

Teak (*Tectona grandis* L.f.)



Growth area: Myanmar/Burma, Indonesia, India, Thailand, Indochina and cultivated in tropical Africa en America.

Trees: The branch free trunk can get 25m in length with a diameter of about 0,9 – 1,5m.

Description: The heartwood is lightbrown till goldbrown of colour. The 3cm wide sapwood is grey of colour.



Texture/Figure: Straight grain, sometimes curly and wavy grain. Coarse texture till moderately fine texture.

Machining: Is easy to machine. Depending on the calcium and silicon levels the tools can get blunted while processing the timber.

Gluing: Well.

Drying: A slowing kilning scheme is advised. To quick drying causes dark discolorations.

Fixation: Keeps nails and screws well, pre-drilling is necessary.

Durability: Class I.

Density: Unseasoned: 800-900 kg / m³.

Hardness: 4450 N

Bending strength: 101 N/mm² (Moisture content 12-15%, measurement till rupture)

Modulus of Elasticity: 10700 N/mm² (Moisture content 12-15%)

Applications: Ship-building, chemical industry, stairs, garden furniture, deckings.