

Species - New Guinea Walnut (*Dracontomelum dao*)



Uses:

Decorative Veneer, Plywood, Furniture. Joinery, Cabinet Work, Interior Finish, Panelling, Moulding, Flooring, Artifacts Light Construction, Shop Fitting, Turnery Cladding, Lining, Carving

Physical Properties:

Air Dried Density	540kg/m ³ @12% m.c.
Colour	Heartwood grey-brown, with streaks of darker brown
Texture	Moderately coarse but even
Grain	Often interlocked
Durability	Heartwood has moderate durability, but should be reserved for indoor use.
Permeability	Heartwood resistant to impregnation with preservative.
Lyctid Susceptibility	Susceptible
Shrinkage	Radial: 2% ; Tangential: 4.5%

Mechanical Properties:

Strength	SD 6 Seasoned
Structural Grade	F11select grade
Toughness (Izod)	10J Seasoned, 11J Unseasoned
Hardness (Janka)	3.7kN Seasoned, 3.3kN Unseasoned
Maximum. Crushing Strength	46MPa Seasoned, 30MPa Unseasoned.
Modules of Elasticity	11GPa Seasoned, 9.7GPa Unseasoned.
Modules of Rapture	81MPa Seasoned, 59MPa Unseasoned.

Working Properties:

	Easy to saw		Readily bored
	Turns easily		Easy to glue
	Screws well		Nails easily
	Moulds Well		