



Back Cover: Photo Credit - Marques Flooring Product - Blackbutt Parquetry
 Front Cover: Photo Credit - NJH flooring - East Coast Jarrah flooring



HARDWOOD TIMBER PRODUCTS

Pentarch Forestry is one of the largest manufacturers of Australian hardwood products and the industry leader in hardwood flooring. The company's solid hardwood products are manufactured at mills throughout New South Wales.

- 19mm Solid Hardwood Flooring
- Overlay Solid Strip Hardwood Flooring
- Hardwood Decking
- Engineered Flooring
- Hardwood Cladding and Lining
- Screening
- Parquetry
- Structural Solid Seasoned Hardwood
- Green Hardwood



Sustainably Grown. Australian Made.

Note: Variations within a timber species are normal, therefore photographs, samples and displays can only be indicative of colour and should not be used for final selection. It is normal for natural timber products to react to changes in atmospheric and environmental conditions such as humidity and temperature.

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HARDWOOD TIMBER

SPECIES QUICK REFERENCE GUIDE

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This information has been prepared by Pentarch Forestry as a guide for designers, specifiers and builders to assist with the specification of hardwood timber products. This guide should not be used as the sole means of research. If there are any concerns regarding information in this document please contact Pentarch Forestry. Pentarch Forestry should be consulted before completing design documentation, specification ordering to ensure up to date and correct information is used.

Species Properties			Janka (Hardness) Rating	Natural Durability Class		Density (kg/m ³)		Strength Group		Joint Group		Fire						Tangential Shrinkage (%)	Toughness ^ (Nm)		Naturally Termite Resistant to AS3660 R = Resistant NR = Non resistant	Naturally Lyctus Susceptible S = Susceptible NS = Non susceptible	Products
Species Name	Botanical Name	Colour Range		Dry	In-Ground Contact	Outside Above Ground Contact	Unseasoned (Green)	Seasoned (Dried)	Unseasoned (Green)	Seasoned (Dried)	Unseasoned (Green)	Seasoned (Dried)	Spread-of-Flame Index	Smoke-Developed Index	Critical Radiant Flux	Smoke Development Rate	Group Number		Highest BAL Rating [†]	Naturally Unseasoned (Green)			
Blackbutt	Eucalyptus Pilularis	Blonde	8.9	2	1	1100	900	S2	SD2	J2	JD2	7	3	>2.2 and <4.5	<750	3	BAL-29	7.3	Medium	Medium	R	NS	Cladding Decking Flooring Screening Structural
Brushbox	Lophostemon Confertus, Syn: Tristania Conferta	Brown	9.1	3	3	1190	890	S3	SD3	J2	JD2	7	2	>2.2 and <4.5	<750	3	BAL-19	9.7	Medium	Medium	R	NS	Flooring
East Coast Jarrah*	Blend of Red Hardwood Species	Red	8.1	3	2	1110	840	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	9.5	Medium	Medium	NR	S	Flooring
Flooded (Rose) Gum	Eucalyptus Grandis	Red	7.3	3	2	1060	750	S3	SD4	J2	JD2	7	3	>2.2 and <4.5	<750	3	BAL-19	7.2	Medium	Medium	NR	NS	Flooring
Forest Reds*	Blend of Red Hardwood Species	Red	8.1	3	2	1110	840	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	9.5	Medium	Medium	NR	S	Cladding Decking
Grey Gum	Eucalyptus Propinqua	Red	14.0	1	1	1250	1050	S1	SD2	J1	JD1	0	3	-	<250	3	BAL-19	7.0	Medium	Medium	R	NS	Decking
Ironbark	Eucalyptus Peniculata	Brown	16.0	1	1	1170	1106	S1	SD1	J1	JD1	0	3	>2.2 and <4.5	<750	3	BAL-19	7.5	High	High	R	NS	Cladding Decking Flooring Structural
Mixed Hardwood	Blend of Hardwood Species	Blonde Brown Red	-	-	-	-	-	-	-	-	-	-	-	-	-	3	BAL-19	-	-	-	-	-	Decking Flooring Screening Structural
New England Blackbutt	Eucalyptus Andrewsii	Blonde	9.2	2	2	1150	850	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	11.4	Medium	Medium	R	S	Flooring
Northern Chestnut^^	Blend of Blonde Hardwood Species	Blonde	7.3	3	3	1090	770	S3	SD3	J3	JD3	5	3	>2.2 and <4.5	<750	3	BAL-19	11.3	Medium	Medium	NR	S	Flooring
Red Mahogany	Eucalyptus Resinifera, E. Pellita	Red	12.0	2	1	1200	950	S2	SD3	J1	JD1	5	3	>2.2 and <4.5	<750	3	BAL-19	6.3	Medium	Medium	R	S	Decking Flooring
Silvertop Ash	Eucalyptus Sieberi	Brown	9.7	3	2	1100	850	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-29	10.6	Medium	Medium	NR	NS	Decking Flooring
Spotted Gum	Eucalyptus Maculata, Syn: Corymbia Maculata, C. Citriodora, Syn: E. Citriodora, C. Henryi, Syn: E Henryi	Brown	10.1	2	1	1180	990	S2	SD2	J1	JD1	3	3	>2.2 and <4.5	<750	3	BAL-29	6.1	High	High	R	S	Cladding Decking Flooring Screening Structural
Stringybark**	Eucalyptus Eugenioides, E. Muellieriana, E. Cameronii	Blonde	8.6	3	2	1150	885	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	7.5	Medium	Medium	R	NS	Cladding Decking Flooring
Stringybark Yellow	Eucalyptus Muellieriana	Blonde	8.6	3	2	1150	885	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	7.5	Medium	Medium	R	NS	Decking
Sydney Blue Gum	Eucalyptus Saligna	Red	8.1	3	2	1110	840	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	BAL-19	9.5	Medium	Medium	NR	S	Flooring
Tallowwood	Eucalyptus Microcorys	Brown	8.6	1	1	1200	990	S2	SD2	J1	JD1	5	4	>2.2 and <4.5	<750	3	BAL-19	6.1	Medium	Medium	R	S	Decking Flooring Screening Structural
Turpentine	Syncarpia Laurifolia, Syn: S. Glomulifera	Red	11.6	2	1	1170	945	S3	SD3	J2	JD2	5	3	>2.2 and <4.5	<750	3	BAL-29	13.0	Medium	Medium	R	NS	Cladding Decking Flooring
White Mahogany	Eucalyptus Acmenoides	Blonde	12.0	1	1	1150	950	S2	SD3	J1	JD1	0	3	-	<250	3	BAL-19	5.4	Medium	Medium	R	NS	Decking Flooring

*East Coast Jarrah: properties based on Sydney Blue Gum *Forest Reds: properties based on Sydney Blue Gum ^^Northern Chestnut: properties based on Messmate
**Stringybark: properties based on Yellow Stringybark *BAL-12.5, BAL-19, BAL-29 ALL AS 3959 required applications ^Medium (15-24Nm), High (25Nm and Above)
Information provided by Wood Solutions