

**afromosia /assamela / pericopsis elata**

Afromosia lumber is used untreated for in ground or water contact projects. Acid resistant.

Exterior uses with no required preservatives: naval construction, decking, joinery, garden furniture, chemical tanks.



Properties (12% moisture)  
Color: brown  
Density: 770 kg/m<sup>3</sup>  
Compression Strength: 64 Mpa  
Modulus of Elasticity: 10,400 Mpa  
Modulus of Rupture : 130 Mpa  
Nail Holding: good  
Planing: easy  
Sawing: easy  
Finishing: good  
Decay resistibility: very resistant  
Wear resistibility: resistant

Specie Name: AFROMOSIA

Botanical / Scientific / Latin name *Pericopsis elata*



Common / Trade names

Origin West Africa and Central Africa

Colour Yellow-brown darkening on exposure-dark veins

Natural durability Very Durable

Characteristics      Grain: Straight to occasionally interlocked Texture: Fine to medium Silver figure: fine

Uses                    Decorative veneer, furniture, interior and exterior joinery, stairs – house flooring, boat building

Working properties      Easy sawing, slow drying, machining difficulties due to irregular grain, wood bending moderate, good gluing, nailing good (good holding properties), good finishing

### Numerical Values

Category	Green	Dry
Bending Strenght	995	1357 kg/cm <sup>2</sup>
Crushing Strenght (Perp.)		kg/cm <sup>2</sup>
Max. Crushing Strength	516	695 kg/cm <sup>2</sup>
Static Bending (FSPL)		kg/cm <sup>2</sup>
Impact Strenght	131	cm <sup>2</sup>
Stiffness	120	1k kg/cm <sup>2</sup>
Work to max. Load	1.12	1.19 cm-kg/cm <sup>3</sup>
Hardness		754 kg
Shearing Strength		152 kg/cm <sup>2</sup>
Toughness		cm-kg

Specific Gravity	0.54	0.63
Weight	721	689 kg/cm <sup>3</sup>
Density (Air dry)		737 kg/cm <sup>3</sup>
Radial Shrinkage (G->OD)		3 %
Tangential Shrink. (G->OD)		6 %
Volumetric Shrink. (G->OD)		10 %

tt Timber Group's Comments Is also known as African Teak. It has a yellow amber colouring with black stripes. This timber is used mainly for flooring but quite often for furniture as well.