

Cladding and Solid Sweet Chestnut wood panelling for coating walls

Technical Data

DESCRIPTION

Composition

Cladding and solid wood paneling for coating walls and facades, for external use; installation can be with staples or nails over battens. Each piece is composed of various boards with finger joints, until the required length is achieved.

The requirements for this product are defined in the standards:

- UNE-EN 14951: Solid hardwood panelling and cladding. Machined profiles elements
- UNE-EN 14915: Solid wood panelling and cladding; Characteristics, evaluation of conformity and marking

Bonding: Melamine glue with high performance and resistance to weathering. According to standards UNE EN 301 (type I and II, service class 1, 2, and 3)

Moisture content: $12 \pm 2\%$

Quality (free class)

Face

Sound knots (adherents):

- Maximum individual diameter: 20mm
- Total sum of the diameters: maximum of 30mm 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 1mm

Rotten or black knots (black but non passant)

- Individual maximum diameter: 5mm;
- Total sum of the diameters: maximum of 10mm per lineal meter

Other characteristics:

- Yellow discolorations no longer than 5cm and maximum a 5% of the plank surface of the set of boards

Back-face

- Other defects are accepted as long as they do not affect the strength of the flooring
- Sapwood shall not exceed the 10% of the boards width

DIMENSIONS

Thickness: 20 mm

Widths: from 90 to 120mm

Lengths: custom made

Dimensions and tolerances

Thickness: $\pm 0,5\text{mm}$

Height: $\pm 1\text{mm}$

Length: $\pm 2\text{mm}$

Deformations (warp)

Maximum curl of 1% of the width at the moment of the fabrication

Other deformations are accepted as long as the planks are assembled correctly in their full length

FINISHES

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

OTHER PROPERTIES

Wood type: Sweet chestnut (*Castanea sativa Mill.*)

Reaction to fire: D-s2, d0

Minimum average density: 600 kg/m³

Class of formaldehyde emission (UNE EN 13986): E1

Pentachlorophenol emission: -

Water vapor permeability: 80 μ

Thermal conductivity: 0,15 W/mk

Durability against biological attack: Class 2 (Standard UNE EN 350-2)

Service class: 3-4 (FN 460)



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