

## Species - White Tulip Oak (*Pterygota horsfieldii*)



### Uses:

General Constructions, Bridge & Wharf - Superstructure, Interior Finish, Cabinet Work, Joinery, Mouldings, Furniture, Panelling, Lining, Veneer, Steps, Tool Handles, Cladding, Handrails

### Physical Properties:

Air Dried Density	650kg/m <sup>3</sup> @12% m.c.
Colour	Cream to pale brown
Texture	Moderately medium to coarse
Grain	Straight or shallowly interlocked
Durability	Unless moved and treated quickly, logs are susceptible to blue stain, termites & pin hole borer attacks.
Permeability	Impregnates very easily
Lyctid Susceptibility	Susceptible
Shrinkage	Radial: 2.3% ; Tangential: 5.09%

### Mechanical Properties:

Strength	SD 4 Seasoned
Structural Grade	F14 select grade
Toughness (Izod)	
Hardness (Janka)	No janka hardness
Maximum. Crushing Strength	64 MPa seasoned 38 MPa unseasoned
Modules of Elasticity	14GPa Seasoned, 11GPa Unseasoned.
Modules of Rapture	106MPa Seasoned, 67MPa Unseasoned.

### Working Properties:

	Saws readily		Readily bored
	Easily turned		Glues well
	Screws well		Nails easily.
	Moulds Well		