

Cedrinho

Family. Vochysiaceae

Botanical Name(s).

Erisma nitidum

Erisma uncinatum

Erisma p.p.

Continent. Latin America

CITES. This species is not listed in the CITES Appendices (Washington Convention 2023).

Description of logs

Diameter. From 50 to 100 cm

Thickness of sapwood. From 4 to 14 cm

Floats. No

Log durability. Moderate (treatment recommended)

Description of wood

Colour reference. Light brown

Sapwood. Clearly demarcated

Texture. Coarse

Grain. Straight

Interlocked grain. Absent

Notes. Sometimes presence of internal stresses. Pink brown, more or less dark, sometimes with red or purplish shades.

Physics and mechanics

The properties indicated are for mature wood. These properties may vary significantly depending on the origin and growing conditions of the wood.

Property	Average value
Specific gravity ¹	0.60
Monnin hardness ¹	2.7
Coefficient of volumetric shrinkage	0.54 % per %
Total tangential shrinkage (St)	9.3 %
Total radial shrinkage (Sr)	4.4 %
Ratio St/Sr	2.1
Fibre saturation point	30 %
Thermal conductivity (λ)	0.20 W/(m.K)
Lower heating value	18,880 kJ/kg
Crushing strength ¹	54 MPa
Static bending strength ¹	91 MPa
Modulus of elasticity ¹	15,520 MPa

¹ At 12 % moisture content, with 1 MPa = 1 N/mm



Quarter sawn



Flat sawn

Natural durability and preservation

Resistance to fungi. Class 3 - moderately durable

Resistance to dry wood borers. Class D - durable (sapwood demarcated, risk limited to sapwood)

Resistance to termites. Class S - susceptible

Treatability. Class 2 - moderately permeable

Use class ensured by natural durability.

Class 2 - inside or under cover (dampness possible)

Requirement of a preservative treatment

Against dry wood borer. Does not require any preservative treatment

In case of temporary humidification. Does not require any preservative treatment

In case of permanent humidification. Use not recommended

Drying

Drying rate. Normal

Risk of distortion. Slight risk

Risk of casehardening. No known specific risk

Risk of checking. Slight risk

Risk of collapse. No known specific risk

Notes.

Suggested drying program.

Phases	Duration (H)	MC (%) probes	T (°C)	Rh (%)	UGL (%)
Prewarm 1		> 50	50	87	17.0
Prewarm 2	4	> 50	50	86	16.5
Drying		> 50	53	83	15.2
		50 - 40	53	80.0	14.1
		40 - 35	54	80.0	13.9
		35 - 30	55	75.0	12.5
		30 - 27	57	70.0	11.0
		27 - 24	58	61.0	9.4
		24 - 21	59	51.0	7.9
		21 - 18	60	47.0	7.3
		18 - 15	61	39.0	6.1
		15 - 12	62	35.0	5.6
		12 - 9	62	30.0	5.0
		9 - 6	62	26.0	4.4
Conditioning	8		55	(3)	(2)
Cooling	(1)		Stop	(3)	(2)

(1)) Cooling: until the temperature inside the kiln no longer exceeds external temperature by more than 30 °C.

(2) UGL = final H% x 0,8 to 0,9.

(3) Subtract RH from the UGL determined in (2) and temperature, using the Hailwood-Horrobin equation.

Sawing and machining

Blunting effect. Normal

Sawteeth recommended. Ordinary or alloy steel

Cutting tools. Ordinary

Peeling. Good

Slicing. Good

Notes. Sometimes slight blunting effect.

Assembling

Nailing and screwing. Good

Commercial grading

Appearance grading for sawn timbers.

According to NHLA grading rules (2015) Possible grading: FAS, Select, Common 1, Common 2, Common 3 In French Guiana, the local name of this species is "Jaboty". Grading is done according to local rules "Bois guyanais classés". Possible grading: choix 1, choix 2, choix 3, choix 4

Visual grading for structural applications

According to European standard EN 1912 (2012) and associated with French standard NF B 52-001-1 (2018), strength class D35 can be provided by visual grading.

Fire safety

Conventional French grading.

Thickness > 14 mm: M3 (moderately inflammable)

Thickness < 14 mm: M4 (easily inflammable)

Euroclasses grading. D-s2, d0

Default grading for solid wood, according to requirements of European standard EN 14081-1+A1 (August 2019). It concerns structural graded timber in vertical uses and ceiling with mean density upper 0.35 and thickness upper 22 mm.

End-uses

- Blockboard
- Boxes and crates
- Bridges (parts not in contact with water or ground)
- Current furniture or furniture components
- Exterior joinery
- Exterior panelling
- Formwork
- Glued laminated
- Interior joinery
- Interior panelling
- Light carpentry
- Moulding
- Sliced veneer
- Veneer for back or face of plywood
- Veneer for interior of plywood
- Wood frame house
- Wood-ware

Main local names

Country	Local name
Brazil	Cambara
Brazil	Cedrinho
Brazil	Jaboty
Brazil	Quaruba tinga

Main local names

Country	Local name
Brazil	Quaruba vermelha
Brazil	Quarubarana
French Guiana	Felli kouali
French Guiana	Jaboty
French Guiana	Manonti kouali
Peru	Cambara
Suriname	Singri-kwari
Venezuela	Mureillo