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Ironbark (Grey)

Eucalyptus paniculata
Eucalyptus siderophloia

DESCRIPTION

Ironbarks are a very characteristic group of trees, so named on account of the thick, compact, hard bark. The name however could equally apply to the timber itself, for it is certainly the ironwood of the whole Eucalyptus genus. The wood is very heavy, hard and compact, making working with the timber difficult. It is hard to nail, and planes with difficulty. Microscopically, the fibres are seen to be very thick walled, compact and closely compressed. The commercially available Ironbark species in NSW can be broadly divided into Grey and Red Ironbarks.

The most common commercial species of Grey Ironbark is *Eucalyptus paniculata*, which is distributed from the far south coast of NSW to north of Coffs Harbour. Another species also referred to as Grey Ironbark is *E. siderophloia*. It is distributed from southern coastal NSW to Maryborough in Queensland.

APPEARANCE

The heartwood of the Grey Ironbarks ranges from light grey or light chocolate with some darker reds and browns sometimes occurring. Sapwood is slightly lighter in colour. Grey Ironbark may have various regional variations such as the 'Black Ironbarks' around Port Macquarie, which have similar light colours with black narrow to broad streaks running through the timber. Texture is moderately coarse and even.



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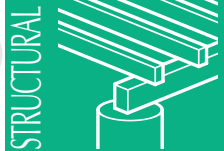


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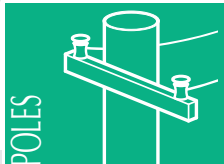
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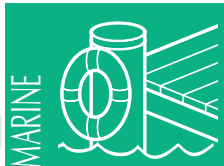
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Ironbark (Grey)

Eucalyptus paniculata
Eucalyptus siderophloia

PROPERTIES

The timber is very hard to work, limiting some applications requiring fine detailing. The heartwood is highly durable (Class 1), allowing a wide range of external applications. The sapwood is not susceptible to Lyctid attack. Applications include heavy engineering, marine structures, poles, boat building, framework, flooring and decking. It was one of the first species to be utilised by the early settlers in the neighbourhood of Port Jackson, for bridges, house building, piles and generally where great strength and durability were required.

PROPERTIES	Eucalyptus paniculata/siderophloia
Density (kg/m ³)	
GD	1250
ADD	1100
Hardness kN (Janka)	
Green	11
Dry	16.3
Durability Class	
Strength Group	S1/SD1
Joint Group	J1/JD1
Shrinkage	
Radial % (approx.)	4.5
Tangential % (approx)	7.5
Structural Grades	
Unseasoned	F14/F17F22
Seasoned	F27/F34+
Toughness (Nm)	
Green	High
Dry	High
Early Fire Hazard Indices	
Ignitability	N/A
Spread of Flame	N/A
Smoke Development	N/A
Termite Resistant (to AS3660)	Yes
Lyctid Susceptible Sapwood	No

N/A = Not Available at the time of publication, refer to www.australianhardwood.net



For additional assistance please contact the
Timber Advisory Service

1800 044 529

or visit the following websites:

www.timber.net.au

www.australianhardwood.net



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