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TIMBER CREATIONS

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MATERIALS FACTSHEET

Red Ironbark

Eucalyptus sideroxylon / Eucalyptus fibrosa

Red ironbark is a highly durable and hardwearing Australian hardwood timber species. It is a preferred structural timber, due to its long-term performance in weather-exposed structural applications.

The timber is resistant to termites. Broad-leaved ironbark is not susceptible to Lyctid Borer.

Red ironbark heartwood is a deep dark red to red-brown, while its sapwood is a distinctive pale yellow in colour. Life expectancy is greater than 40 years above ground and greater than 25 years in-ground.

The timber is ideal for landscape design and construction, as it is durable, sturdy and reliable, and it boasts natural aesthetics that help it blend seamlessly with the outdoors.

Durability:

High - In-Ground: more than 25 yrs, above ground: more than 40 yrs

Shrinkage:

Medium - with 6.3% tangential and 3-4% radial shrinkage

Strength:

High

Density:

Unseasoned: 1160 kg/m³

Seasoned: 1050 kg/m³

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	G	D				In-ground contact	Outside above ground			
325	ironbark, red	N, Q, V	RI	H	S2	SD3	J1	JD1	1200	1050	10.7	11.9	93.4	74.6	26.0	23.0	6.3	low	0.37	1	1	S	R	2
326	ironbark, red, broad-leaved	N, Q	BI	H	S1	SD1	J1	JD1	1200	1100	12.0	14.0	—	—	—	—	—	—	—	1	1	NS	R	—

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