

MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Maple

Family: Aceraceae.

Throughout most of North America, with commercial species in the eastern United States and Canada and the western coast of the United States (bigleaf maple).

The Tree: Maples grow to heights of 36M, with a diameter of 1.0M. Forest grown trees may have a clear bole of 18M.

General Characteristics: Maple lumber comes principally from the Middle Atlantic and Lake States, which together account for about two-thirds of the production. The wood of sugar maple and black maple is known as hard maple; that of silver maple, red maple, and boxelder as soft maple. The sapwood of the maples is commonly white with a slight reddish-brown tinge; the heartwood is light reddish brown, but sometimes is considerably darker. The sapwood is from 3 to 5+ inches (76 to 127+ mm) thick.

Hard maple has a fine, uniform texture, turns well on a lathe, is resistant to abrasion and has no characteristic odor or taste. It is heavy, strong, stiff, hard, and resistant to shock, and it has large shrinkage. Sugar maple is generally straight grained but the grain also occurs as "birds-eye," "curly," and "fiddleback" grain.

The wood of soft maples resembles that of hard maples but is not as heavy, hard and strong, the better grade of soft maple has been substituted for hard maple in furniture. The sapwood in the soft maples is considerably wider than that in the hard maples and has a lighter heartwood color.

Maple lumber sometimes has olive or greenish black discolored areas known as mineral streak or mineral stain, which may be due to injury. Maple wood stains well and takes a high polish. It is intermediate in gluing and has low decay resistance.

Density: Basic specific gravity (oven dry weight/green volume) 0.48; air-dry density 915 kg/M3.

Mechanical Properties: (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	34%	8-12%
Bending Strength	740 kg/cm ²	1070 kg/cm ²
Modules of Elasticity	133,620 kg/cm ²	168,590 kg/cm ²
Maximum Crushing Strength	450 kg/cm ²	750 kg/m ²
Janka	6.20 kN	8.50 kN

Drying and Shrinkage: Seasons well with little degrade. Shrinkage green to kiln dry: radial 3.0% Tangential 5.7%; volumetric 9.3%. Movement in service is rated as small.

Working Properties: The wood turns well, is harder to work than softer woods, and has high nail-holding ability. It stains and polishes well, but is intermediate in gluing.

Durability: Rated as slightly or nonresistant to heartwood decay.

Preservation: Moderately resistant to penetration with preservatives.

Uses: Lumber, distillation, veneer, crossties, paper pulp, flooring, furniture, pallets, boxes and crates, shoe lasts, handles, woodenware, novelties, spools and bobbins, bowling alleys, dance floors, piano frames, bowling pins, cutting blocks, pulpwood and turnery.

Product Code	Available Range	Dimensions
TW002	Trendwood Classic – Maple	10mm x 70mm
TWH02	Trendwood Herringbone – Maple	10mm x 70mm x 280mm
TW002PLUS	Trendwood Plus - Maple	15mm x 90mm
TW102	Trendwood Premium - Maple	20mm x 127mm
TW202	Scotia – Maple	19mm
TW302	Nosing Classic – Maple	20mm x 70mm
TW302PLUS	Nosing Plus - Maple	20mm x 90mm
TW402	Reducer – Maple	10mm x 2mm x 70mm
TW502	Skirting - Maple	10mm x 70mm

How to specify your Mariposa Hardwood Floor:

- Product Code - Species – Range** eg: TW002PLUS – Maple – 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 Maple 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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