

# TECHNICAL DATA SHEET



## DEFINITION

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

## SPECIFICATIONS

| Properties                               | Reference Test | Units             | Thickness (mm)      |                     |                     |
|--|----------------|-------------------|---------------------|---------------------|---------------------|
|  |                |                   | ≤ 3.5               | > 3.5 to 5.5        | > 5.5               |
| <b>Tolerances on nominal dimensions:</b> |                |                   |                     |                     |                     |
| Thickness                                | EN 324-1       | mm                | ± 0,3               | ± 0,5               | ± 0,7               |
| Length and Width                         | EN 324-1       | mm/m              | ± 2<br>(up to 5 mm) | ± 2<br>(up to 5 mm) | ± 2<br>(up to 5 mm) |
| Squareness                               | EN 324-2       | mm/m              | ≤ 2                 | ≤ 2                 | ≤ 2                 |
| <b>Moisture Content</b>                  | EN 322         | %                 | 4 - 9               | 4 - 9               | 4 - 9               |
| <b>Swelling in Thickness 24h</b>         | EN 317         | %                 | ≤ 37                | ≤ 30                | ≤ 25                |
| <b>Tensile Strength</b>                  | EN 319         | N/mm <sup>2</sup> | ≥ 0,5               | ≥ 0,5               | ≥ 0,5               |
| <b>Flexural Strength</b>                 | EN 310         | N/mm <sup>2</sup> | ≥ 30                | ≥ 30                | ≥ 30                |

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 fibre 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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## 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: quercus robur, quercus pyrenaica, castanea sativa, Betula spp, Fraxinus spp, Alnus glutinosa, Salix spp, acacia dealbata, acacia melanoxylon. |
| 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, a renewable source that 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 solely from **wood**, using lignin as **natural glue** for fibres, 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, ISO 14001 and ISO 45001.

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