

DEFINITION

Wooden fiberboard high density (Hardboard) printed by applying paint with roller for use in dry environment. At the end of the process, a UV-topcoat is used to protect the printed area against water and different chemicals.

APPLICATIONS

Cupboards backs, drawer bottoms, compound panels, packaging, boards, interior decoration.

MEASURES AND THICKNESS STANDARDS

Check the dimension table on our website: www.betanzoshb.es

COLORS COLLECTION, DESIGNS AND FINISHING

We have a large variety of plain colors, wood grain designs and finishing available. We also offer the possibility of matching any design, upon request.

GENERAL SPECIFICATIONS AND PHYSICALS AND MECHANICALS PROPERTIES

Properties	Reference Test	Units	Thickness (mm)		
			≤ 3.5	> 3.5 to 5.5	> 5.5
Tolerances on nominal dimensions:					
Thickness	EN 324-1	mm	± 0.3	± 0.5	± 0.7
Length and Width	EN 324-1	mm/m	± 2 (up to 5 mm)	± 2 (up to 5 mm)	± 2 (up to 5 mm)
Squareness	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2
Moisture Content	EN 322	%	4 - 9	4 - 9	4 - 9

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

Properties	Reference Test	Units	Thickness (mm)		
			≤ 3.5	> 3.5 to 5.5	> 5.5
Bending Strength	EN 310	N/mm ²	≥ 30	≥ 30	≥ 30
Tensile Strength	EN 319	N/mm ²	≥ 0.50	≥ 0.50	≥ 0.50
Swelling in Thickness 24h	EN 317	%	≤ 37	≤ 30	≤ 25

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

FORMALDEHYDE CONTENT

In the manufacture of hard fiberboard **tablex** there 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.

BETANZOS HB S.L.

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SUPERFICALES FEATURES

The paint coating and the finishing confers to the printed area a moderate resistance to the action of different chemicals and water and a moderate abrasion resistance, not scratch. Due to the application process of the paint and finishing, it can appear on the surface small defects imperceptible in the sorting line, such as adherent dust to the surface of the lacquer, very small spots or defects in the ink or lacquer. All these defects do not affect more than 5 % of the board surface.

USE RECOMMENDATIONS

Due to the moderate resistance to the action of chemicals, water and scratching agents, the surface cannot be submitted to the action of sharp objects, scouring pads or any other object that could scratched the surface leading to the deterioration of the paint. Also, it must be protected against water action the areas of boards left uncoated (singing, lower side) because if water were to penetrate into the board through these areas, can affect the painted surface, became damaged.

REACTION TO FIRE

Hard fibreboard **tablex** with minimum density of 900 kg/m³ 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 to 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.

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



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