

DATA SHEET

CUMARU AMARELHO



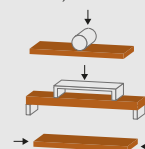
1	Name and family
International Name	CUMARU.
Scientific Name	Dipteryx spp.
Family	Fabaceae.
Main Commercial Names	<p><i>Central America: Almentro, Elbo.</i></p> <p><i>Bolivia: Almendrillo.</i></p> <p><i>Brazil: Cumarú, Cumarú Ferro, Champanha, Cumarurana.</i></p> <p><i>Colombia: Sarrapia.</i></p> <p><i>Guyana: Tonka Bean, Kumaru.</i></p> <p><i>French Guyana: Gaiac de Cayenne.</i></p> <p><i>Peru: Carapilla, Shihuauaco Amarillo.</i></p> <p><i>Suriname: Tonka, Koemaroe.</i></p> <p><i>Venezuela: Sarrapia.</i></p>



2	Origin

3	Description of the wood
Sapwood	Differentiated, yellowish white.
Heartwood	Yellow to reddish brown, with narrow dark streaks.
<ul style="list-style-type: none"> • Colour • Grain direction • Grain • Sieve • Particularities 	<p>Frequent end grain, sometimes strong.</p> <p>Medium.</p> <p>Extraordinarily fine.</p> <p>Perceptible stratified structure.</p>

4	Technological characteristics
Wet weight	1.200 Kg/m ³
Density at 12% humidity	1070 Kg/m ³ (very heavy)
Dimensional stability	
<ul style="list-style-type: none"> • Volumetric coefficient • Contraction ratio • Hardness (Chalais - Meudon) • Resistance to static bending • Elasticity modulus • Resistance to parallel compression • Fire reaction class • Thermal conductivity • Formaldehyde emission 	<p>0,49% (Grainy wood)</p> <p>1,4% (No tendency to deform)</p> <p>11,0 (Very hard wood)</p> <p>1.780 kg / cm²</p> <p>220.000 kg/cm²</p> <p>680 kg/cm²</p> <p>Cfl-s1</p> <p>0,26 W/(mK)</p> <p>E1</p>



The mark of responsible forestry

LOPEZ PIGUEIRAS SOLID WOOD FLOORING

Lg. de Patarroa s/n, CP 27861, Covas-Viveiro (LUGO), Tel. +34 982 561 061
 lopezpigueiras@lopezpigueiras.com www.lopezpigueiras.com

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5	Uses and applications
Indoor woodwork	Doors, stairs, cladding, mouldings, skirtings, wainscots and parquet.
Outdoor woodwork	In all types of outdoor woodwork and carpentry.
Installation	Heavy.

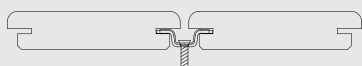
6	Natural durability
Fungi	Very good
Termites	Very good
Dry wood insects	Good
Biological durability	Class 1

7	Transformation and installation
Sawing	A powerful saw is required. Medium filing effect.
Drying	To be done slowly. More or less serious risks of deformations and cracks. Risks in foundations at large thickness.
Processing	Difficulties due to end grain / special tools.
Gluing	Delicate.
Nailing	Previous perforations are required.
Finishing	Good.
Impregnability	Low impregnability.

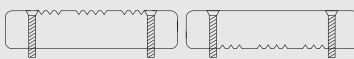
8 Our applications

OUTDOOR WOOD FLOORING

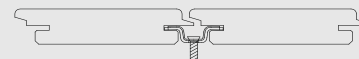
- **Visible Fasteners Format (HH)**
800 / 3000 x 100 or 125 x 21 mm.



- **Screwed Format (EX) and (S4S E4E)**
800 / 3000 x 125 or 145 x 21 mm.



- **Hidden Fastening Format**
800 / 3000 x 95 ó 120 x 21 mm.



*The outdoor wood flooring is treated with two coats of Sikkens Cetol WF 771 Saturator and a system of high penetration with "thermal jet air" drying.
For this reason, it holds the SIKKENS certification (12 months) against photodegradation.*

INDOOR WOOD FLOORING

- **Format FOR GLUING**
300 / 1200 x 90 x 14 mm.



- **Format FOR GLUING OR NAILING**
400 / 1600 x 115 or 135 x 19 mm.

- **Format FOR NAILING**
500 / 2400 x 115 or 135 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.*



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9 Quality

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

OUTDOOR WOOD FLOORING MANUFACTURING STANDARDS

- UNE-EN ISO 9001: 2015: Quality Management Systems.
- UNE 56823:2008: Outdoor wood flooring. Installation. Specifications.

INDOOR WOOD FLOORING MANUFACTURING STANDARDS

- AITIM quality seal: 4-3-13. Wood floors. Wood flooring.
- UNE-EN ISO 9001:2015: 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



Cumaru Outdoor Flooring



Cumaru Indoor Flooring



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