, signs, fascias, flooring underlay, doors, special packaging, partitions, substrate for coating with veneer, melamine, and other applications...

### GENERAL SPECIFICATIONS

Properties	Reference Test	Units	Thickness (mm)	
			3.2	4.8
Density	EN 323	Kg/m <sup>3</sup>	≥ 940	≥ 975
Thickness	EN 324-1	mm	± 0.3	± 0.5
Length and Width	EN 324-1	mm/m	± 2	± 2
Squareness	EN 324-2	mm/m	≤ 2	≤ 2
Moisture Content	EN 322	%	5 - 9	5 - 9

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

### PHYSICAL AND MECHANICAL PROPERTIES

Properties	Reference Test	Units	Thickness (mm)	
			3,2	4,8
Bending Strength	EN 310	N/mm <sup>2</sup>	≥ 35	≥ 42
Internal Tensile Strength (Bond)	EN 319	N/mm <sup>2</sup>	≥ 1,0	≥ 1,3
Water absorption 24 h	EN 317	%	≤ 25	≤ 20
Swelling in Thickness 24h	EN 317	%	≤ 20	≤ 16
Surface Absorption	EN 382-2	g/m <sup>2</sup>	< 100	< 100

### BETANZOS HB S.L.

Ctra. Betanzos-Santiago, Km 3 15300 BETANZOS A Coruña. SPAIN  
 CIF: B-87155768 ☎ TEL: +34 981 77 98 00 📠 FAX: +34 981 77 98 12

## TYPE: H1 Hydro-tempered

Note: Values based on **Standard EN 622-2: Fibreboards - Specifications - Part 2: Requirements for hardboard**. Type HB.

### WOOD RAW MATERIAL

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

BETANZOS HB holds a Chain of Custody of forest based products Control System certified in accordance with PEFC and FSC requirements. **tablex** is supplied PEFC or FSC certified, upon request.

### FORMALDEHYDE CONTENT

In the manufacture of hard fiberboard **tablex** here is not any glue containing formaldehyde added. Fiber particles are bonded through the lignin contained in the wood. Therefore, the emission of free formaldehyde of these boards is similar to the levels of natural wood.

### REACTION TO FIRE

Hard fibreboard **tablex** with minimum density of 900 kg/m<sup>3</sup> and a minimum thickness of 6 mm are classified according to the EN 13501-1 Standard for reaction to fire as **D-s2,d0**.\*

\*Reference EN 13986.

### STORAGE AND HANDLING ADVICE

Board recommended for using in dry environment. This environment is characterized by a temperature of 20°C and 65% relative humidity, sudden changes of these conditions can affect the quality of the hardboards. Therefore, the hardboards should 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.

### BETANZOS HB S.L.

Ctra. Betanzos-Santiago, Km 3 15300 BETANZOS A Coruña. SPAIN  
CIF: B-87155768 ☎ TEL: +34 981 77 98 00 📠 FAX: +34 981 77 98 12