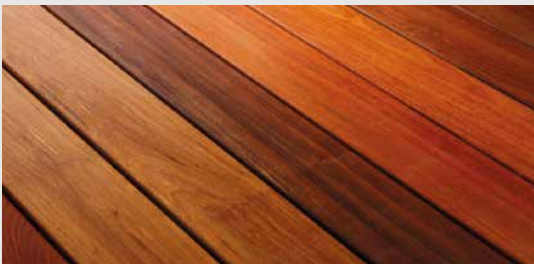



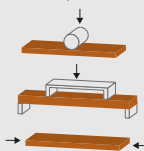
DATA SHEET

IPE

1	Name and family
International Name	IPE
Scientific Name	Tabebuia spp.
Family	Bignoniaceae.
Main Commercial Names:	<p><i>Central America: Amapa Prieta</i></p> <p><i>Bolivia: Ipe</i></p> <p><i>Brazil: Ipe, Pau D'arco</i></p> <p><i>Colombia: Canaguante, Polvillo</i></p> <p><i>Guyana: Hakia, Iron Wood</i></p> <p><i>French Guyana: Ebene Verte</i></p> <p><i>Peru: Tahuari Negro</i></p> <p><i>Suriname: Groenhart</i></p> <p><i>Venezuela: Acapro Puy</i></p>
	

2	Origin
	

3	Description of the wood
Sapwood	Very visible, white yellowish.
Heartwood	
<ul style="list-style-type: none"> • Colour • Grain direction • Grain • Sieve • Particularities 	<p>Brown olive to dark brown, sometimes with fine pores.</p> <p>End grain always present; sometimes very strong.</p> <p>Fine to medium.</p> <p>Extraordinarily fine.</p> <p>Pores filled with a green-yellow deposit, stratified structure that is sometimes perceptible, dust that can cause dermatosis.</p>

4	Technological characteristics
Wet weight	1.300 Kg/m ³
Density at 12% humidity	1050 Kg/m ³ (very heavy)
Dimensional stability	
<ul style="list-style-type: none"> • Volumetric contraction coefficient: • Contraction ratio • Hardness (Chaláis - Meudon) • Resistance to static bending • Elasticity modulus • Resistance to parallel compression • Fire reaction class • Thermal conductivity • Formaldehyde emission 	<p>0,41% (Stable wood)</p> <p>1,27% (No tendency to deform)</p> <p>8,5 (Very hard wood)</p> <p>1.750 kg / cm²</p> <p>200.000 kg/cm²</p> <p>890 kg/cm²</p> <p>Cfl-s1</p> <p>0,25 W/(mK)</p> <p>E1</p>
	

DATA SHEET

IPE

5 Uses

Woodwork, industry and decorative wood flooring.

Sleepers

Tool handles.

Shipbuilding.

6 Natural durability

Fungi Very good

Termites Very good

Dry wood insects Good

Biological durability Class 1

7 Transformation and installation

Sawing No problems aside from its hardness. Very quick dulling.

Drying To be carried out slowly. Small risks of warping and crevices.

Processing Difficulties due to the end grain. Very slow mechanisation is recommended.

Gluing Tannins make good adherence difficult.

Nailing Previous perforations are required.

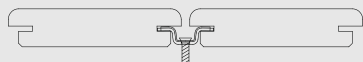
Finishings Good.

Impregnability Low impregnability.

8 Our applications

OUTDOOR WOOD FLOORING

- **VISIBLE FASTENERS (HH)**
800 / 3000 x 100-155 x 21-27-35 mm.



- **SCREWED (EX) and (S4S E4E)**
800 / 3000 x 100-155 x 21-27-35 mm.



- **HIDDEN FASTENERS (FO)**
800 / 3000 x 95 or 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 COATED WOOD FLOORING

- **Indoor coated FOR GLUING**
350 / 1200 x 90 x 14 mm.



- **Format FOR GLUING OR NAILING**
400 / 1600 x 115 or 135 x 19 mm.
400 / 1600 x 125 x 15 mm.

- **Indoor coated 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.

DATA SHEET

IPE



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



Ipe Outdoor Wood Flooring



Ipe Outdoor Wood Flooring



The mark of responsible forestry

LOPEZ PIGUEIRAS SOLID WOOD FLOORING

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