

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

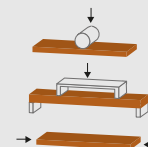


3 Description of the wood

Sapwood	Very visible, white yellowish.
Heartwood	Brown olive to dark brown, sometimes with fine pores.
<ul style="list-style-type: none"> • Colour • Grain direction • Grain • Sieve • Particularities 	<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>



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

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.



The mark of responsible forestry