

# PARKSIDE TIMBER

## VISUAL STRESS GRADING SEASONED HARDWOOD F27

SPECIES : seasoned Spotted Gum and Ironbark	F 27 in 2.4, 3.0, 3.6, 4.8, 6.0
NATURAL CHARACTERISTICS	GRADE LIMITATIONS
Fractures, Splits and Shakes. Low density, Termite Galleries	NOT ALLOWED
Knots, Branch Stubs, Knot Holes and other Holes (not insect holes)	≤ 1/4 W or T (25% W or T)
Borer Holes (no decay) up to 3 mm dia. over 3 mm dia. and separated by < 2x dia.	≤ 20 holes per 100 x 100 mm as for knots
Termite Galleries, not enclosed	As for Want & Wane
Slope of Grain	30 in 300 (1 : 10)
Heart, not effecting utilisation	< 20% CAR (cross section)
Heart Shakes, Wavy grain if with sloping grain	not permitted
Tight Gum Veins	unlimited
Loose Gum Veins, Ring Shakes, Included Bark; aggregate length intersecting an end surface to surface	≤ 3 mm wide, not surface to surface ≤ 1/6 L not permitted
Gum Pockets, Latex Pockets, Resin Pockets, Overgrowth of Injury individual length individual width, measure radially one surface only (lesser of) one surface to another (lesser of) one surface to another & intersecting an end	≤ 300 mm  ≤ 20 mm ≤ 12 mm as for end splits
End Splits, aggregate length	≤ W or 100
Checks, other than internal, ≤ 3 mm wide	≤ 1/3 L
Internal Checks, Loss of Cross section	≤ 1/10
Primary Rot (decay)	≤ 3 mm deep, ≤ 150 x 100 mm in any 2 m
Want & Wane, Lyctid Susceptible Sapwood individual or aggregate	≤ 1/5 (20%) cross section ≤ 1/2 (50%) W or 1/3 (33%) T
Hit & Miss, if more than Want & Wane	≤ 3 mm deep, ind. ≤ 600 mm
Bow, Spring and Twist, Cupping	See Bow, Spring and Twist Tables; Cupping: 1 mm per 50 mm W

<b>TOLERANCES</b>	<b>Sizes:</b> - 0 & + 0.5 mm; <b>Squareness:</b> ± 2°; <b>Square docked</b> both ends
<b>APPEARANCE GRADE</b>	Loose, unsound & defective knots; Holes > 3 mm; Termite galleries; Loose gum veins & Ring Shakes; Gum pockets, Latex and resin pockets, Overgrowth of injury; Checks > 1 mm; Decay; Included bark; Primary rot; Want & Wane, Hit & Miss, Lyctid susceptible sapwood; Damage by hooks, ropes, etc.
<b>Not permitted:</b>	

MAXIMUM BOW		
L in	THICKNESS	
m	35	45
2.4	20	15
3.0	35	25
3.6	50	35
4.8	70	50
6.0	80	60

MAXIMUM SPRING				
L in	WIDTH			
m	90	120	140	190
2.4	9	7	6	4
3.0	14	11	9	7
3.6	20	16	13	10
4.8	30	29	24	18
6.0	45	45	37	28

MAXIMUM TWIST				
L in	T in	WIDTH		
m	mm	90	120 / 140	190
2.4	35	5	7	10
	45	4	6	8
3.0	35	7	10	14
	45	5	8	11
3.6	35	8	13	18
	45	6	9	13
4.8	35	10	16	23
	45	7	12	17
6.0	35	12	20	28
	45	9	15	21

**GRADE:** all surfaces and both ends. Grade (group of) characteristics with greatest limiting effect.  
**LYCTUS SUSCEPTIBLE SAPWOOD:** comply with legislation in Queensland and New South Wales  
**COMBINATION of CHARACTERISTICS:** characteristics occurring in 150 mm length of the piece.  
**CHARACTERISTICS CLOSE to an ARRIS:** as for want and wane.  
**VARIATION within a PARCEL:** maximum variation 5 percent.  
**RESAWING:** If resawing or dressing, the original grading is nullified.  
**END TRIMMING:** The original grading of a piece is not affected by subsequent end trimming