



MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Walnut

Family: Juglandaceae.

The walnut/butternut group (*Juglans* spp.) contains 15 species which grow in South America [6], Eurasia [4] and North America [6]. The word *juglans* is the classic Latin name of walnut, meaning nut of Jupiter.

Grown Black walnut is native to the eastern United States, from southern Minnesota east to Pennsylvania, New Jersey, New York; south to South Carolina, Georgia, Florida, Alabama; west to Texas; and north through Oklahoma, Kansas, Nebraska, and South Dakota.

The Tree: Black walnut trees reach heights of 37M, with a diameter of over 1M.

General Characteristics: The sapwood of black walnut is nearly white, while the heartwood is light brown to dark, chocolate brown, often with a purplish cast and darker streaks. The wood is heavy, hard, and stiff and has high shock resistance.

Density: Basic specific gravity (oven dry weight/green volume) 0.55; air-dry density 609 kg/M3.

Mechanical Properties: (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	30%	8-12%
Bending Strength	605 kg/cm ²	841 kg/cm ²
Modules of Elasticity	122,050 kg/cm ²	132,820 kg/cm ²
Maximum Crushing Strength	362 kg/cm ²	496 kg/m ²
Janka	3.82 kN	4.45 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
TW007	Trendwood Classic - Walnut	10mm x70mm
TWH07	Trendwood Herringbone – Walnut	10mm x 70mm x 280mm
TW007PLUS	Trendwood Plus - Walnut	15mm x 90mm
TW107	Trendwood Premium - Walnut	20mm x 127mm
TW207	Scotia – Walnut	19mm
TW307	Nosing Classic – Walnut	20mm x 70mm
TW307PLUS	Nosing Plus - Walnut	20mm x 90mm
TW407	Reducer – Walnut	10mm x 2mm x 70mm
TW507	Skirting - Walnut	10mm x 70mm

How to specify your Mariposa Hardwood Floor:

- Product Code - Species – Range** eg: TW007PLUS – Walnut – 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 Walnut 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.

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