# Tasmanian Ash

by Britton Timbers

## Technical Specification Guide


BRITTON TIMBERS

**Tasmanian Ash is the emerging Tasmanian hardwood eucalypt species specifically grown in managed plantations for solid wood applications. Unique to Tasmania, Tas Ash is certified sustainable under PEFC (Responsible Wood) with full chain of custody. It is available in sliced veneer, veneered panels, sawn boards for furniture and joinery, moulded products, and flooring - Ideal for interior fit out projects.**

## Tasmanian Ash Visual Appearance

(colour, grain, texture)

The Tasmanian Ash colour palette is a consistent light blond, sometimes exhibiting an interlocking and figured grain pattern. It is a clear, pale straw-coloured timber. The timber's texture is moderately coarse with a straight grain. Given the heartwood's consistent pale colour and provenance, Tasmanian Ash is ideal for utilisation in projects seeking a premium aesthetic where the brief calls for local, beautiful and sustainable timber.

## Table 1

Mechanical properties of Tasmanian Ash (plantation E. nitens)

| Property | **Tasmanian Ash** (plantation E.nitens) |
|---|---|
| Density: Basic (kg/m³) | 468 |
| Density: MC 12% (kg/m³) | 517 |
| Density: Unseasoned (kg/m³) | 998 |
| Shrinkage (green to 12% MC): Before reconditioning (%) | Radial: 3.4%, Tangential 9.2% |
| Shrinkage (green to 12% MC): After reconditioning (%) | Radial: 2.3%, Tangential 4.5% |
| Unit movement (25 – 5% MC) (%) | Radial: 0.22%, Tangential 0.38% |
| Hardness (Janka): Unseasoned (kN) | 3.4 |
| Hardness (Janka): Seasoned (kN) | 4.4 |

## Table 2

Structural Properties of Tasmanian Ash (plantation E.nitens). Testing to AS/NZS 4063.1.

| Property | **Tasmanian Ash** (plantation E.nitens) |
|---|---|
| Modulus of elasticity (MOE): Unseasoned (GPa) | 11.12 |
| Modulus of elasticity (MOE): Seasoned (GPa) | 14.14 |
| Modulus of rupture (MOR): Unseasoned (MPa) | 25.2 |
| Modulus of rupture (MOR): Seasoned (MPa) | 38.25 |
| Strength group: Unseasoned | S5 (provisional) |
| Strength group: Seasoned | SD6 (provisional) |
| Joint group: Unseasoned | J4 |
| Joint group: Seasoned | JD4 |

## Table 3

General workability of Tasmanian Ash (plantation E.nitens).

| Characteristic | Description |
|---|---|
| General Workability | Tasmanian Ash is resilient and relatively easy to work. |
| Bending | Very good |
| Blunting | Low to moderate. |
| Boring | Easy to drill, holes clean and to size. |
| Finishing | Readily worked to a smooth, lustrous surface. Stains and finishes very well. |
| Gluing | Glues well with common adhesives. |
| Moulding | Surfaces true, clean and even. |
| Nailing | Pre-drilling necessary near board ends. |
| Planing | Moderate feeding forces required. Surfaces smooth and even. |
| Rebating + Mortising | Produces excellent results. |
| Sawing | Cuts cleanly. |
| Turning | Turns well but is prone to tear out. |

## Table 4

Durability of Tasmanian Ash (plantation E.nitens).

| Property | **Tasmanian Ash** (plantation E.nitens) |
|---|---|
| Durability: In-ground contact | Durability Class 4 (assumed) |
| Durability: Outside above ground | Durability Class 3 (assumed) |
| Durability: Marine Borer resistance | Durability Class 4 (assumed) |
| Durability: Termite resistance of heartwood | Not resistant |
| Lyctid susceptibility of sapwood | Lyctid susceptible |

Fire hazard properties are to be determined.