



ANDREW SMITH

TIMBER CREATIONS

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MATERIALS FACTSHEET

Blackbutt

Eucalyptus pilularis

Blackbutt is a strong and durable Australian hardwood timber species. It is excellent for a range of structural exterior and interior applications.

The timber is resistant to termites and is not susceptible to Lyctid Borer. It naturally fire resistant and is marine borer resistant up to 40 years.

Blackbutt heartwood is a golden yellow to pale brown, and its sapwood is much paler. Blackbutt has an even texture and straight grain, making it aesthetically pleasing for sculptural use.

The timber is suitable for landscape design, outdoor furniture and construction, as it is durable and strong.

Durability: HIGH

In-Ground: 15 - 25 yrs,
Above ground: more than 40 yrs

Shrinkage: HIGH

7.3% tangential and 4-5% radial shrinkage

Strength: HIGH

Density:

Unseasoned: 1100 kg/m³

Seasoned: 900 kg/m³

Table of properties from the Australian Standards – AS 1720.2-2006

Index No.	Standard trade name	Origin	Species brand	Classification	Strength group		Joint group		Design density† (kg/m ³)		Janka hardness, side grain (kN)		Tangential cleavage (N/mm)		Toughness (N.m)	Tangential % shrinkage	Tendency to split for unseasoned timber	% Unit tangential movement	Natural durability class§		Sapwood lyctus susceptible	Termite resistant	Marine borer durability	
					G	D	G	D	G	D	G	D	G	D					In-ground contact	Outside above ground				
84	blackbutt	N, Q	BB	H	S2	SD2	J2	JD2	1150	900	6.4	8.9	70.0	77.0	21.1	22.0	7.3 [‡]	medium	0.37	2	1	NS	R	3