

Species quick reference guide

DECORATIVE HARDWOOD TIMBER



Timber and environmental sustainability

Boral Timber products are AFS Chain of Custody certified. This provides peace of mind that Boral Timber's products are sourced from sustainably managed and legal forestry. The certification is linked to the world's largest forest management certification scheme (PEFC) and is the only Australian forest management certification scheme with an Australian Standard (4708-2007). For more details on Boral Timber's sustainability credentials, ask for the Building a Sustainable Future brochure or visit www.boral.com.au/timber

River Reds

Species Quick Reference Guide

This information has been prepared by the Timber Development Association for Boral Timber 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 Boral Timber. Boral Timber should be consulted before completing design documentation, specification or ordering to ensure up to date and correct information is used.

Boral Timber

Boral Timber is one of the largest manufacturers of Australian hardwood products and the industry leader in hardwood flooring.

The company's hardwood products are manufactured at mills throughout New South Wales and at a dedicated engineered flooring manufacturing facility at Murwillumbah.

Boral Timber's position as market leader is retained through a measured policy of Quality Assurance. The Boral Quality Assurance Program consistently ensures high quality across the entire product range.

Boral Timber Hardwood Products

Hardwood Flooring

- Solid strip flooring - 19mm and overlay
- Engineered flooring - 18mm and 15mm
- Parquetry

Hardwood Decking

- Residential decking
- Commercial decking

Hardwood Structural

- Green hardwoods
- F27 and F17 kiln dried hardwoods

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Species quick reference guide

Species Properties			Janka (Hardness) Rating	Natural Durability Class		Density (kg/m3)		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	Availability	Price Indication
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	Naturally Bushfire-resisting Timber		Naturally Unseasoned (Green)	Seasoned (Dried)					
Australian Beech *	Blend of lighter hardwood species	Blonde	7.1	3	3	1080	770	S3	SD3	J3	JD3	5	3	>2.2 and <4.5	<750	3	unknown	11.3	16	15	NR	S	Flooring	1	\$
Blackbutt	Eucalyptus pilularis	Blonde	9.1	2	1	1100	880	S2	SD2	J2	JD2	9	3	>2.2 and <4.5	<750	3	Yes	7.3	21	22	R	NS	Flooring Decking Structural Cladding	1	\$\$
Brushbox	Lophostemon confertus, Syn: Tristania conferta	Brown	9.5	3	3	1160	900	S3	SD3	J2	JD2	3	2	>2.2 and <4.5	<750	3	unknown	9.7	17	15	R	NS	Flooring	3	\$\$
Flooded (Rose) Gum	Eucalyptus grandis	Red	7.5	3	2	950	750	S3	SD4	J2	JD2	7	3	>2.2 and <4.5	<750	3	unknown	7.5	15	16	NR	NS	Flooring	1	\$
Forest Reds**	Blend of red hardwood species	Red	9	3	2	1100	850	S3	SD3	J2	JD2			>2.2 and <4.5	<750	3	unknown	9.5	16	23	NR	S	Flooring Decking	1	\$
Grey Ironbark	Eucalyptus drepanophylla, E. paniculata, E. siderophloia, E. decepta	Brown	14	1	1	1210	1090	S1	SD1	J1	JD1	3	3	>2.2 and <4.5	<750	3	unknown	7.5	24	27	R	NS	Flooring Decking	1	\$\$\$
Red Ironbark	Eucalyptus sideroxylon	Red	13	1	1	1220	1090	S2	SD3	J1	JD1	5	3	>2.2 and <4.5	<750	3	Yes	6.3	17	14	R	S	Flooring	3	\$\$\$
Jarrah	Eucalyptus marginata	Red	8.5	2	2	1170	820	S4	SD4	J2	JD2	3	3	>2.2 and <4.5	<750	3	unknown	7.4	13	10	R	S	Flooring Decking	2	\$\$
Karri	Eucalyptus diversicolor	Red	9	3	2	1200	900	S3	SD2	J2	JD2	7	3	>2.2 and <4.5	<750	3	unknown	9.9	21	24	NR	NS	Flooring	2	\$\$
Messmate	Eucalyptus obliqua	Blonde	7.1	3	3	1080	770	S3	SD3	J3	JD3	5	3	>2.2 and <4.5	<750	3	unknown	11.3	16	15	NR	S	Flooring	1	\$
New England Oak (Manna Gum)	Eucalyptus viminalis	Blonde	6	4	3	1100	770	S4	SD4	J3	JD2			>2.2 and <4.5	<750	3	unknown	12.0	18	12	NR	S	Flooring Structural	1	\$
Red Mahogany	Eucalyptus resinifera, E. pellita	Red	12	2	1	1150	960	(S2)	(SD3)	J1	JD1	6	3	>2.2 and <4.5	<750	3	unknown	6.3	14	15	R	S	Flooring Decking	1	\$\$
River Reds	Eucalyptus grandis	Red	7.5	3	2	950	750	S3	SD4	J2	JD2	7	3	>2.2 and <4.5	<750	3	unknown	7.5	15	16	NR	NS	Decking	1	\$
Spotted Gum	Eucalyptus maculata, Syn: Corymbia maculata, C. citriodora, Syn: E. citriodora, C. henryi, Syn: E henryi	Brown	11	2	1	1150	990	S2	SD2	J1	JD1	3	3	>2.2 and <4.5	<750	3	Yes	6.1	20	24	R	S	Flooring Decking	2	\$\$\$
Stringybark***	Blend of Stringybark species	Blonde	8	3		1000	770	(S5)	(SD5)	(J2)	(JD2)						unknown		15				Flooring Decking	1	\$
Sydney Blue Gum	Eucalyptus saligna	Red	9	3	2	1100	850	S3	SD3	J2	JD2			>2.2 and <4.5	<750	3	unknown	9.5	16	23	NR	S	Flooring	2	\$
Tallowwood	Eucalyptus microcorys	Brown	8.6	1	1	1230	990	S2	SD2	J1	JD1	5	4	>2.2 and <4.5	<750	3	unknown	6.1	20	17	R	S	Flooring Decking	2	\$\$\$
Tasmanian Oak	Eucalyptus delegatensis, E. obliqua & E. regnans	Blonde	4.9	4	3	1050	650	S4	SD4	J3	JD3	8	3	>2.2 and <4.5	<750	3	unknown	13.3	13	15	NR	S	Flooring	2	\$
Turpentine	Syncarpia laurifolia, Syn: S. glomulifera	Red	12	2	1	1130	940	S3	SD3	J2	JD2	6	3	>2.2 and <4.5	<750	3	Yes	13.0	14	9.5	R	NS	Flooring	3	\$\$\$

*Australian Beech: provided properties based on Messmate
 **Forest Reds: provided properties based on Sydney Blue Gum
 ***Stringybark: provided properties based on Diehard Stringybark
 Information provided by the Timber Development Association

Availability	Price indication
1 Readily Available	\$ Budget
2 Limited availability	\$\$ Moderate
3 May be unavailable dependant on resources	\$\$\$ Premium