

**CURUPAY**

**(ADENANTHERA MACROCARPA; PIPTADENIA MACROCARPA)**

**Other Common Names:** Angico preto (Brazil), Cebil, Cebil colorado (Argentina), Curupay-ata (Paraguay).

**Distribution:** Has a wide distribution in Argentina and is also found in the subtropical and dry forests of Brazil and Paraguay.



**The Tree:** A medium-sized tree reaching a height of 80 ft with trunk diameters 2 to 3 ft; bole are straight and clear and will yield logs up to 24 ft in length.

**The Wood:**

**General Characteristics:** Heartwood pale brown, darkening on exposure to reddish brown with darker colored, almost black, streaks; sapwood yellow brown or light pink. Texture fine and uniform; grain usually irregular and interlocked; without distinctive odor or taste.

**Weight:** Basic specific gravity (oven dry weight/green volume) 0.86; air-dry density pcf.

**Mechanical Properties:** (2-cm standard)

Moisture content (%)	Bending strength (Psi)	Modulus of elasticity (1,000 psi)	Maximum crushing strength (Psi)
Green (30)	22,200	2,370	10,100
15%	26,900	NA	12,600
12% (42)	29,290	2,595	14,100

Janka side hardness 3,840 lb. Amsler toughness 680 in.-lb at 15% moisture content (2-cm specimen).

**Drying and Shrinkage:** Dries slowly with little warp but does tend to check and split in kiln-drying, particularly in thicker dimensions. Kiln schedule T8-B3 is suggested for 4/4 stock and T5-B1 for 8/4. Shrinkage green to oven dry: radial 4.6% tangential 7.6%; volumetric 12.0%. Movement in service is rated as medium.

**Working Properties:** The timber is difficult to work on account of its hardness, severe blunting effect on cutting edges. In planning a cutting angle of 10 to 15 degrees is suggested to prevent tearing of irregular grain.

**Durability:** Heartwood is rated as very durable.

**Preservation:** Extremely resistant to preservative treatments.

**Uses:** Used for heavy exterior construction and marine work, flooring, railroad cross ties, tool handles, turnery. The bark is extracted for its tannin.

SOURCE: US Department of Agriculture – Forest Service