

# DATA SHEET

## AMERICAN BLACK WALNUT

<b>1</b>	<b>Name and family</b>
International Name	AMERICAN BLACK WALNUT
Scientific Name	Junglans nigra L.
Family	Juglandaceae.
Main Commercial Names	<i>American Black Walnut</i>
	

<b>2</b>	<b>Origin</b>
	

<b>3</b>	<b>Description of the wood</b>
Sapwood	Yellowish white to light brown.
Heartwood	Reddish brown to dark brown.
<ul style="list-style-type: none"> <li>• Colour</li> <li>• Grain direction</li> <li>• Grain</li> </ul>	<p>Straight, although it is occasionally wavy.</p> <p>Medium.</p>

<b>4</b>	<b>Technological characteristics</b>
Density at 12% humidity	610 Kg/m <sup>3</sup> (very heavy)
Dimensional stability	
<ul style="list-style-type: none"> <li>• Volumetric coefficient</li> <li>• Contraction ratio</li> <li>• Hardness (Chalais - Meudon)</li> <li>• Resistance to static bending</li> <li>• Elasticity modulus</li> <li>• Resistance to parallel compression</li> <li>• Fire reaction class</li> <li>• Thermal conductivity</li> <li>• Formaldehyde emission</li> </ul>	<p>0,43% (Stable wood)</p> <p>1,42% (No tendency to deform)</p> <p>3,6 (Hard wood)</p> <p>1.010 kg / cm<sup>2</sup></p> <p>116.000 kg/cm<sup>2</sup></p> <p>523 kg/cm<sup>2</sup></p> <p>Cfl-s1</p> <p>0,15 W/(mK)</p> <p>E1</p>
	

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### 5 Uses and applications

Fine indoor furniture. Carving, lathing and curved furniture.  
Woodwork on openings and claddings, indoor: Doors, wood flooring, wainscots, mouldings, stairs.  
Decorative plates.

### 6 Natural durability

Fungi resistance	3 ( Moderately Durable)
Termite resistance	S (Susceptible)
Dry wood borers resistance	D (Durable)
Use class ensured by natural durability	2 (Inseder or under cover)

### 7 Transformation and installation

Sawing	No problems.
Drying	Slow; risk of collapse and cementing.
Processing	No problems.
Gluing	Easy.
Nailing	Easy.
Finishing	Easy.
Impregnability	Impregnable sapwood and low impregnability or non-impregnable heartwood.

### 8 Our applications

#### INDOOR COATED WOOD FLOORING

- **Format FOR GLUING or NAILING**  
400 / 1600 x 90,100 or 110 x 19 mm.  
400 / 1600 x 120 to 140 x 19 mm.

- **Format FOR NAILING**  
500 / 2400 x 90,100 or 110 x 19 mm.  
500 / 2400 x 120 to 140 x 19 mm.



*THE VARNISHED SOLID WOOD FLOORING CONTAINS 8 LAYERS OF COATING:*  
- 5 layers of UV-drying acrylic and water-based primers.  
- 3 ANTI-SCRATCH coats.

#### INDOOR FLOORING ACCESSORIES

Skirtings, stairs, rises, stringboards, treads, finishings, edgings, etc. (Coating at the factory)

### 9 Quality

Our floorings are manufactured to meet current regulation standards, endorsed by the main Quality Seals so the corresponding certificates can be issued.



LOPEZ PIGUEIRAS SOLID WOOD FLOORING

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### INDOOR WOOD FLOORING MANUFACTURING STANDARDS

- AITIM quality seal: 4-3-13. Wood floors. Wood flooring.
- UNE-EN ISO 9001:2008: Quality Management Systems.
- UNE-EN 13756:2003: Wood flooring. Terminology.
- UNE-EN 13226:2009: Solid parquet elements with grooves and / or tabs.
- UNE-EN 1910:2000: Determining the dimensional stability.
- UNE-EN 13647:2003: Determining the geometrical characteristics.
- UNE 56810:2010: Wood flooring. Installation. Specifications.
- UNE-EN 14342:2006: Wood flooring. Characteristics, evaluation of conformity and marking.

### INDOOR WOOD FLOORING COATING STANDARDS

- AITIM quality seal: 4-4-01. Wood floors. Varnished floorboards.
- UNE-EN ISO 2808:2000: Coating thickness.
- UNE ENV 13696:2001: Resistance to abrasion.
- UNE ISO 4624:2002: Resistance to adherence.
- UNE 1109-6:1990: Resistance to impact.
- UNE 56817:1974: Resistance to shock.
- UNE-EN ISO 11998:2002: Resistance to scrubbing. Washability.
- UNE-EN ISO 2409:1996: Cross-cut.
- UNE-ENV 12633:2003: Slip resistance.

## 10 Installation



*Nogal Indoor Flooring*



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