

# Tongue & Groove Solid Chestnut Wood Flooring (*Castanea sativa Mill.*)

## Technical Data

### DESCRIPTION

#### Composition

Wooden floor made of planks with tongue and groove joints that allow two flat pieces to be joined strongly together to make a single flat surface; Each piece has a slot (the groove) cut all along one edge, and a thin, deep ridge (the tongue) on the opposite edge. The tongue projects a little less than the groove in deep. Can be used over battens or directly glued using special glues.

The requirements for this product are defined in the norms:

- UNE-EN 13226: Wood flooring - Solid parquet elements with grooves and/or tongues
- UNE-EN 14342: Wood flooring - Characteristics, evaluation of conformity and marking

**Moisture content:**  $9 \pm 2\%$

### QUALITY

#### First class

##### Face

*Sound knots (adherents):*

- Maximum individual diameter: 25mm
- Total sum of the diameters: 40mm per lineal meter. Small checks on the knots due to kiln drying or others are accepted if their width is smaller than 2mm.

*Rotten or black knots*

- Individual maximum diameter:
  - o Non passant: 10mm;
  - o Passant: 6mm
- Total sum of the diameters: maximum of 20mm per lineal meter

*Other anomalies:*

- Pin knots are accepted without limit
- Sound pith is accepted without limit
- Yellow discolorations no longer than 5cm and maximum a 5% of the plank surface of the set of planks.
- Heart splits, weather shakes and other splits shorter than the plank width are accepted (passant splits < 1cm long).
- Small surface defects do to brushing, that will disappear after light sanding.

##### Back-face

- Other defects are accepted as long as they do not affect the strength of the flooring
- Sapwood shall not exceed the 15% of the plank width

#### Second class

##### Face

*Sound knots (adherents):*

- Maximum diameter: 35mm
- Total sum of the diameters: 50mm per lineal meter. Small splits on the knots due to kiln drying or other small cracks are accepted as long as their width is smaller than 3mm and do not exceed the 20% of the plank length

*Rotten or black knots*

- Maximum diameter:
  - o No passant: 15mm;
  - o Passant: 8mm
- Total sum of the diameters: maximum 30mm per lineal meter

*Other characteristics*

- Sapwood shall not exceed the 10% of the plank surface
- Sound pith is accepted without limit
- Yellow and brown discolorations are accepted without limit
- Heart splits, weather shakes and other splits that are shorter than the plank width are accepted (passant splits < 1cm long).
- Small surface defects do to brushing, that will disappear after light sanding

##### Back-face

- Sapwood without limit
- Other defects are accepted as long as they do not affect the strength of the flooring

(\*) in the case of oval-shaped knots, the diameter will be calculated as the average between the maximum and minimum diameter

## DIMENSIONS

**Thickness:** 21mm

**Widths:** from 90 to 240mm

**Lengths:** from 400mm to 1900mm

Length percentages: 10% from 400 to 750mm, 75% from 800 to 1500mm and 15% from 1550 to 1900mm

## Dimensions and tolerances (UNE EN 13226)

Thickness:  $\pm 0,2$

Width:  $\pm 0,5$

Length:  $\pm 0,5$

## Deformations (warp)

Curl:  $< 0,5\%$  of the width

Curvature of the edge: maximum 0,05 % in pieces up to 1m in length; max 0,1% in pieces longer than 1m.

## FISNISHES

The surface of the visible faces must be able to be finished just with a light sanding.

**Bevel:** Optional bevel of 1,5mm on the edge and on the ends.

**Packing:** 5 pieces per plastic wrapped mini-package

## OTHER PROPERTIES

**Fire reaction:** Cfl-s1

**Minimum average density:** 600 kg/m<sup>3</sup>

**Formaldehyde emission (UNE EN 13986):** E1

**Pentachlorophenol emission:** Does not proceed

**Slippery:** Does not apply

**Thermal conductivity:** 0,15 W/mk

**Natural durability:** Class 2 (standard UNE EN 350-2)

**Risk class:** 3-4 (EN 460)



SIEROLAM, S.A.

Los Cuetos, Argüelles. 33188

Tel: (34) 985 74 20 12/ 03

e-mail: [siero@sierolam.com](mailto:siero@sierolam.com)

Siero, Asturias, Spain

Fax: (34) 985 74 23 50

web: [www.sierolam.com](http://www.sierolam.com)