TIGERWOOD - GONCALO ALVES

Astronium fraxinifolium

Goncalo Alves, most commonly referred to as Tigerwood, is a premium exotic hardwood derived primarily from tropical rainforests of Central and South America. This exceptionally dense timber is highly celebrated for its striking, dramatic appearance, featuring a vibrant golden-brown heartwood accented by a bold, irregular pattern of dark brown to black streaks resembling tiger stripes. It possesses outstanding natural durability, high resistance to rot and insect attack. Tigerwood is a premier choice for outdoor decking, porch flooring, heavy-use fine furniture, as well as decorative turned accents.



Surfaced



Surfaced and clear coat

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)

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PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	*4.92 lbs/bf*
Specific Gravity:	*0.91*
Janka Hardness (lbs):	*2,170*
Volumetric Shrinkage:	*11.2%*
Total Tangential Shrinkage (TS):	*7.9%*
Total Radial Shrinkage (RS):	*4.3%*
TS/RS Ratio:	*1.8*

Fiber Saturation Point:	*22%*
Crushing Strength:	*11,022 lbf/in²*
Static Bending Strength:	*13,924 lbf/in²*
Modulus of Elasticity:	*2,393,123 lbf/in²*
Stability:	*Poor*

** Based on 12% Moisture Content*

WORKING / FINISHING PROPERTIES

Blunting Effect:	*Fairly High*
Sawteeth Recommended:	*Stellite-tipped*
Cutting Tools:	*Tungsten carbide*
Peeling:	*Not recommended*

Slicing:	*Good*
Nailing / Screwing:	*Good*
Gluing:	*Poor*

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



