

AFRICAN MAHOGANY

Khaya anthotheca



Harvested In:
Western tropical Africa

Family:
MELIACEAE (angiosperm)

WOOD DESCRIPTION

Color: *Red Brown*
Sapwood: *Clearly Demarcated*
Texture: *Medium*
Grain: *Slightly Interlocked*

CHARACTERISTICS

- Easy to work
- Moderately durable
- Resistant to termites

COMMON USES

- Cabinetwork
- Sliced veneer
- Ship building (planking and deck)
- Veneer for back or face of plywood
- Interior joinery
- Light carpentry
- Turned items
- Furniture

AVAILABILITY

- Select & Better
- Mixed Grain, Plain Sawn, Quarter Sawn
- 4/4, 5/4, 6/4, 8/4, 10/4, 12/4, 16/4 Thicknesses

PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	3.84 lbs/bf	Fiber Saturation Point:	28%
Specific Gravity:	0.57	Crushing Strength:	6,671 lbf
Janka Hardness (lbs):	1,070	Static Bending Strength:	11,167 lbf
Volumetric Shrinkage:	10%	Modulus of Elasticity:	1,714,346 lbf
Total Tangential Shrinkage (TS):	5.5%	Stability:	Moderately Stable
Total Radial Shrinkage (RS):	3.7%		
TS/RS Ratio:	1.5		

WORKING PROPERTIES

Blunting Effect:	Normal	Slicing:	Good
Sawteeth Recommended:	Ordinary / Alloy steel	Nailing / screwing:	Good
Cutting Tools:	Ordinary	Gluing:	Good
Peeling:	Good		

*Note: Tendency to woolliness (tension wood) in sawing.
Risks of tearing (interlocked grain) in planing.*

Note: Gluing must be done carefully as wood may be easily stained.

