

# Species quick reference guide

## DECORATIVE HARDWOOD TIMBER



### Timber and environmental sustainability

Boral Timber solid hardwood products are AFS chain of custody certified (AS 4707-2006), the only chain of custody certification process that is an Australian Standard. This provides peace of mind that the timber manufactured from Boral Timbers Australian mills is sourced from sustainably managed and legal forestry. The Australian Forestry Standard Scheme has mutual recognition by the Programme for the Endorsement of Forest Certification Scheme (PEFC) – the world's largest forest management certifier.

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 solid hardwood products are manufactured at mills throughout New South Wales.

### Boral Timber Solid Hardwood Products

#### Hardwood Flooring

- Solid strip flooring - 19mm and overlay
- Parquetry

#### Hardwood Decking and Cladding

- Residential decking
- Commercial decking
- Hardwood Cladding

#### Hardwood Structural

- Green hardwoods
- F27 and F17 kiln dried hardwoods

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Boral® and Build something great™ are trademarks or registered trade marks of Boral Limited or one of its subsidiaries. Note: Variations of colour within a timber species are normal, therefore photographs, samples and display floors can only be indicative of the colour range of the timber species nominated. Timber is a natural product and commonly reacts to changes in atmospheric conditions such as humidity and temperature. This is considered normal. It is recommended that these species are viewed at a timber flooring showroom before a decision is made on colour.

# 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

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