Tasmania Timber

Huon Pine Properties

Availability & Appearance	
General Availability	Very rare. Only a limited amount is released onto the market each year.
Appearance Grade	Available
Plantation	Not available
Structural Grade	Not available
Veneer	Very limited (mainly decorative thicknesses)
Sizes	Undressed seasoned timber 25 to 350 mm wide by 25 to 50 mm thick. Lengths up to 5400 mm long are available.
Colour	Light straw, ageing to dull yellow.
Grain	Straight fine and even, sometimes with birds-eye figuring. Growth rings are conspicuous and usually wavy.
Texture	Close, uniform and smooth.

Density	Unseasoned	Seasoned
Density (per standard)	950 kg/m3	550 kg/m3

Seasoned density is based on moisture content of 12%. Unseasoned density is an approximation as it depends on the moisture content at the time of measurement. Measured kg/m3.

Tasmanian timber is sustainably grown, harvested and processed to meet the highest standards in quality and environmental practice.

For further information contact:

Locked Bag 1324, Launceston,Tasmania, 7250
Phone: 1300 041 766 — (international callers: +613 6324 4081)
Email: contact@tasmaniantimber.com.au

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Durability	
Above-Ground	Class 3
In-Ground	Class 3
Susceptible to Lyctid Borer	No
Termite Resistant	Yes

Species Specific Notes: Termite resistance of heartwood: Resistant. Refer to AS 5604-2005 Timber - Natural durability ratings.

Durability is defined as the inherent resistance of a timber species to decay, or to insect or marine borer attack. All references to durability refer to the heartwood only. A scale of low to high - durability class 4 = low (0-5yrs); 3 = (5-15yrs); 2 = (15-25yrs) ; 1 = high (25yrs+) - has been adapted for in-ground durability.

Environmental Details	
Resource	Native - Rainforest
Reserves	85% of total Huon Pine forest types are reserved.
Certification	Available
Chain of Custody	Available
Carbon Storage	242 kg/m3
R Values	0.74 (100mm)

Joint	Unseasoned	Seasoned
Joint Group	J4	JD4

The joint group is a classification of the strength of a species in joint design. The values are from 1 (very high strength) to 6 (very low strength).

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Movement	
Radial	0.14% per 1% MC change
Tangential	0.27% per 1% MC change

Radial and tangential movement is the percentage of dimensional change for each 1% moisture content change between about 3% moisture content and the fibre saturation point for the particular species. Between (FSP) 25% and 5%MC. Figures are approximate.

Shrikage	
Radial	2.5%
Tangential	3.5%

Tangential shrinkage is the measure of the percentage reduction in dimension from the unseasoned to 12% moisture content condition. Radial shrinkage is perpendicular to the growth rings, it is shrinkage in the direction towards the centre of the tree. Measurement is % value. Green to 12%MC. Figures are approximate.

Stress	Unseasoned	Seasoned
Common Structural Grades	Not available	Not available
Structural Grades	F7-F14	F4-F8

A stress grade is defined in AS 1720 as the classification of timber for structural purposes by means of either visual or machine grading. The stress grade indicates the basic working stresses and stiffnesses to be used for structural design purposes. Measured in MPa.

Strength	Unseasoned	Seasoned
Strength Group	S6	SD6

Strength groups are given for unseasoned (S1-S7) and seasoned (SD1-SD8) timber in accordance with AS 2878. S1 and SD1 yield the highest strength and stiffness whereas S7 and SD8 yield the lowest.

Quality Tasmanian Timber Product TM

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Responsible Wood

PEFC Promoting Sustainable Forest Management www.pefc.org.au

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Workability	
General Workability	Very easily worked, may be highly polished and is a very good bending timber.
Bending	Very good to fair bending timber. 25mm material bends fairly well to a radius of 50mm.
Blunting	Slight.
Boring	Easy to drill. Holes are clean and to size.
Finishing	Good results can be obtained. Use of some finishes may require washing with an organic solvent to remove some of the natural oils.
Gluing	Difficulties can arise due to the presence of natural oils. Preparation may require washing with an organic solvent. Formaldehyde glues usually give the best results; other may have problems.
Moulding	Produces excellent mouldings.
Nailing	Nails hold fairly well, except on end grain where timber can tend to split.
Planing	Low feeding forces required. Surfaces very smooth and lustrous.
Rebating + Mortising	Generally produces good results.
Sawing	Cuts cleanly and accurately with low feeding force.
Turning	An exceptional turning timber.

Source: Centre for Sustainable Architecture with Wood (CSAW), Wood Solutions

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