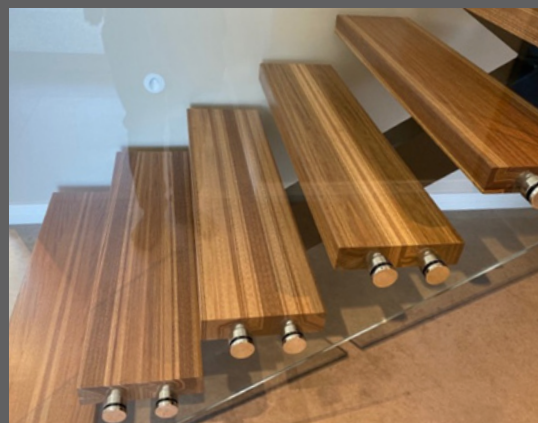
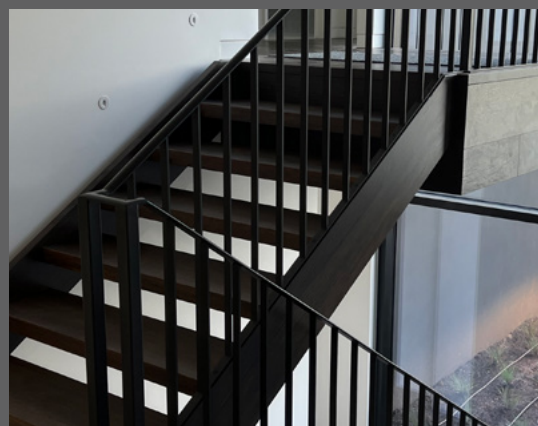




Staircase Components



FEATURES

- Solid 3RT hardwood with the look and feel of natural timber
- Appearance grade
- Uniform and consistent colour
- Allows the use of unique “patch fittings”
- Solid timber treads, eliminating the risk of delamination
- Secure supply chain
- Sustainably sourced
- Suitable for fire application (see page 2)

Ask us for PEFC or FSC®-certified products



Staircase Components



SPECIES TECHNICAL INFORMATION	3RT Blackbutt	3RT White Gum	3RT Tasmanian Oak
Density	950kg/m ³	800kg/m ³	770kg/m ³
Modulus of Elasticity (MOE)	20,680 Mpa	16,400 Mpa	16,030 Mpa
Bending Strength (f'b) (MOR)	97 Mpa	60 Mpa	65 Mpa
Janka Hardness (kN)	7.6	5.7	4.4
Slip Resistance Classification	P2	—	—
Stress Grade	F27	F17	F22
Fire Group Number (AS/NZS 3837)	3	3	—
Average Critical Heat Flux (kW/m ²) (AS/ISO 9239.1)	4.4	3.8	—
Char Rate (mm/min)	0.48	0.51	—

SPAN TABLES

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

TABLE 1 – STAIR TREADS - CERTIFICATION		Stair width			
Species	750mm	1000mm	1200mm	1500mm	1800mm
Residential minimum thickness					
Blackbutt	26mm	32mm	38mm	48mm	58mm
Tasmanian Oak	26mm	32mm	38mm	48mm	58mm
Commercial minimum thickness					
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

