

Lemonwood

Calycophyllum Candidissimum

Family

Rubiaceae

Description

Sapwood wide, not sharply demarcated from the heartwood, and white to brownish-white in colour. Heartwood is light brown to grey, more or less variegated. Lustre medium. No noticeable smell or taste. Grain straight to very irregular, with a narrow and indistinct stripe on quarter-cut surfaces. Texture fine and uniform. Bole is slender and 10 to 15 m in length.

Characteristics

Timber develops some slight surface and end-checking during the air-seasoning process, with tendency to warp when dried in small sizes. Stock is moderately difficult to machine and has a moderate blunting effect on cutting edges. Its resistance to cutting is medium, with some tendency to split in mortising or drilling. Finishes smoothly and takes a good polish. Carves and turns well. Moderately resistant to termite attack. Wood is hard, strong, resilient and bends well without breaking. Used in archery as a substitute for LANCEWOOD. Stable when seasoned. Reputed to be highly resistant to marine borer attack.

Uses

Structural timber, Flooring, Vehicle body, Furniture, Cabinet work, Ladders, Sporting goods, Agricultural implements, Precision equipment, Interior trim, Sleepers, Joinery, Carvings, Turnery.

Density

780 – 850 Kg/m³

Green

980 – 1150 Kg/m³

Strength group

S2 – SD2

Moisture Condition	Modulus of rupture		Modulus of elasticity x 10		Maximum crushing strength		Maximum shear strength	
	MPA	LBF/in	MPA	LBF/in	MPA	LBF/in	MPA	LBF/in
Green	86.1	12500	14.2	2060	43.4	6300	11.0	1600
12%	134.0	19500	16.3	2360	71.0	10300	16.7	2430

Shrinkage

Tangential Green to 12% m.c.*	Radial Green to 12% m.c.*
6.6 – 8.0	3.1 – 4.0

*Moisture content

Durability

(Class 2, durable) Approximate life in contact with the ground (years), 15 to 20, for conditions significantly different from that represented by ground contact, the life expectancies of the specie would obviously be longer than that indicated in this classification.

Please Note: Actual colours of wood may vary from displayed images.