GENUINE MAHOGANY

Swietenia macrophylla

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

Genuine Mahogany, frequently referred to as Honduran Mahogany, is a legendary tropical hardwood native to Central and South America. It features a pale pinkish to deep reddish-brown heartwood that exhibits a striking natural luster. Appreciated for having a low shrinkage rate, Genuine Mahogany is prized for its predictable workability when cutting, turning, or carving. Commonly used for historical furniture, precision joinery, luxury boat building, and high-end musical instruments.



Surfaced



Surfaced and clear coat

Harvested In:
South Mexico and Central America

Family:
MELIACEAE

WOOD DESCRIPTION

Color:	*Pale pinkish brown to dark reddish brown*
Sapwood:	*Clearly Demarcated*
Texture:	*Medium*
Grain:	*Straight or Interlocked*

CHARACTERISTICS

- Easy to work
- Durable
- Resistant to termites

COMMON USES

- Cabinetwork
- Moulding
- Turned objects
- Sliced veneer
- Paneling (interior / exterior)
- Musical instruments
- Furniture and furniture components

AVAILABILITY

- Rough, FAS
- Mixed Grain
- 4/4, 6/4, 8/4 Thicknesses

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PHYSICAL / MECHANICAL PROPERTIES

Average Dried Weight:	*3.9 lbs/bf*
Specific Gravity:	*0.56*
Janka Hardness (lbs):	*900*
Volumetric Shrinkage:	*7.5%*
Total Tangential Shrinkage (TS):	*4.3%*
Total Radial Shrinkage (RS):	*2.9%*
TS/RS Ratio:	*1.5*

Fiber Saturation Point:	28%
Crushing Strength:	*6,760 lbf/in²*
Static Bending Strength:	*13,810 lbf/in²*
Modulus of Elasticity:	*1,582,000 lbf/in²*
Stability:	*Stable*

** Based on 12% Moisture Content*

WORKING / FINISHING PROPERTIES

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

Slicing:	*Good*
Nailing / screwing:	*Good*
Gluing:	*Good (interior only)*

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



