

## JARRAH SPECIFICATIONS

---



Common Name(s) : Jarrah

Botanical Name : Eucalyptus marginata

### DISTRIBUTION

The species grows only in the south west of Western Australia, where all plantations are managed on a sustainable basis.

The volume of log harvested annually is controlled by the State Government to ensure continuing supply.

### QUALITY STANDARDS AND GENERAL PROPERTIES

Only Prime grade is imported into New Zealand.

This is a good appearance grade, even though it does allow some natural defects such as gum streaks and minor knots.

The timber machines and finishes well and is considered to be a superior flooring timber.

### TYPICAL END USE APPLICATIONS

High quality furniture, joinery, and flooring.

### TECHNICAL DATA

<b>Density</b>	At 12% mc	820 kg/m <sup>3</sup>
<b>Shrinkage</b> (Green to 12% mc)	Tangential	More than 8.0%
	Radial	More than 5.0%
<b>Durability</b>	Heartwood	Very durable - considered to be one of the most durable timbers in the world
	Sapwood	Durable
<b>Stability</b>	Green	Prone to shrinkage and distortion
	At 12% mc	Stable

### AVAILABILITY

Sizes up to 300mm wide and 50mm thick are readily available in a kiln dried condition. Kiln dried timber in sizes larger than this, apart from 75x75, are generally not available.

## Grades Rules

### SUMMARY FOR PERMISSIBLE CHARACTERISTICS FOR SEASONED HARDWOODS

CHARACTERISTICS	PRIME GRADE GRADED ON BEST FACE/TWO (2) EDGES	STANDARD GRADE GRADED ON ALL FOUR (4) SURFACES
BORER HOLES (Clean edged)	Permitted provided not exceeding 5mm in dia. And not more than two (2) within any 0.9 metre of length.	Permitted provided not exceeding 12mm in dia and not more than two (2) within any 0.9 metre of length.
BORER CANALS	Not permitted	Permitted provided not exceeding 12mm in width by 50mm in length and not more than one (1) within any 0.9 metre of length.
PIN HOLES	Permitted provided not exceeding 2mm in dia. Isolated and not more than six (6) within any 0.9 metre of length.	Permitted provided not exceeding 3mm in dia. and not more than ten (10) within any 0.9 metre of length.
KNOTS	Permitted provided sound and intergrown, not exceeding 25% of the width of the surface on which they occur with associated voids nor exceeding 5mm in dia and not more than one (1) within any 0.9 metre of length.	Permitted provided sound and intergrown, not exceeding 1/3rd of the width of the surface on which they occur with associated voids nor exceeding 12mm in dia and not more than three (3) within any 0.9 metre of length.
KNOT HOLES	Not permitted.	Permitted provided not exceeding 12mm in dia and not more than two (2) within any 0.9 metre of length.
GUM VEINS – TIGHT (Bridged with Wood Fibre)	Permitted provided not exceeding 2mm in width and individually and in aggregate not exceeding 400mm in any 0.9 metre of length.	No limitations
GUM VEINS – LOOSE	Not permitted.	Permitted provided not exceeding 3mm in width, confined to one surface only and individually and in aggregate not exceeding 400mm within any 0.9 metre of length.
GUM POCKETS	Not permitted.	Permitted provided not exceeding 10mm in width by 150mm in length, not intersecting an end and not more than one (1) within any 0.9 metre of length.
GUM STREAKS, SMEARS, SPLASHES	Permitted provided not exceeding 2mm in depth and in area not to exceed 50mm x 25mm or equivalent.	Permitted provided bridged with wood fibre and sound.
OVERGROWTHS OF INJURY AND KNOT OCCLUSIONS	Permitted provided sound and intergrown, not exceeding 25% of the width of the surface on which they occur with associated voids not exceeding 5mm in dia. And not more than one (1) within any 0.9 metre of length.	Permitted provided sound and intergrown, not exceeding 1/3rd of the width of the surface on which they occur with associated voids not exceeding 12mm in dia. And not more than three (3) within any 0.9 metre of length.
BIMOSEYES (Epicormics)	Singular and/or in clusters permitted provided individual openings do not exceed 1.5mm in width and do not extend beyond 50% of the length of the characteristic.	No limitations
WANT AND WANE	Permitted provided able to be removed by final machining to industry dimensions.	Permitted provided not exceeding 25mm measured across the level of one (1) arris and in aggregate not exceeding 1/3 <sup>rd</sup> of the length of the piece.
SURFACE SEASONING CHECKS	Fine, hairline checks permitted provided individually not exceeding 75mm in length and in aggregate not exceeding 10% of the length of the piece.	Permitted provided individually not exceeding 2mm in width by 200mm in length.
COMBINATION OF CHARACTERISTICS	Permitted provided a combination of not more than two (2) characteristics and not more than one (1) combination within any 0.9 metre of length.	Permitted provided a combination of not more than three (3) characteristics of maximum permissible size within any 0.9 metre of length.
SAPWOOD (Non – susceptible)	No limitations	No limitations
BLACK SPECK, SPOTS, FLECK	No limitations	No limitations
BURLS, FEATURE GRAINS	No limitations	No limitations
NATURAL COLOUR VARIATIONS/STAINS	Permitted provided not associated with decay	Permitted provided not associated with decay.
SLOPE OF GRAIN	Not limited for the purpose of this grade, however for structural applications refer to Australian Standard 2082-1879.	Not limited for the purpose of this grade, however for structural applications refer to Australian Standard 2082-1979.
CUPPING/TWIST	Permitted provided able to be removed by final machining to industry dimensions.	Permitted provided able to be removed by final machining to industry dimensions.
BOW/SPRING	Permitted provided able to meet permissible allowances within milled product specifications.	Permitted provided able to meet permissible allowances within milled product specifications.