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BORAL

HARDWOOD TIMBER

SPECIES QUICK REFERENCE GUIDE

FEBRUARY **2020**

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This information has been prepared by 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 orordering to ensure up to date and correct information is used.

Species Properties			Janka (Hardness) Rating	Natural Durability Class		Density (kg/m³)		Strength Group		Joint Group		Fire							Toughness^ (Nm)				
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	Tangential Shrinkage (%)	Naturally Unseasoned (Green)	Seasoned (Dried)	Naturally Termite Resistant to AS3660 R = Resistant NR = Non resistant	Naturally Lyctus Susceptible S = Susceptible NS = Non susceptible	Products
Australian Beech*	Blend of Lighter 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
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 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
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	Decking Flooring
Grey Ironbark	Eucalyptus Drepanophylla, E. Siderophloia, E. Decepta	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
Red Ironbark	Eucalyptus Sideroxylon	Red	11.9	1	1	1160	1050	S2	SD3	J1	JD1	5	3	>2.2 and <4.5	<750	3	BAL-29	6.3	High	Medium	R	S	Flooring
Messmate	Eucalyptus Obliqua	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
New England Oak (Manna Gum)	Eucalyptus Viminalis	Blonde	5.8	4	3	1000	780	S4	SD4	J3	JD2	–	–	>2.2 and <4.5	<750	3	BAL-19	12.0	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
River Reds	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	Decking
Royal Reds	Blend of Red Hardwood Species	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
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 Silvertop	Eucalyptus Laevopinea	Blonde	8.8	2	2	1050	850	S2	SD2	J4	JD2	5	3	–	<250	3	BAL-19#	10.0	–	–	NR	NS	Structural
Stringybark Yellow	Eucalyptus Muelleriana	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	20	17	R	S	Decking Flooring
Tasmanian Oak	Eucalyptus Delegatensis, E. Obliqua & E. Regnans	Blonde	4.9	4	3	1050	650	S4	SD4	J3	JD3	–	–	>2.2 and <4.5	<750	3	Not Tested	13.3	Medium	Medium	R	NS	Flooring
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	Decking Flooring
White Mahogany	Eucalyptus Acmenoides	Blonde	12.0	1	1	1150	950	S2	SD3	J1	JD1	0	3	–	–	3	BAL-19	5.4	Medium	Medium	R	NS	Cladding Decking

*Australian Beech: provided properties based on Messmate **Forest Reds: provided properties based on Sydney Blue Gum #BAL-12.5, BAL-19 ALL AS3959 required applications

^Medium (15-24Nm), High (25Nm and Above) Information provided by Wood Solutions

Back Cover: Photo Credit - Daniel Jordan Homes
Product - Spotted Gum Grande Parquetry

Front Cover: Photo Credit - Stuart James Pty Ltd
Product - Blackbutt Shiplap Cladding

Boral Timber Solid Hardwood Products

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.

Timber The Ultimate Renewable™

Responsible Wood RW/1-31-38

PEFC™ PEFC/21-31-38

Promoting sustainable forest management

Flooring

• Solid Strip Flooring - 19mm and overlay • Parquetry

Decking

• Residential • Commercial

Cladding & Lining

• External and Internal Profiles

Structural

• F27 • Green

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

www.boral.com.au/timber

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