

# Staircase components



Pictured here examples of Crafted Hardwoods Blackbutt treads, quarter-sawn option.

## FEATURES

- Engineered solid hardwood with the look, feel and properties of traditional timber
- Sustainably sourced, VOC free, recyclable
- Secure supply chain, competitive pricing
- Uniform and consistent colour
- Allows the use of unique patch fittings
- Solid timber treads up to 480x240x2450mm, eliminating the need for lamination
- Proudly Australian made

Timber manufactured by Crafted Hardwoods using 3RT's new advanced technology for sustainable forestry.

[WWW.CRAFTEDHARDWOODS.COM](http://WWW.CRAFTEDHARDWOODS.COM)

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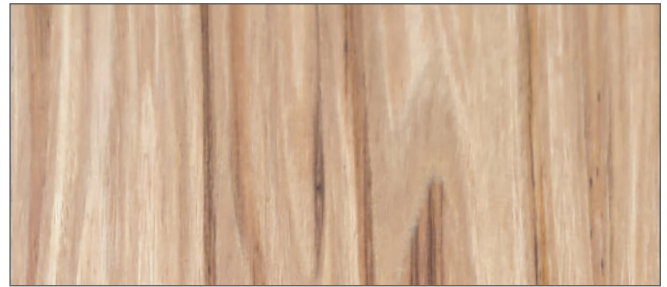
## FINISH OPTIONS

Select your cut type. The unique engineered fold pattern and square dimensions means you can choose a cut that suits your application and finish.



### QUARTER SAWN

Modern look with clean linear finish.



### BACK SAWN

Rustic look with natural timber features exposed for character.

SPECIES TECHNICAL INFORMATION	Blackbutt	White Gum	Tasmanian Oak
Density	950kg/m <sup>3</sup>	800kg/m <sup>3</sup>	770kg/m <sup>3</sup>
Modulus of Elasticity (MOE)	20,680 Mpa	16,900 Mpa	16,030 Mpa
Bending Strength (f'b) (MOR )	97 Mpa	94 Mpa	65 Mpa
Janka hardness	7.6	5.7	4.4
Stress Grade	F27	F17	F22
Fire Group Number (AS/NZS 3837)	3	3	—
Average Critical Heat Flux (kW/m <sup>2</sup> ) (AS/ISO 9239.1)	4.8	3.8	—
Char Rate (mm/min)	0.69	0.84	—

## SPAN TABLES

Span tables are provided for Blackbutt and Tasmanian Oak. Table 1 is the minimum thickness for a given span for residential and commercial applications and the loadings adopted are in accordance with Table 2.

TABLE 1 – STAIR TREADS CERTIFICATION	Stair width				
	750mm	1000mm	1200mm	1500mm	1800mm
<b>Residential minimum thickness</b>					
Blackbutt	26mm	32mm	38mm	48mm	58mm
Tasmanian Oak	26mm	32mm	38mm	48mm	58mm
<b>Commercial minimum thickness</b>					
Blackbutt	28mm	34mm	40mm	50mm	60mm
Tasmanian Oak	28mm	34mm	40mm	50mm	60mm

TABLE 2 – LOADINGS FOR ALL SPECIES (AS1170.1 – Structural design actions)			
Occupancy	UDL (kPa)	PLL (kN)	Line Load (kN/m)
Residential	2	2.7	2.2
Commercial	4	4.5	2.2