AFRICAN MAHOGANY

Khaya spp.

African Mahogany is a premium tropical hardwood native to the forests of West and Central Africa valued for its rich appearance, excellent workability, and dependable performance. Its heartwood ranges from warm pinkish-brown to deep reddish-brown, often developing a richer, more lustrous tone with age. It generally has straight to interlocked grain with a medium texture creating an elegant, uniform appearance. Because it is easy to machine, sand, glue, and finish, it is a preferred lumber species among woodworkers. African Mahogany is commonly used for fine furniture, architectural millwork, cabinetry, doors, windows, and decorative veneers.



Surfaced



Surfaced and clear coat

African Mahogany is listed on CITES Appendix II
Trade is allowed, but closely monitored by CITES to avoid the threat of extinction.

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, QuarterSawn
- 4/4, 5/4, 6/4, 8/4, 10/4, 12/4, 16/4 Thicknesses

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PHYSICAL / MECHANICAL PROPERTIES

Average Dried Weight	*3.84 lbs/bf*
Specific Gravity:	*0.57*
Janka Hardness (lbs):	*1,070*
Volumetric Shrinkage:	*10%*
Total Tangential Shrinkage (TS):	*5.5%*
Total Radial Shrinkage (RS):	*3.7%*
TS/RS Ratio:	*1.5*

Fiber Saturation Point:	*28%*
Crushing Strength:	*6,671 lbf/in²*
Static Bending Strength:	*11,167 lbf/in²*
Modulus of Elasticity:	*1,714,346 lbf/in²*
Stability:	*Moderately Stable*

** Based on 12% Moisture Content*

WORKING / FINISHING PROPERTIES

Blunting Effect:	*Normal*
Sawteeth Recommended:	*Ordinary / Alloy steel*
Cutting Tools:	*Ordinary*
Peeling:	*Good*

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

Slicing:	*Good*
Nailing / screwing:	*Good*
Gluing:	*Good*

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





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