

MARIPOSA HARDWOOD TIMBER FLOORING DATA SHEET – Birch

Family: Betulaceae.

North America: Yellow birch, sweet birch, and paper birch grow principally in the Northeastern and Lake States. Yellow and sweet birch also grow along the Appalachian Mountains to northern Georgia. Paper birch is also found throughout Canada and Alaska. Yellow, sweet, and paper birch are the source of most birch lumber and veneer.

The Tree: Oaks can reach a height of 38M, with large diameters. Birches can reach a height of 21M, with a diameter of more than 0.6M.

General Characteristics: The wood varies slightly among species. The wood of yellow birch and sweet birch is heavy, hard and strong, while that of paper birch is lighter, and less hard, strong and stiff. All birches have a fine, uniform texture. Paper birch is easy to work with hand tools; sweet birch and yellow birch are difficult to work with hand tools and difficult to glue, but easily machined. Yellow birch has white sapwood and light reddish-brown heartwood. Sweet birch has light-colored sapwood and dark brown heartwood tinged with red.

Density: Basic specific gravity (oven dry weight/green volume) 0.62; air-dry density 804 kg/M3.

Mechanical Properties: (50mm standard)

TEST	GREEN	KILN DRIED & CONDITIONED
Moisture Content	32%	8-12%
Bending Strength	785 kg/cm ²	1023 kg/cm ²
Modules of Elasticity	103,420 kg/cm ²	138,590 kg/cm ²
Maximum Crushing Strength	296 kg/cm ²	668 kg/m ²
Janka	3.40 kN	5.60 kN

Drying and Shrinkage: Seasons well with little degrade. Shrinkage green to kiln dry: radial 5.8% Tangential 7.4%; volumetric 13.4%. Movement in service is rated as moderate.

Working Properties: Working properties may vary with species. In general, birches split during nailing; if successfully nailed, they have good nail-holding properties.

Durability: Rated as slightly or nonresistant to heartwood decay.

Preservation: No information available at this time.

Uses: Yellow and sweet birch lumber and veneer are used principally in the manufacture of flooring, furniture, boxes, baskets, crates, wooden ware, cooperage, interior finish, and doors. Birch veneer goes into plywood used for flush doors, furniture, paneling, radio and television cabinets, aircraft, and other specialty uses. Paper birch is used for turned products, including spools, bobbins, small handles, and toys. Also used for pulp wood, fuel wood, turnery, distillation products, toothpicks, ice cream sticks and tongue depressors.

Product Code	Available Range	Dimensions
TW011	Trendwood Classic – Birch	10mm x70mm
TWH11	Trendwood Herringbone – Birch	10mm x 70mm x 280mm
TW011PLUS	Trendwood Plus - Birch	15mm x 90mm
TW111	Trendwood Premium - Birch	20mm x 127mm
TW211	Scotia – Birch	19mm
TW311	Nosing Classic – Birch	20mm x 70mm
TW311PLUS	Nosing Plus - Birch	20mm x 90mm
TW411	Reducer – Birch	10mm x 2mm x 70mm
TW511	Skirting - Birch	10mm x 70mm

How to specify your Mariposa Hardwood Floor:

1. **Product Code - Species – Range** eg: TW011 PLUS – Birch – 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 Birch 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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