

TEAK

TECTONA GRANDIS

TECHNICAL DATA SHEET



TEAKWOOD

The properties of our timbers grown in our plantation and in natural forests are based on mature heartwood specimens.



Wood Description

Color: Yellow Brown
Sapwood: clearly demarcated
Texture: coarse
Grain: straight
Interlocked Grain: Absent

Log Description

Diameter: 20-39.3 in
Sapwood Thickness: 0.79-2.4 in
Floats: None
Log Durability: good

End Uses:

- Cabinetwork (high class furniture)
- Sliced veneer
- Ship building (planking and deck)
- Veneer for back or face of plywood Interior/exterior joinery
- Light carpentry
- Interior/exterior paneling
- Flooring
- Cooperage
- Bridges
- Poles
- Arched goods
- Stakes
- Rolling shutters
- Turned goods
- Stairs
- Open boats

	PHYSICAL PROPOERTIES			Mean
	Mean	Dev. Std.		
Specific Gravity*:	0.67	0.08	Crushing Strength*:	8,122 lbf
Janka Hardness (lbs):	1.070	-	Static Bending Strength (1):	14,213
Volumetric Shrinkage:	0.34%	0.03%	Modulus of Elasticity (1):	1,992,818 lbf
Total Tangential Shrinkage (TS):	4.7%	0.5%	Musical Quality Factor: (2)	128.2
Total Radial Shrinkage (RS):	2.6%	0.8%		
TS/RS Ratio:	1.8		(1): at 12% moisture content	
Fiber Saturation Point:	24 %		(2): measured at 2656 Hz	
Stability:	Stable			

Note: The properties of timbers grown in plantation or in natural forests are often similar, except for durability.

NATURAL DURABILITY AND TREATABILITY

Fungi and termite resistance refers to end-uses under temperate climate. Except for special comments on sapwood, natural durability is based on mature heartwood. Sapwood must always be considered as non-durable against wood degrading agents. E.N. = Euro Norm

Note:

The durability of teak wood from plantation is much lower than the teak from natural forests. It's moderately resistant to fungi and classified as sensible to durable against termites. This species is classified in the natural durability class 1 towards fungi and in natural durability class M towards termites.

Funghi (According to E.N. standards):	class 1 – very durable
Dry Wood Borers:	durable (sapwood demarcated, risk limited to sapwood)
Termites (According to E.N. standards):	class M – moderately durable
Treatability (according to E.N. standards):	class 4 - not permeable
Use class ensured by natural durability:	class 4 – in ground or fresh water contact
Species covering the use class 5:	yes

Common Names:

- Sagwan, Jati, Tek,
- May Sak, Giati, Kyun



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