

MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Merbau

Family: Leguminosae.

Also Known as: Tat-talun (Burma), Lumpha, Lumpho (Thailand), Kwila (New Guinea Vesi (Fiji Islands), Ipil (Philippines), Merbau (Malaya).

Grown: Indo-Malayan region, Indonesia, Philippines, and many of the western Pacific islands as well as Australia. May be locally common in lowland forests, transition zones behind mangroves.

The Tree: A large tree often with a rather short, thick bole, sometimes to 18M, often fluted; trunk diameters to 1.5M above large spreading buttresses.

General Characteristics: Heartwood yellowish to orange brown when freshly cut, turning brown or dark red brown on exposure; sapwood pale yellow to light buff, sharply demarcated from the heartwood. Texture rather coarse; grain straight to interlocked or wavy; lustre variable; has a characteristic odour when dry material is worked, and an astringent taste.

Density: Basic specific gravity (oven dry weight/green volume) 0.68; air-dry density 804 kg/M3.

Mechanical Properties: (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	37%	8-12%
Bending Strength	904 kg/cm ²	1182 kg/cm ²
Modules of Elasticity	142,050 kg/cm ²	156,820 kg/cm ²
Maximum Crushing Strength	476 kg/cm ²	594 kg/m ²
Janka	6.70 kN	8.60 kN

Drying and Shrinkage: Seasons well with little degrade. Shrinkage green to kiln dry: radial 2.7%; tangential 4.6%; volumetric 7.8%. Movement in service is rated as small.

Working Properties: Rather difficult to saw because of gumming of teeth and dulling of cutting edges, dresses smoothly in most operations, finishes well. Stains black in the presence of iron and moisture.

Durability: Heartwood has an average service life of 6 years in Malayan stake tests but generally reputed to have good durability; highly resistant to termite attack.

Preservation: Heartwood is impermeable, but sapwood is treatable.

Uses: Flooring, furniture, panelling, fine joinery, decorative turnery, cabinet making, musical, specialty items. The wood is also a dye source.

Product Code	Available Range	Dimensions
TW005	Trendwood Classic - Merbau	10mm x70mm
TWH05	Trendwood Herringbone – Merbau	10mm x 70mm x 280mm
TW005PLUS	Trendwood Plus - Merbau	15mm x 90mm
TW105	Trendwood Premium - Merbau	20mm x 127mm
TW205	Scotia – Merbau	19mm
TW305	Nosing Classic – Merbau	20mm x 70mm
TW305PLUS	Nosing Plus - Merbau	20mm x 90mm
TW405	Reducer – Merbau	10mm x 2mm x 70mm
TW505	Skirting - Merbau	10mm x 70mm

How to specify your Mariposa Hardwood Floor:

1. **Product Code - Species – Range** eg: TW005PLUS – Merbau – Trendwood Plus
2. **Number of Square metres – allow up to 5% wastage**
3. **Accessories – Nosing for any stairs, scotia or skirting for perimeter**

A large range of other products can also be manufactured in Merbau 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

Head Office: PO Box 1575, Brisbane, Australia, 4001 Email: floors@mariposagroup.com.au Web: www.mariposagroup.com.au