

MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Kempas

Family: Leguminosae.

Also Known as: Impas (Sabah), Mengris (Sarawak).

Grown: Malaysia and Indonesia; throughout lowland forests in rather swampy areas and also on hillsides.

The Tree: May reach a height of 60M with clear, usually straight boles to 25 to 30M, trunk diameters may reach 1.8M and more over heavy buttresses.

General Characteristics: Heartwood brick red when freshly cut, darkening on exposure to an orange red or red brown with numerous yellow-brown streaks due to soft tissue associated with the pores; sapwood white or pale yellow about 50mm wide in large trees and clearly defined. Grain typical- interlocked, sometimes wavy; texture rather coarse; lustre variable; odour and taste not distinctive. The timber is slightly acidic and may be corrosive to metals. Streaks of brittle stone-like tissue are fairly common and are a source of mechanical weakness.

Density: Basic specific gravity (oven dry weight/green volume) 0.72; air-dry density 745kg/M3.

Mechanical Properties: (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	37%	8-12%
Bending Strength	1022 kg/cm ²	1245 kg/cm ²
Modules of Elasticity	169,445 kg/cm ²	189,130 kg/cm ²
Maximum Crushing Strength	558 kg/cm ²	670 kg/m ²
Janka	6.62 kN	7.65 kN

Drying and Shrinkage: The timber usually dries well though with some tendency to warping and checking. If included phloem is present, splits are liable to develop. Shrinkage green to kiln dry: radial 6.0%; tangential 7.4%; volumetric 14.5%. Reported to hold its place well once seasoned.

Working Properties: The timber is difficult to work with hand and machine tools; dresses to a reasonably smooth surface.

Durability: Reported to be resistant to attack by decay fungi.

Preservation: Reported to treat readily with absorptions of preservative oils as high as 320 kg/m³.

Uses: Heavy construction work, plywood core stock, parquet flooring.

Product Code	Available Range	Dimensions
TW001	Trendwood Classic – Kempas	10mm x70mm
TWH01	Trendwood Herringbone – Kempas	10mm x 70mm x 280mm
TW001PLUS	Trendwood Plus - Kempas	15mm x 90mm
TW101	Trendwood Premium - Kempas	20mm x 127mm
TW201	Scotia – Kempas	19mm
TW301	Nosing Classic – Kempas	20mm x 70mm
TW301PLUS	Nosing Plus - Kempas	20mm x 90mm
TW401	Reducer – Kempas	10mm x 2mm x 70mm
TW501	Skirting - Kempas	10mm x 70mm

How to specify your Mariposa Hardwood Floor:

1. **Product Code - Species – Range** eg: TW001PLUS – Kempas – 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 Kempas 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

