



TECHNICAL CATALOGUE



PARKSIDE
TIMBER

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Parkside Timber has been producing products by Australians for Australians for over 75 years.

Parkside Timber has a proud history of producing some of the finest quality hardwood timber products for generations and our involvement in architectural and designer based projects has been the cornerstone of our business.

Parkside Timber offers a wide variety of species and products to help the greatest of imaginations, and professionals, complete their projects.

Manufacturing a diverse range of timber products from large, heavy structural sections, floor joists and roofing timbers to value added kiln dried and dressed products such as floorboards, decking, cladding and some of the most beautiful furniture timbers you will ever find, we believe that we have the right timber for your needs, whatever they may be.

Strong, hard-wearing and incredibly beautiful.

The natural durability of the species produced plus the high manufacturing standards held by the Aussies producing Parkside Timber products makes our products some of the highest quality in the marketplace.



The key benefits to Parkside Timber products are:

- Parkside Timber products are grown, produced and manufactured in Australia for Australian conditions.
- Parkside Timber have some of the highest quality standards and best quality sawmilling technology in the Southern Hemisphere, meaning our quality is second to none.
- Parkside Timber products are certified by internationally recognised PEFC, denoting that all products are sourced from sustainably managed forests.

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GERLER



Introduction

Scope

Production, packaging and technical aspects of Parkside hardwood products.

References

AS 2796.1

Timber - Hardwood - Sawn and Milled products - product specification.

AS 2796.2

Timber - Hardwood - Sawn and Milled products - Grade description

AS 2082

Visually Graded Hardwood for Structural Purposes.

Chain of Custody Certified as per AS 4707 PEFC/AFS requirements.

Definitions

ACQ

An abbreviation for Alkaline, Copper and Quarternary, the treatment chemical used on our sapwood.

Chip Marks

Impressions in dressed timber surface, usually caused by chips of wood lodged between the cutters or other machine parts and the surface.

Conformity

Fulfilment by a product, process or service of specified requirements.

Glazed Surface

A surface burnished by friction.

Pause Marks (Machine Burn)

Transverse depressions or burnt or burnished bands on a dressed surface caused by friction during a pause in the feeding.

Roller Marks

Regular indentations on a machined surface caused by the feed rollers.

Skip (Hit and Miss)

Areas of the surface that were missed during dressing.

Torn Grain

Where fibre bundles or pieces of wood have been partly or fully torn out from the surface by a cutting tool.

Bushfire Resistance

All Spotted Gum, Red Ironbark and Silvertop Ash species products are bushfire resistance to BAL 12.5, 19 and 29 as per AS 3959 for required applications. Karri and Jarrah can achieve BAL 29 when used in conjunction with non-combustible wall cladding and enclosed subfloor. If you require your order to meet these BAL requirements, please specify this on your order.

Sustainability of product

All Parkside hardwood products are sourced and certified from sustainably managed sources.

Parkside has Chain of Custody certification through the PEFC scheme by Responsible Wood. This third party accreditation supports sustainable forestry management and promotes continuous improvement in systems and processes.

Please Note

Colour variations within timber species is normal, photography is only indicative of the colour range. Parkside Timber retains the right to vary specifications without notice due to our policy of continued development in our product range.

Whilst every effort has been made to ensure the accuracy of this information to assist in projects using Parkside Timber, and whilst we do at times recommend tradespeople, we cannot accept liability for their workmanship. Parkside Timber is a supplier of quality hardwood products only.



FLOORING

Scope

Parkside Flooring (Hardwood Flooring) - tongue and grooved and end matched, handled and installed in accordance with AS 2796.1 and AS 2796.2.

Application

This specification sets out the product and packaging requirements for Parkside Flooring.

Parts of AS 2796 have been used in formulating this specification. However, as the commercial grades used in the marketplace differ from AS 2796, not all grades of this product comply with this Australian Standard. Where any conflict occurs between this specification and any referenced document, this specification shall take precedence.

Species

Spotted Gum

Spotted Gum is a beautiful Queensland timber species, botanically named *Corymbia Citriodora*, and is a unique blend of brown and grey colours.

Queensland Reds

Forest Reds is a blend of red coloured Queensland Eucalypts, predominantly Forest Red Gum; Red Ironbark and Grey Gum.

Ironbark

Ironbark is Queensland Grey and Red Ironbark.

Mixed Blends

Mixed Hardwood is a mixed blend of Queensland based lighter coloured species.

Southern Ash

Southern Ash is gaining popularity for its versatility, interesting colour and speckled appearance.

Chestnut

Australian Chestnut is characterised by subtle colour variations from mellow straw brown to light chocolates.

Wormy Chestnut®

Deep red gum veins formed by fire, ambrosia beetle marks, pin holes and squiggly worm marks are all reflected in Australian Wormy Chestnut.

Karri

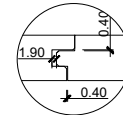
Heartwood pale pink to reddish brown. One of Australia's tallest hardwoods, native to the south-west corner of Western Australia.

Jarrah

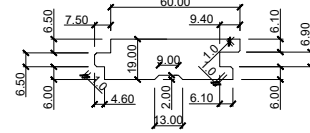
Heartwood dark red. Texture relatively coarse but even. A large hardwood of the south-west corner of Western Australia.

Profiles and Sizes

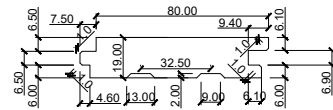
Tongue and Groove QLD & WA Species



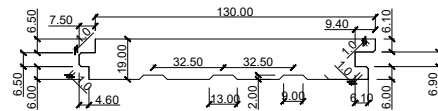
60 x 19 Secret Nail



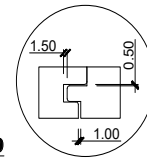
80 x 19 Secret Nail



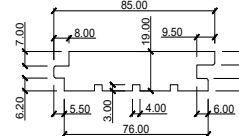
130 x 19 Top Nail



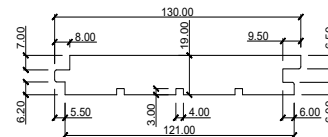
Tongue and Groove VIC Species



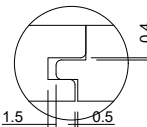
85 x 19



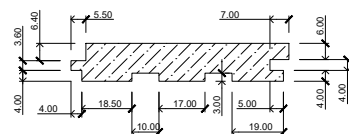
130 x 19



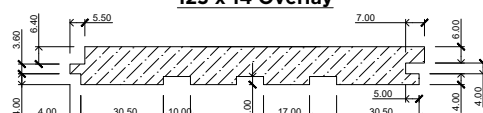
Overlay QLD Species



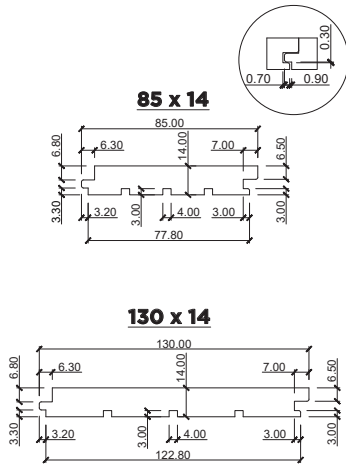
75 x 14 Overlay



125 x 14 Overlay



Overlay VIC and WA Species



Tolerances

At the time of milling, the tolerances on any dimension in the thickness and width of the piece will be as follows:

Overall thickness: +/- 0.5mm, provided:

1. Mismatch does not exceed 0.5mm; or
2. T & G clearance is not more than 0.6mm nor less than 0.3mm

See page 8 & 9 for other tolerances and permissible features.

Finish

Refer to page 8.

Lengths

Random lengths are normally supplied, however set lengths may be available upon request.

Parkside Tongue and Groove Flooring:

- 0.9m to 5.9m

Parkside Overlay Flooring:

- 0.4m to 3.0m

Grades

Visually graded to AS 2796 to the grades below:

Species	Feature	Standard	Select
Mixed Species	Yes	Yes	Yes
Spotted Gum	Yes	Yes	Yes
Ironbark	-	Yes	Yes
QLD Reds	-	Yes	Yes
Chestnut	-	Yes	Yes
Wormy Chestnut	Yes	-	-
Southern Ash	Yes	Yes	Yes
Karri	-	Yes	Yes
Jarrah	-	Yes	Yes

Moisture Content

At the time of machining 9 to 14%, as per AS 2796.1.

Treatment

All QLD species sapwood is ACQ treated to H3.

Package Details

Each hardwood flooring pack supplied by Parkside Timber has a number of package guidelines to help ensure consistent quality and presentation of the product. There are typically six plastic straps on a pack, which are assisted by a wooden glut at the base of the pack (70/90 x 45mm) and at the top of the pack a wooden packer to assist in the prevention of marking on the finished product. Each pack comes fully wrapped in plastic, to help protect from potential irritants.

Please Note

Plastic wrap is not suitable as a comprehensive protective barrier from the elements. The plastic wrap is designed to provide limited protection during transport and handling only.

Pack Sizes

Pack size by lineal metre approximately

Tongue & Groove Flooring

End Section	80 x 19	85 x 19	130 x 19	180 x 19
Row Quantity	6		6	
Height Quantity	15		15	
Pack Size	470		320	

Overlay Flooring

End Section	85 x 13	130 x 13	85 x 14	130 x 14
Row Quantity				
Height Quantity				
Pack Size				

Product Data

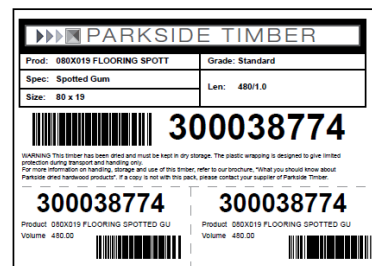
Tongue & Groove Flooring

Actual Size	80 x 19	85 x 19	130 x 19	180 x 19
Nominal Size				
Density kg/m ³				
Pack Weight kg				

Overlay Flooring

Actual Size	85 x 13	130 x 13	85 x 14	130 x 14
Nominal Size				
Density kg/m ³				
Pack Weight kg				

Product Tag



Permissible Features in All Grades

Bow, Spring and Twist

See tables

Cupping

<= 1mm per 100mm width

Burls, Borer Marks

No limitation

Hob Nails, Birdseye

No limitation

Tolerances

Overall thickness

+ or - 0.5mm

Other dimensions in thickness

+ or - 0.3mm

Mismatch

<= 0.5mm

Clearance tongue and groove

<= 0.6mm and >= 0.3mm

Dimensions in width, including cover width

+ or - 0.3mm

Machining Imperfections / Surface Finish

Skip, hit and miss

Once per board, <=0.5mm deep

Cutter marks

>10/30mm

Raised grain, ridges, torn grain

<= 0.5mm

Chip marks or roller marks

Continuous 1/3 of L unaffected (<= 0.5mm deep)

Pause marks or glazed surfaces

Once per board and unlimited in feature

Knot chipping

<= 3mm wide

Torn corners and edges, gouge, kick out

Not permitted

Tongue and Groove Imperfections

Short Tongue, Broken Tongue, Broken Under-Groove

< 50% of tongue or under-groove missing

Individual <= 250mm

Aggregate <= 500mm or 1/4 of L (lesser of)

> 50% of tongue or under-groove missing

Individual <= 200mm

Aggregate <= 250mm or 1/4 of L (lesser of)

On Sealed Surfaces

Natural features

As for Natural Grade (High Feature Grade)

Want and wane, mechanical damage

1/3 of W or T; aggregate <=300mm

Stains and sticker marks

Unlimited

Heart checks

Feature grade only unlimited

NOT Permitted in Any Grade on Surface

- Enclosed termite galleries
- Heart and heart shakes
- Shakes, cross-fractures and cross-shakes
- Splits and end splits
- Decay and primary rot
- Lyctid-susceptible sapwood
- Loose gum veins
- Gum pockets
- Overgrowth of injury
- Other pockets from surface to surface or intersecting an end
- Holes and knot holes > 10mm

NOT Permitted in Any Grade on Any Exposed Surface

- Want and wane; mechanical damage
- Stain other than natural discolouration
- Sticker marks

Bow, Spring and Twist - All Grades

LENGTH IN METRES	BOW		SPRING			TWIST		
	THICKNESS		WIDTH			WIDTH		
	15mm	19mm	60mm	80mm	130mm	60mm	80mm	130mm
1.2	6	5	6	5	4	2	3	5
1.8	13	11	14	12	8	4	5	8
2.4	22	19	25	21	15	5	6	10
3.0	35	30	40	33	23	6	8	13
3.6	50	45	60	50	33	7	10	16
4.2	70	60	80	67	48	8	11	18
4.8	90	75	100	83	58	10	13	21
5.4	110	95	130	106	73	11	14	23
6.0	130	110	150	130	90	12	16	26

Permissible Features

PERMISSIBLE FEATURES	SELECT GRADE	STANDARD GRADE	FEATURE GRADE
SAPWOOD	No limitation if non-susceptible or treated	No limitation if non-susceptible or treated	No limitation if non-susceptible or treated
TIGHT KNOTS and associated voids	< = 15mm or ¼ width < = 1 / any 1m	< = 40mm or ½ width < = 2 / any 1m	< = 50mm or ¾ width < = 4 / any 1m
HOLES < 1mm in diameter	Concentration < 20 in any 100cm ² Spread < average of 15 per 100cm ² over the length of the board	Concentration < 40 in any 100cm ² Spread < average of 30 per 100cm ² over the length of the board	No limitation
HOLES > 1mm in diameter	< 2mm in diameter Concentration < 6 in any 100cm ² Spread > average of 4 per 100cm ² over the length of the board	< 3mm in diameter Concentration < 20 in any 100cm ² Spread > average of 4 per 100cm ² over the length of the board	< 3mm in diameter - no limitation > 3mm in diameter and < 10mm in diameter no more than 3 in any 1m length
TIGHT GUM VEINS (quartersawn, straight line)	< = 2mm wide, individual length < = 250mm Aggregate < = ½ of length	< = 5mm wide Aggregate < = ½ of length	Unlimited
TIGHT GUM VEINS (backsawn, blotch)	< = 2mm wide, individual length < = 250mm Aggregate < = ½ of length	2mm deep < 1000mm long Aggregate < ⅓ of length < ¾ of face width	Unlimited
LOOSE GUM VEINS	Not permitted	< = 3mm wide Aggregate < = ⅓ of length	< = 3mm wide Aggregate < = ¼ of length
GUM POCKETS overgrowth of injury, other pockets	Not permitted	< = 500mm ² < = 3mm deep	< = 1200mm ² < = 3mm deep
KNOT CHECKS	Not permitted	< = 2mm wide	Unlimited but structurally sound
CHECKS	< = 0.5mm wide Aggregate < = ⅓ of length	< = 2mm wide ind. < = 250mm	< 3mm wide unlimited length
STAINS natural discolouration	Slight up to 10% of board surface area	No limitation	No limitation
BLACK SPECK	Slight up to 10% of board surface area	No limitation	No limitation
STICKER MARKS	Not permitted	Not permitted	No limitation



DECKING

Scope

Production and Packaging of Parkside Decking.

Application

Product supplied to this specification will comply with AS 2796.1 and AS 2796.2 as well as meeting the additional requirements of this specification.

Where any conflict occurs between this specification and any referenced document, this specification takes precedence.

Species

Spotted Gum

Spotted Gum is a beautiful Queensland timber species, botanically named *Corymbia Citriodora*, and is a unique blend of brown and grey colours.

Queensland Reds

Forest Reds is a blend of red coloured Queensland Eucalypts, predominantly Forest Red Gum; Red Ironbark and Grey Gum.

Ironbark

Ironbark is Queensland Grey and Red Ironbark.

Mixed Blends

Mixed Hardwood is a mixed blend of Queensland based lighter coloured species.

Silvertop Ash

Heartwood pale brown, sometimes pinkish.

Karri

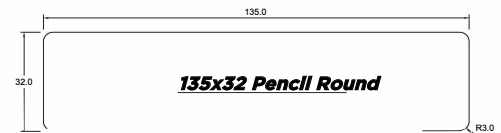
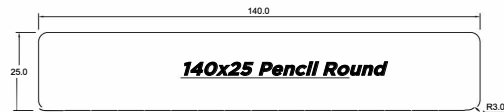
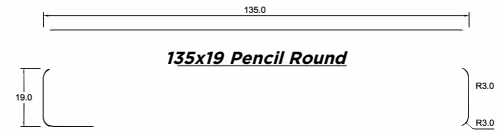
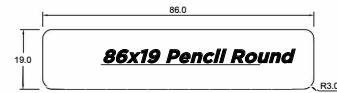
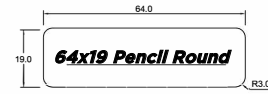
Heartwood pale pink to reddish brown. One of Australia's tallest hardwoods, native to the south-west corner of Western Australia.

Jarrah

Heartwood dark red. Texture relatively coarse but even. A large hardwood of the south-west corner of Western Australia.

Profiles and Sizes

Machined on 4 surfaces with a 3mm radial arris. Both ends trimmed square.



Specialised Commercial Decking Profiles are available to suit specific applications and specifications upon request.

Architectural screening available in:

64 | 86 | 135 x 19

Lengths

For all sizes and packs (unless otherwise ordered):

- 1.5m to 5.7m

Grades

Visually graded to AS 2796 to the grades below:

Species	Feature	Standard	Select
Mixed Species	Yes	Yes	Yes
Spotted Gum	Yes	Yes	Yes
Ironbark	-	Yes	Yes
QLD Reds	-	Yes	Yes
Silvertop Ash	-	Yes	Yes
Karri	-	Yes	Yes
Jarrah	-	Yes	Yes

Moisture Content

At the time of delivery, the moisture content anywhere within any piece shall not be less than 10% nor more than 18%.

Treatment

All QLD species sapwood is ACQ treated to H3.

Package Details

Each hardwood decking pack supplied by Parkside Timber has a number of package guidelines to help ensure consistent quality and presentation of the product. There are typically six plastic straps on a pack, which are assisted by a wooden glut at the base of the pack (70/90 x 45mm) and at the top of a pack a wooden packer, assisting in the prevention of marking on the finished product. Each pack comes fully wrapped in plastic, to help protect from potential irritants.

Please Note

Plastic wrap is not suitable as a comprehensive protective barrier from the elements. The plastic wrap is designed to provide limited protection during transport and handling only.

Pack Sizes

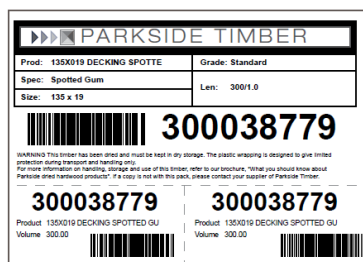
Pack size by lineal metre approximately.

End Section	65 x 19	86 x 19	135 x 19	135 x 32
Row Quantity	8	6	4	
Height Quantity	15	15	15	
Pack Size	620	470	320	

Product Data

Actual Size	65 x 19	86 x 19	135 x 19	135 x 19
Nominal Size				
Density kg/m ³				
Pack Weight kg				

Product Tag



Permissible Features - All Grades

Sloping Grain

40 in 300

Bow, Spring and Twist

See tables

Cupping

< 1mm per 100mm W

Burls and Birdseye

No limitation

Hob Nails and Borer Marks

No limitation

Black Speck

No limitation

Sapwood

Unlimited if non-susceptible or treated

Stains, Sapwood (natural colour variation)

No limitation

Tolerances - All Grades

All Dimensions

3 0.5mm in W and T

Machining Imperfections / Surface Finish - All Grades

Skip, hit and miss

Once per board, <=0.5mm deep

Cutter marks

>10/30mm

Raised grain, ridges, torn grain

<= 0.5mm

Chip marks or roller marks

Continuous 1/3 of L unaffected

Pause marks or glazed surfaces

Once per board

Knot chipping

<= 3mm wide

Torn corners and edges, gouge, kick out

Permitted within the last 100mm each end

NOT Permitted in Any Grade on Surface

- Enclosed termite galleries
- Heart and heart shakes
- Shakes, cross-fractures and cross-shakes
- Splits and end splits
- Decay and primary rot
- Lyctid-susceptible sapwood
- Loose gum veins

NOT Permitted in Any Grade on Any Exposed Surface

- Want and wane
- Mechanical damage
- Stain other than natural discolouration

Bow, Spring and Twist - All Grades

LENGTH IN METRES	BOW	SPRING		TWIST	
	WIDTH	WIDTH		WIDTH	
	19mm	65mm	86mm	65mm	86mm
1.5	8	8	6	3	4
1.8	11	11	8	4	5
2.4	19	19	15	5	6
3.0	30	30	23	6	8
3.6	45	45	35	7	10
4.2	60	60	47	8	11
4.8	75	75	58	10	13
5.4	95	95	75	11	14
6.0	110	115	95	12	16

Permissible Features

PERMISSABLE FEATURES	SELECT GRADE	STANDARD GRADE	FEATURE GRADE
Tight Knots and associated voids individually or aggregate, < 1 / any 1M	< 15mm or ¼ width	< 40mm, < ⅓ width	< 50mm or 3/8 W
Insect Holes including stained insect holes and non-enclosed termite galleries	Length < = 15mm or ¼ width Width < = 2mm diameter W < = 50mm: 2/100, 4/900 W < = 100mm: 5/100, 10/900 W > 100mm: 8/100, 16/900	< 2mm dia, < 2 x 40mm, 12 per 80 x 120mm or <20 / any 1M	Length < = 50mm or 3/8 W Width > 10mm not permitted Width 3 to 10mm 3 / any 1m Width < = 3mm dia W < = 50mm: 8/100, 12/900 W < = 100mm: 16/100, 24/900 W > 100mm: 24/100, 36/900
Tight Gum Veins Quartersawn	< 2mm facewidth	< 5mm facewidth	< 5mm facewidth
Tight Gum Veins Backsawn	ind. < 250mm agg. < = ½ length	< 2mm deep, <60mm facewide, < 1 / any 1M	< 2mm deep number no limitation
Loose Gum Veins not one surface to another, not on end	Not permitted	< 3mm facewidth, aggr. < 1/5 length	< 3mm facewidth aggr. < 1/5 length
Gum Pockets, Overgrowth of Injury, Other Pockets not one surface to another, not on end	Not permitted	< = 10mm facewidth: L < = 50mm: Backsawn: < = 2mm deep	< = 15mm facewidth L < = 75mm Backsawn: < = 2mm deep
Knot Checks	Not permitted	< 2mm wide	<3mm wide
Checks	< 1mm wide ind. < 250mm	< 2mm wide, ind. < 250mm	< 2mm wide
Sticker Marks	Not permitted	Not permitted	Not permitted



CLADDING

Scope

Production and packaging of Parkside Cladding.

Application

Product supplied to this specification will comply with AS 2796 as well as meeting the additional requirements of this specification, except where any conflict occurs between this specification and any referenced document, this specification shall take precedence. The most relevant (but not all) sections of AS 2796 are reproduced in appendices to this specification.

Species

Spotted Gum

Spotted Gum is a beautiful Queensland timber species, botanically named *Corymbia Citriodora*, and is a unique blend of brown and grey colours.

Queensland Reds

Forest Reds is a blend of red coloured Queensland Eucalypts, predominantly Forest Red Gum; Red Ironbark and Grey Gum.

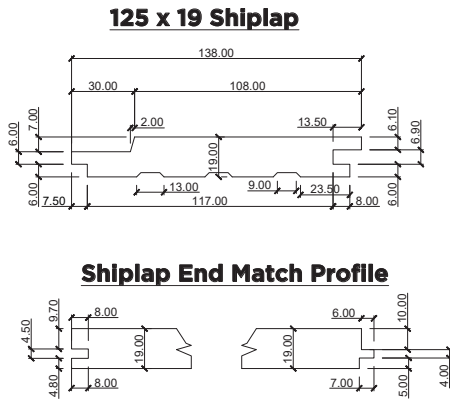
Ironbark

Ironbark is Queensland Grey and Red Ironbark.

Mixed Blends

Mixed Hardwood is a mixed blend of Queensland based lighter coloured species.

Profiles and Sizes



Tolerances

At the time of milling, the tolerance on any dimension shall be + or - 0.5mm, provided that any mismatch does not exceed 1.0mm

Finish

Refer to page 8.

Lengths

For all sizes:

- 1.5m to 5.7m

All packs come as random lengths within the above ranges

Treatment

All sapwood is ACQ treated to H3.

Grades

Visually graded to AS 2796 to the grades below:

Species	Feature	Standard	Select
Mixed Species	Yes	Yes	Yes
Spotted Gum	Yes	Yes	Yes
Ironbark	-	Yes	Yes
QLD Reds	-	Yes	Yes

Moisture Content

At the time of delivery, the moisture content anywhere within any piece shall not be less than 10% nor more than 18% as per A.S. 2796. Shiplap 9 - 14%.

Bow and Spring

Limits to bow and spring (in mm) are set out on page 9 of this catalogue.

Package Details

Each hardwood cladding pack supplied by Parkside Timber has a number of package guidelines to help ensure consistent quality and presentation of the product. There are typically plastic straps on a pack, which are assisted by a wooden glut at the base of the pack (70/90 x 45mm) and at the top of a pack a wooden packer, assisting in prevention of marking on the finished product. Each pack comes fully wrapped in plastic, to help protect from potential irritants.

Please Note

Plastic wrap is not suitable as a comprehensive protective barrier from the elements. The plastic wrap is designed to provide limited protection during transport and handling only.

Pack Sizes

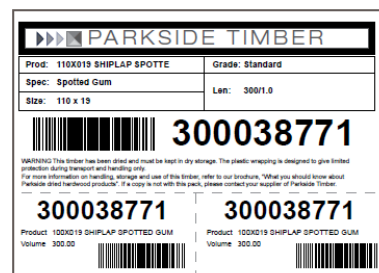
Pack size by lineal metre approximately.

End Section	125 x 19
Row Quantity	4
Height Quantity	15
Pack Size	320

Product Data

Actual Size	125 x 19
Nominal Size	150 x 25
Density kg/m ³	657
Pack Weight kg	962

Product Tag





F27 STRUCTURAL & JOINERY

Scope

Product and packaging specification for dry structural hardwood products, including joists and lintels.

Application

This specification sets out the product and packaging requirements of seasoned structural hardwood. Product supplied to this specification complies with AS 2082 Visually Stress-Graded Hardwood as well as meeting the additional requirements of this specification. Where any conflict occurs between this specification and any referenced document, this specification shall take precedence.

Species

Spotted Gum

Spotted Gum is a beautiful Queensland timber species, botanically named *Corymbia Citriodora*, and is a unique blend of brown and grey colours.

Ironbark

Ironbark is Queensland Grey and Red Ironbark.

Grading

All parkside structural and joinery products are graded to F27 structural grading.

Finish

Dressed 4 sides with 5mm radius on each corner.

Tolerances

Tolerance: -0 +2mm

Sizes

70 | 90 | 140 | 190 x 35mm
70 | 90 | 140 | 190 | 240 x 45mm

Lengths

0.9m to 6.0m in 0.3m increments.

Moisture Content

Seasoned to 10% - 18% at time of delivery.

Treatment

All sapwood is ACQ treated to H3.

Branding

Each piece shall be branded with an ink type brand with the following information:

- AHQC logo
- F Rating
- AHQC mill registration number

Package Details

Job lots are packaged according to quantities ordered. However in general, packaging shall comply with the requirements for stock packs as detailed below.

- Lengths up to 3.6m - 2 straps
- Lengths 3.9 to 4.8m - 3 straps
- Lengths over 4.8m - 1 strap every 1.8m

Smaller stock packs which result from end of production runs are available from time to time.

Packs are of one Size and Length

Each pack supplied by Parkside Timber has a number of package guidelines, to help ensure consistent quality and presentation of the product. Each pack comes fully wrapped in plastic, to help protect from potential irritants.

Please Note

Plastic wrap is not suitable as a comprehensive protective barrier from the elements. The plastic wrap is designed to give limited protection during transport and handling only.

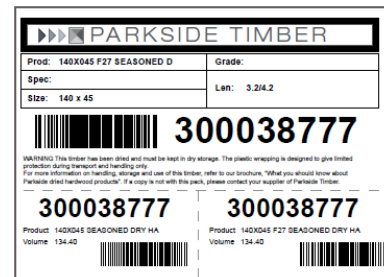
Conformance

Product supplied to this specification which meets the compliance requirements as set out herein shall be deemed as meeting the requirements of this specification.

Tolerances

Sizes 2 & + 1 mm
Squareness +- 20
Square docked both ends

Pack Tags



Pack Sizes

35mm packs are 10 pieces high. 45mm packs are 8 pieces high. The below table shows the number of pieces each pack is wide.

	70	90	140	190	240
35mm	7	6	4	3	-
45mm	7	6	4	3	2

Appearance Grades Not Permitted

- Loose unsound and defective knots
- Holes >3mm
- Termite galleries
- Loose gum veins and ring shakes
- Gum pockets
- Latex and resin pockets
- Overgrowth of injury
- Checks >1mm
- Decay
- Included bark
- Primary rot
- Want and wane
- Hit and miss
- Lyctid susceptible sapwood
- Damage by hooks, ropes, etc.

Product Data

Weights of packs depend on moisture content and species.

SPECIES	DENSITY (kg/m ³)	STRENGTH GROUP	JOINT GROUP	TOUGHNESS	SHRINKAGE % TANGENTIAL	DURABILITY CLASS ABOVE GROUND
Spotted Gum	1100	SD2	JD1	High	6.1	1
Red Ironbark	1100	SD3	JD1	Medium	6.3	1
Grey Ironbark	1100	SD1	JD1	High	7.5	1

Bow, Spring and Twist - All Grades

LENGTH IN METRES	BOW THICKNESS		SPRING WIDTH			TWIST IN MM	TWIST WIDTH		
	35mm	45mm	90mm	140mm	190mm		90mm	140mm	190mm
	2.4	20	15	9	6		4	35	5
3.0	35	25	14	9	7	45	4	6	8
						35	7	10	14
3.6	50	35	20	13	10	45	5	8	11
						35	8	13	18
4.8	70	50	30	24	18	45	6	9	13
						35	10	16	23
6.0	80	60	45	37	28	45	7	12	17
						35	12	20	28
						45	9	15	21

Visual Stress Grading Parkside Structural and Joinery

Seasoned Spotted Gum and Ironbark - F27 in all lengths

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 3mm dia. - over 3mm dia. and separated by < 2x dia.	< = 20 holes per 100 x 100mm as for knots
Termite galleries - not enclosed	As for want and 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	< = 3mm wide, not surface to surface < = 1/6L 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	< = 300mm < = 20mm < = 12mm as for end splits
End splits - aggregate length	< = W or 100
Checks - other than internal, < = 3mm wide	< = 1/3L
Internal checks - loss of cross section	< = /10
Primary rot (decay)	< = 3mm deep, < = 150 x 100mm in any 2m
Want and wane - lyctid susceptible sapwood - individual or aggregate	< = 1/5 (20%) cross section < = 1/2 (50%) W or 1/3 (33%) T
Hit and miss - if more than want and wane	< = 3mm deep, ind. < = 600mm
Bow, spring and twist	See bow, spring and twist table
Cupping	Cupping: 1mm per 50mm W



PARKSIDE TIMBER