

# TIGERWOOD - GONCALO ALVES

*Astronium fraxinifolium*



Harvested In:

Central and South America

Family:

ANACARDIACEAE (angiosperm)

## WOOD DESCRIPTION

Color:	Dark brown
Sapwood:	Clearly Demarcated
Texture:	Fine
Grain:	Straight Interlocked

## CHARACTERISTICS

- Easy to work
- Very durable
- Resistant to termites

## COMMON USES

- Outdoor decking
- Porch flooring
- Paneling (interior / exterior)
- Joinery (interior / exterior)
- Heavy carpentry
- Musical instruments
- Turned goods
- Cabinetry

## AVAILABILITY

- Select & Better
- Rough, S4S, E4E, Grooved
- 4/4, 5/4 Thicknesses (millwork)
- Various dimensions (decking)

## PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	4.92 lbs/bf	Fiber Saturation Point:	22%
Specific Gravity:	0.91	Crushing Strength:	11,022 lbf
Janka Hardness (lbs):	2,170	Static Bending Strength:	13,924 lbf
Volumetric Shrinkage:	11.2%	Modulus of Elasticity:	2,393,123 lbf
Total Tangential Shrinkage (TS):	7.9%	Stability:	Poor
Total Radial Shrinkage (RS):	4.3%		
TS/RS Ratio:	1.8		

## WORKING PROPERTIES

Blunting Effect:	Fairly High	Slicing:	Good
Sawteeth Recommended:	Stellite-tipped	Nailing / screwing:	Good
Cutting Tools:	Tungsten carbide	Gluing:	Poor
Peeling:	Not recommended		

**Note:** Risks of burning in machining. Slight tendency to tearing in planing (interlocked grain). Sawdust reported to be irritant.

