# MANSONIA

*Mansonia altissima*

Mansonia, native to the tropical rainforests of West and Central Africa, is a dense and highly valued exotic hardwood often used as a substitute for American walnut. Featuring a rich heartwood with color ranging from a yellowish-brown to a deep chocolate brown, it is frequently accented by striking grayish or purplish streaks. Appreciated for its excellent strength properties and outstanding natural resistance to termites and fungal decay. Mansonia is commonly used for high-end cabinetry, fine furniture, musical instruments, turned goods and decorative veneers.



*Surfaced*



*Surfaced and clear coat*

**Harvested In:**
***Western Tropical Africa***

**Family:**
***MALVACEAE (angiosperm)***

## WOOD DESCRIPTION

| | |
|---|---|
| Color: | *Brown* |
| Sapwood: | *Clearly Demarcated* |
| Texture: | *Fine* |
| Grain: | *Straight* |

## CHARACTERISTICS

- Easy to work
- Very Durable
- Resistant to termites

## COMMON USES

- Cabinetwork
- Sliced Veneer
- Paneling (interior)
- Flooring
- Joinery (interior / exterior)
- Moulding
- Rolling shutters
- Shingles

## AVAILABILITY

- Select & Better
- Mixed Grain
- 4/4 Thickness


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## PHYSICAL / MECHANICAL PROPERTIES

| | |
|---|---|
| Average Dried Weight: | *3.4 lbs/bf* |
| Specific Gravity: | *0.66* |
| Janka Hardness (lbs): | *1,290* |
| Volumetric Shrinkage: | *10.2%* |
| Total Tangential Shrinkage (TS): | *7.3%* |
| Total Radial Shrinkage (RS): | *4.4%* |
| TS/RS Ratio: | *1.7* |

| | |
|---|---|
| Fiber Saturation Point: | *28%* |
| Crushing Strength: | *8,702 lbf/in²* |
| Static Bending Strength: | *15,954 lbf/in²* |
| Modulus of Elasticity: | *1,975,414 lbf/in²* |
| Stability: | *Good* |

** Based on 12% Moisture Content*

## WORKING / FINISHING PROPERTIES

| | |
|---|---|
| Blunting Effect: | *Normal* |
| Sawteeth Recommended: | *Ordinary or alloy steel* |
| Cutting Tools: | *Ordinary* |
| Peeling: | *Good* |

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

*Note: Sawdust may cause dermatitis or mucosa irritation.*



