

## MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Teak

**Family:** Verbenaceae.

Native to India, Burma, Thailand, Indochina, including Indonesia, particularly Java. Extensively cultivated in plantations within its natural range as well as in tropical areas of Africa and Latin America.

**The Tree:** On favourable sites, may reach 42M to 50M in height with clear boles to 25 to 30M; trunk diameters usually 1 to 1.5M; older trees fluted and buttressed.

**General Characteristics:** Heartwood dark golden yellow, turning a dark brown with exposure, often very variable in colour when freshly machined showing blotches and streaks of various shades; sapwood pale yellowish, sharply demarcated. Grain straight, sometimes wavy; texture coarse, uneven (ring porous); dull with an oily feel; scented when freshly cut. Dust may cause skin irritations. Silica content variable, up to 1.4% is reported.

**Density:** Basic specific gravity (oven dry weight/green volume) 0.55; air-dry density 40 pcf.

**Mechanical Properties:** (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	17%	8-12%
Bending Strength	890 kg/cm <sup>2</sup>	1160 kg/cm <sup>2</sup>
Modules of Elasticity	138,220 kg/cm <sup>2</sup>	148,580 kg/cm <sup>2</sup>
Maximum Crushing Strength	450 kg/cm <sup>2</sup>	685 kg/m <sup>2</sup>
Janka	6.20 kN	8.50 kN

**Drying and Shrinkage:** Seasons slowly but with little or no degrade, large variations in drying rates reported. Kiln schedule T10-D4S is suggested for 4/4 stock and T8-D3S for 8/4. Shrinkage green to oven dry: radial 2.5%; tangential 5.8%; volumetric 7.0%. Movement in service is rated as small. High resistance to water absorption.

**Working Properties:** Easily worked with both hand and machine tools and dresses to a very smooth finish if tools are kept sharp; glues moderately well despite its oily nature. Blunting of cutters can be rather severe. As noted, may cause dermatitis some individuals.

**Durability:** Heartwood is rated as very durable with respect to decay fungi and termites; not immune to marine borers.

**Preservation:** Heartwood extremely resistant to preservative treatments, sapwood also of low permeability.

**Uses:** Shipbuilding, joinery, furniture, flooring, carving, cabinetwork, paneling, turnery, tanks and vats, fixtures requiring high resistance to acids.

Product Code	Available Range	Dimensions
TW010	Trendwood Classic – Teak	10mm x70mm
TWH10	Trendwood Herringbone – Teak	10mm x 70mm x 280mm
TW010PLUS	Trendwood Plus - Teak	15mm x 90mm
TW110	Trendwood Premium - Teak	20mm x 127mm
TW210	Scotia – Teak	19mm
TW310	Nosing Classic – Teak	20mm x 70mm
TW310PLUS	Nosing Plus - Teak	20mm x 90mm
TW410	Reducer – Teak	10mm x 2mm x 70mm
TW510	Skirting - Teak	10mm x 70mm

### How to specify your Mariposa Hardwood Floor:

- Product Code - Species – Range** eg: TW010PLUS – Teak – Trendwood Plus
- Number of Square metres – allow up to 5% wastage**
- Accessories – Nosing for any stairs, scotia or skirting for perimeter**

A large range of other products can also be manufactured in Teak on request. Included are unfinished strip flooring, inlays, borders, & medallions. Minimum order quantities apply.

Please consult your local Mariposa Hardwood Flooring expert for assistance in converting your design requirements to a beautiful solid timber floor by Mariposa.

### Mariposa Group Pty Ltd

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