

# AFRICAN MAHOGANY

**Common Name(s):** African mahogany, khaya, acajou d'Afrique

**Scientific Name:** *Khaya spp.*, (primarily *A. anthotheca* and *A. ivorensis*)

**Distribution:** Tropical Africa

**Tree Size:** 100-200 ft (30-60 m) tall,  
3-6 ft (1-1.8 m) trunk diameter

**Average Dried Weight:** 33.9 lbs/ft<sup>3</sup> (545 kg/m<sup>3</sup>)

**Specific Gravity (Basic, 12% MC):** 0.46, 0.54

**Janka Hardness:** 850 lb<sub>f</sub> (3,800 N)

**Modulus of Rupture:** 11,730 lb<sub>f</sub>/in<sup>2</sup> (80.9 MPa)

**Elastic Modulus:** 1,410,000 lb<sub>f</sub>/in<sup>2</sup> (9.72 GPa)

**Crushing Strength:** 6,570 lb<sub>f</sub>/in<sup>2</sup> (45.3 MPa)

**Shrinkage:** Radial: 3.4%, Tangential: 5.7%,  
Volumetric: 9.3%, T/R Ratio: 1.7

**Color/Appearance:** Heartwood ranges from pale pink to a deeper reddish brown, sometimes with streaks of medium to dark reddish brown. Colors darken with age. Quartersawn surfaces exhibit a ribbon-stripe appearance.

**Grain/Texture:** Grain is straight to interlocked, with a medium to coarse texture. Good natural luster and a high degree of chatoyancy.



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