TECHNICAL DATA SHEET

BOIX-Monocapa

Boix construcció

Boix, with a long tradition in the wood sector and in the production of solid wood products, presents the **BOIX-Monocapa panels**.

Single-layer edge-glued solid pine wood panel, made of lamellas edge-bonded and finger-jointed, suitable for cladding, furniture manufacturing, and other applications.

Through the use of advanced technology and extensive experience in the sector, we manufacture a high-quality product.

Storage

Panels must be placed horizontally on dry surfaces, leaving sufficient spacing between them to allow air circulation.

Packages must be covered to prevent moisture infiltration and aesthetic damage to the surface.

Indoor use

During the manufacturing process, the wood is dried to a moisture content of 8–12%. Variations in temperature and humidity may cause swelling, shrinkage, or warping.

It is recommended to acclimatize the panels prior to installation and to avoid sources of heat, cold, or humidity in order to minimize the possible appearance of small cracks and/or deformations.

Outdoor use

Bonded single-layer panels must be treated on both surfaces and edges with suitable protective products.

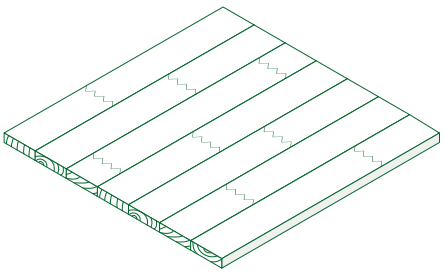
Water must always be able to drain freely, without stagnation, and any absorbed moisture must be able to evaporate gradually.

Materials must be protected against swelling, shrinkage, and warping.

Description

Edge-glued panel.

Species	Pine (*Pinus sylvestris and Pinus nigra*)
Composition	Lamellas between 60 mm and 200 mm in width
Bonding	High-quality adhesive / Structural performance
Moisture content	8 - 12%
Visual quality	Pine wood with sound knots
Finish	Sanded with 80-grit sandpaper



Properties

Density at 12%	520 - 580 kg/cm^3
Thermal conductivity	0,13 - 0,17 W/(m·K)
Reaction to fire class	D-s2, d0
Sound absorption coefficient (α_s)	0,1 - Frequencies from 250 to 500 Hz 0,3 - Frequencies from 1000 to 2000 Hz

Dimensions

Thicknesses (mm)	20 | 30 | 40
Widths (mm)	1000 to 3000
Lengths (mm)	1000 to 3000 | On request
Dimensional tolerance	±2 mm
Edge straightness	±2 mm/m
Squareness	±2 mm/m

Boix

www.grupboix.com | grupboix@grupboix.com | (+34) 938 290 900

Ctra. C-16, Km. 81, Polígon Industrial El Saltet, 08692 PUIG-REIG (Barcelona)