PADAUK

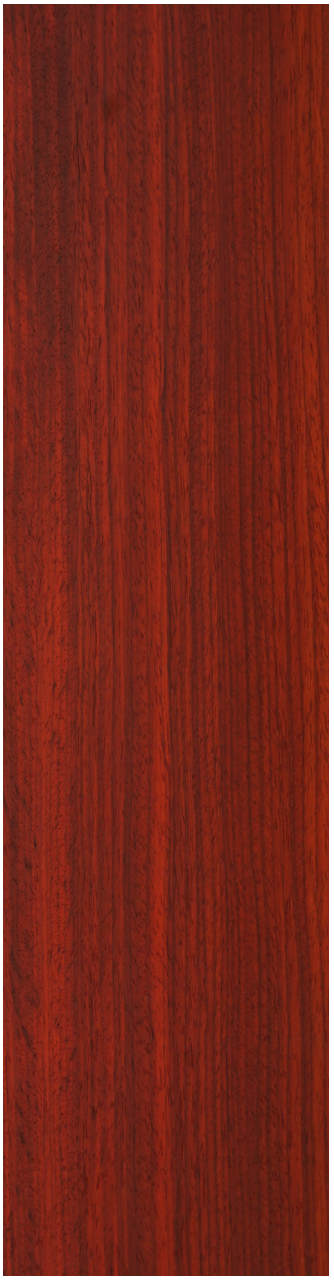
Pterocarpus spp.

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

Padauk, native to tropical regions of Africa, is a highly sought-after exotic hardwood known for its exceptional color, durability, and versatility. Especially valued for its vivid orange-red heartwood, which gradually deepens into a rich purplish-brown tone as it ages and is exposed to sunlight. Appreciated for its excellent stability and strength-to-weight ratio, Padauk offers both impressive performance and distinctive visual appeal. Paduak is commonly used for musical instruments, fine furniture, flooring, decorative veneers and inlays, and specialty woodturning.



Surfaced



Surfaced and clear coat

Harvested In:
Central and West Africa

Family:
FABACEAE (angiosperm)

WOOD DESCRIPTION

Color:	*Red*
Sapwood:	*Clearly Demarcated*
Texture:	*Coarse*
Grain:	*Slightly Interlocked*

CHARACTERISTICS

- Easy to work
- Very durable
- Resistant to termites

COMMON USES

- Cabinetwork
- Flooring
- Turned goods
- Joinery (interior / exterior)
- Sliced veneer
- Heavy carpentry
- Sculpture
- Decorative inlays

AVAILABILITY

- Select & Better
- Mixed Grain, Plain Sawn, Quarter Sawn
- 4/4, 6/4, 8/4 Thicknesses

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PHYSICAL / MECHANICAL PROPERTIES

Average Dried Weight:	*4.2 lbs/bf*
Specific Gravity:	*0.75*
Janka Hardness (lbs):	*1,970*
Volumetric Shrinkage:	*7.9%*
Total Tangential Shrinkage (TS):	*5.2%*
Total Radial Shrinkage (RS):	*3.1%*
TS/RS Ratio:	*1.6*

Fiber Saturation Point:	*21%*
Crushing Strength:	*9,240 lbf/in²*
Static Bending Strength:	*16,824 lbf/in²*
Modulus of Elasticity:	*2,301,748 lbf/in²*
Stability:	*Stable*

** Based on 12% Moisture Content*

WORKING / FINISHING PROPERTIES

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

Note: Tendency to woolliness (tension wood) in sawing. Risks of tearing (interlocked grain) in planing. Ribbon-like aspect on quarter sawn.

Slicing:	*Good*
Nailing / screwing:	*Pre-boring necessary*
Gluing:	*Good*

Note: Pre-boring is necessary; risks of splits especially with thin boards. Gluing requires care (dense wood.)



