



# hardwood timber flooring and decking

**Boral Timber Flooring**

THE NATURAL SELECTION





## a century of experience

Boral Timber has been developing and producing wood products for well over a century.

In 1892 Allen Taylor, a young man from Wagga Wagga, established a timber merchant business in Sydney, operating sawmills on the New South Wales coast. He also served as the Lord Mayor of Sydney for six years and was knighted in 1911.

During the 1980s Allen Taylor and Co., together with other timber

businesses, was acquired by Boral.

Today Boral Timber is one of the largest manufacturers of native Australian hardwood products and the industry leader in hardwood flooring.

From its headquarters in Sydney, Boral Timber coordinates its production and distribution operations across Australia. The company's flooring products are produced at long-established mills at Maxwells Creek, north west of Newcastle, Herons Creek

and Kyogle in northern New South Wales as well as at the purpose-built engineered flooring manufacturing facility at Murwillumbah in northern New South Wales.

Boral Timber has become one of the largest suppliers of hardwood, softwood and plywood timber in Australia with a diverse product range encompassing flooring, decking, furniture timber, cladding, decorative and structural timbers.





# contents

Timber and climate change	1
Product selection guide	2
Species, grades and hardness ratings	3
<b>The Mountain Range</b>	<b>5</b>
Product overview	7
Boral solid strip flooring - 19mm	9
Boral solid strip flooring - 13mm	11
Boral parquetry	13
Boral Silkwood engineered flooring	15
Boral outdoor decking	17
Acclimatisation, underlay + installation	19
Care and maintenance	20



# timber and climate change

Timber is arguably the most environmentally responsible of all building products. It is natural, renewable, sustainable and most importantly, a solution to climate change.

Forestry is one of the best carbon sinks and long term carbon reservoirs on the planet. Forests not only absorb huge volumes of CO<sub>2</sub> but store carbon for many decades in finished wood products such as flooring.

Interestingly, it is not mature forests that absorb the most CO<sub>2</sub> from the atmosphere but rather managed re-growth forests for timber production that provide a more effective natural air filter for carbon emissions.

Everyone, from architects to home owners, can select sustainable timber building products knowing that they are making a good choice for the environment.

Boral has advanced its sustainability credentials with focused

efforts on energy efficiency, waste management, reuse, recycling and water conservation.

Boral Timber is committed to assisting developers, architects, designers, builders and end users to achieve their sustainability goals by providing cost effective, long-term building solutions that particularly address climate change.


With this in mind, Boral Timber sources its timber from Australian Forestry Standard (AFS) certified forests. Boral Timber endorses the AFS certification scheme as it covers

well over 90% of certified forestry in Australia and is acknowledged as the only forest certification with an Australian Standard (AS 4708 - 2007).

Boral Timber carefully selects, dries and treats its Australian timber products to suit Australian conditions and conforms to the local timber marketing acts, building codes, customs acts and trade practices legislation.

Boral Timber also endorses carbon neutral processes through the use of waste wood products as biofuel to generate energy at its mills.

*Timber is the world's only truly renewable building material and is arguably the most environmentally responsible building product on the planet.*



*Wood products store carbon for many decades so increased wood usage, from sustainably managed forestry, is a positive contribution to climate change.*

For further information on Boral Timber and sustainability of timber please visit our website  
[www.boraltimberflooring.com.au](http://www.boraltimberflooring.com.au)

# product selection guide

## step one

### **Select a hardwood timber species**

from a broad range of Australian species from light browns to deep reds. See pages 3 - 6.

## step two

### **Select a timber grade**

from a variety of subtle, moderate or highly featured timbers. See page 4 for details.

## step three

### **Select a flooring product**

from the quality range of solid or engineered flooring, or outdoor decking. See pages 7 -18. The choice of flooring product is closely related to the installation method.

## step four

### **Select an installation method**

in combination with the choice of flooring product. See pages 9 - 19 for the appropriate installation methods for each product.



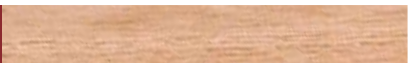




# beautiful Australian species













The natural colour variation found in hardwood timber is one of its most appealing attributes. It is recommended that large samples of the species be viewed in a timber flooring showroom when deciding on the species for a new timber floor. The colour samples shown here are indicative only and do not necessarily show the colour variation that can be naturally found in each species. Call 1800 818 317 or visit [www.boraltimberflooring.com.au](http://www.boraltimberflooring.com.au) for a list of local timber flooring showrooms.



## the mountain range

Messmate	
Stringybark	
New England Oak	
Australian Beech	
Flooded (Rose) Gum	

### Other popular species

Blackbutt	
Tallowwood	
Tasmanian Oak	
Spotted Gum	
River Reds	
Jarra	
Red Mahogany	
Turpentine	
Sydney Blue Gum	
Grey Ironbark	
Forest Reds	
Brushbox	

# select a timber grade

Boral Timber Flooring meets Australian Standards and uses the aesthetic Boral Timber grading system shown on the right. Grading is distinguished by selective gum veins, spirals, burls, insect trails and other natural features that give timber floors a unique character, as individual as a signature. Boral Timber Flooring is not graded for colour variation or grain patterns as they form part of the natural beauty of timber flooring.



## Australiana grade

Australiana Grade is carefully graded to include the most interesting and moderate natural features to enhance the look of a timber floor.

## Classic grade

Classic Grade is a subtle feature grade of timber flooring that provides a limited level of natural features. The lower levels of natural feature present the floor with a uniform look that is best suited to modern, minimalist styles.

## Natural grade

Natural Grade is Boral Timber's rustic grade displaying a high level of natural features. This grade offers a unique, aged look with extenuated natural features and is well suited to both commercial interiors and traditional decors.

(Silkwood engineered flooring natural grade may contain some slight finish imperfections.)

# species by product range

Species	Solid 19mm	Solid 13mm	Engineered	Parquetry	Decking	Janka* rating
Australian Beech	✓				✓	7.5
Blackbutt	✓	✓	✓	✓	✓	9.1
Brushbox	✓		✓	✓		9.5
Flooded (Rose) Gum	✓	✓		✓		7.5
Forest Reds	✓				✓	9.1
Grey Ironbark	✓	✓		✓	✓	14.0
Jarra	✓	✓	✓	✓	✓	8.5
Karri	✓	✓		✓	✓	9.0
Messmate	✓	✓		✓		7.1
New England Oak	✓	✓		✓		6.1
Red Mahogany	✓	✓	✓	✓		12.0
Spotted Gum	✓	✓	✓	✓	✓	11.0
Stringybark	✓	✓	✓	✓	✓	8.0
River Reds					✓	7.5
Sydney Blue Gum	✓	✓	✓	✓		9.0
Tallowood	✓	✓	✓		✓	8.6
Tasmanian Oak	✓	✓	✓	✓		5.5
Turpentine	✓			✓		12.0

**Note: The availability of some species is state specific.**

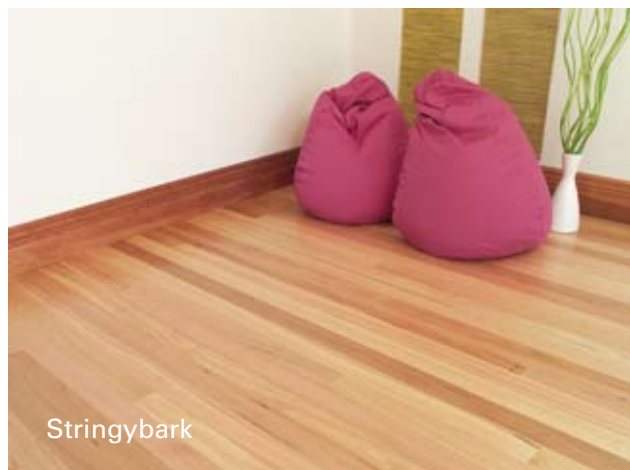
\* The Janka rating is the hardness level given to each species. The higher the number, the greater the hardness.



*Leading the trend towards  
lighter timbers*



# the mountain range



Stringybark



New England Oak



Australian Beech



Flooded (Rose) Gum

The Mountain Range includes Messmate, Stringybark, New England Oak, Australian Beech and Flooded (Rose) Gum. These species are readily available and represent the contemporary trend towards lighter timbers.

There has been a strong movement towards lighter coloured species over the last few years as design and architecture leans towards open plan living spaces. This means that homes in Australia are being designed with larger expanses of flooring than ever before and these expanses are aesthetically more pleasing in lighter tones, such as those in the Mountain Range.

**Messmate** is a well-known hardwood species that has been used in a variety of applications for decades but is now in high demand for flooring. It varies in colour from pale browns through to light yellows with subtle hints of peach. It is a species that is rich in detail with an even texture and beautiful growth rings.

**Stringybark** is a blend of a number of eucalyptus varieties native to various areas of New South Wales, bringing warmth to interior colour schemes. The texture of Stringybark is moderately fine and even, with a straight grain. It is generally a light coloured blend ranging from pale yellow through to soft golden hues.

**New England Oak** is a hardwood timber species blend that embodies the subtle, natural aesthetic of the classic Australian landscape. New England Oak has tonal variations from soft yellows and pinks through to pinkish browns. The texture is medium and even, with a variable grain and prominent growth rings.

**Australian Beech** is a beautiful combination of highland timbers, carefully selected to create a unique colour in hardwood flooring that ranges from pale brown and golden hues to a light cream with a slightly pink tint. The tonal variation found in Australian Beech is one of its sought-after features.

**Flooded (Rose) Gum** is highly prized for its unique, subtle rose tones that vary from the palest pink through to soft reds. Flooded or Rose Gum is ideal for luxurious domestic applications that require a rich but gentle aesthetic. It has a straight grain, an even texture and the occasional natural scribble pattern.

For more details on the Mountain Range species, ask your timber reseller for the Mountain Range brochure and fan deck.



*No matter what your lifestyle,  
Boral Timber Flooring  
has the flooring solution*

solid strip flooring

New England Oak



# a flooring solution for every home

## Boral solid strip flooring

**Traditional 19mm tongue and groove solid strip flooring** has been very popular in Australia for many years. Boral 19mm flooring is nailed to bearers and joists or to battens over concrete.

**Boral 13mm (overlay) solid strip flooring** is designed for those who love the style and warmth of a solid timber floor but don't have the traditional bearers and joists subfloor. Solid 13mm flooring is installed over concrete, old timber floors, plywood or particleboard flooring.

See page 3 for species availability and pages 9 - 12 for further information on the features and benefits of solid strip flooring.

## Boral parquetry

Parquetry transforms your floor into a beautiful, geometric work of art. Block parquetry can be laid in any pattern, using similar or contrasting blocks. Parquetry is designed to be laid over concrete or any flat, dry surface.

See page 3 for species availability and pages 13 - 14 for further information on the features and benefits of Boral block parquetry flooring.

## Boral Silkwood engineered flooring

Boral Silkwood pre-finished engineered hardwood flooring has the sophistication and warmth of real timber in a range of unique Australian hardwood timber species.

Boral Silkwood is designed with a quality multi-layer cross-ply construction, providing a stable timber floor with easy installation over many surfaces.

See page 3 for species availability and pages 15 - 16 for further information on the features and benefits of Boral Silkwood engineered flooring.

## Boral outdoor decking

Australian hardwood decking is seasoned for Australian conditions and is ideal for pool surrounds, outdoor entertaining areas and even as fencing, seating or slat screening.

See page 3 for species availability and page 17 - 18 for further information on the features and benefits of Boral outdoor decking.



parquetry



engineered flooring



outdoor decking





*Traditional solid  
timber flooring*

Blackbutt 108mm wide board



## Boral solid strip flooring - 19mm

The classic style of a traditional timber floor makes hardwood strip flooring virtually fashion-proof. A polished timber floor will look as stylish in 20 years' time as it does today.

Boral 19mm tongue and groove solid strip flooring is precision-milled, providing a wear layer that can be refinished many times over, providing a lifetime of enjoyment. It is manufactured with a tongue and groove profile that is also end-matched for a tight board-to-board fit and a continuous, stable surface.

Boral 19mm is designed to be nailed down over bearers and joists or to battens on concrete. One of the benefits of Boral 19mm is that it can handle foot traffic as soon as it is laid, allowing for other trades on the job before a final sanding and application of the finish.

In the past, 108mm and 130mm wide boards have had to be top nailed. With Boral Timber Flooring's new installation procedure for secret fixing wide boards, board widths of up to 130mm can be secret nailed into the tongue for a smooth and clean finish. Boral Timber Flooring recommends that installation is handled by a professional installer. See the Boral Timber Flooring Secret Fixing Wide Boards brochure for further details.

### Installation requirements

Boral 19mm solid strip flooring has the structural strength to be installed directly onto joists, battens or underply over concrete using secret or top nailing methods.



Spotted Gum 130mm wide board



*The beauty of hardwood  
timber flooring installed on  
any flat, hard surface*



## Boral solid strip flooring - 13mm

Boral 13mm (overlay) solid strip flooring has been designed for those who love the style and warmth of a solid timber floor, but don't have the traditional bearers and joists subfloor structure. Boral 13mm is designed to be glued down directly over concrete, existing timber, plywood or particleboard flooring, as long as the old floor is clean, dry and flat. Boral 13mm is ideal for installing in ground floor renovations over a concrete slab or second storey refurbishments where the carpet has been pulled up and the subfloor is still in place.

Precision milled to 13mm thick, the overlay is thinner than 19mm traditional solid strip flooring. Because Boral 13mm is laid directly over a structural surface such as concrete or plywood, it is well supported and the additional 6mm in thickness is not required.

However, when compared to traditional 19mm solid strip flooring, the 13mm flooring still offers the same depth of wear providing a number of refinishes for a lifetime of enjoyment.

### Installation requirements

Boral 13mm solid strip flooring should be glued onto a concrete slab or directly onto Boral plywood or particleboard.



Spotted Gum





*Elegance and style is  
always in fashion*

Blackbutt with Sydney Blue Gum centres:  
Block Parquetry in Basketweave pattern



## Boral parquet flooring

Parquetry has been used as a hard wearing yet decorative floor covering for centuries. It is still as popular in the twenty-first century as it was when it was used for the floors of grand fifteenth century cathedrals.

Parquetry is the perfect solution for heavy traffic areas such as halls, steps, entrance ways and even commercial interiors. Should a small section be seriously damaged, it can be replaced easily, and after years of wear the entire floor can be restored to as-new condition by sanding and resealing.

Boral parquetry is supplied in the popular block parquetry style. Block parquetry can be laid in any pattern using contrasting coloured timbers to create depth in the design. Blocks of timber are manufactured and then laid individually to create the chosen pattern. There are many popular patterns in Boral block parquetry. Alternatively, custom patterns or feature blocks can be created.

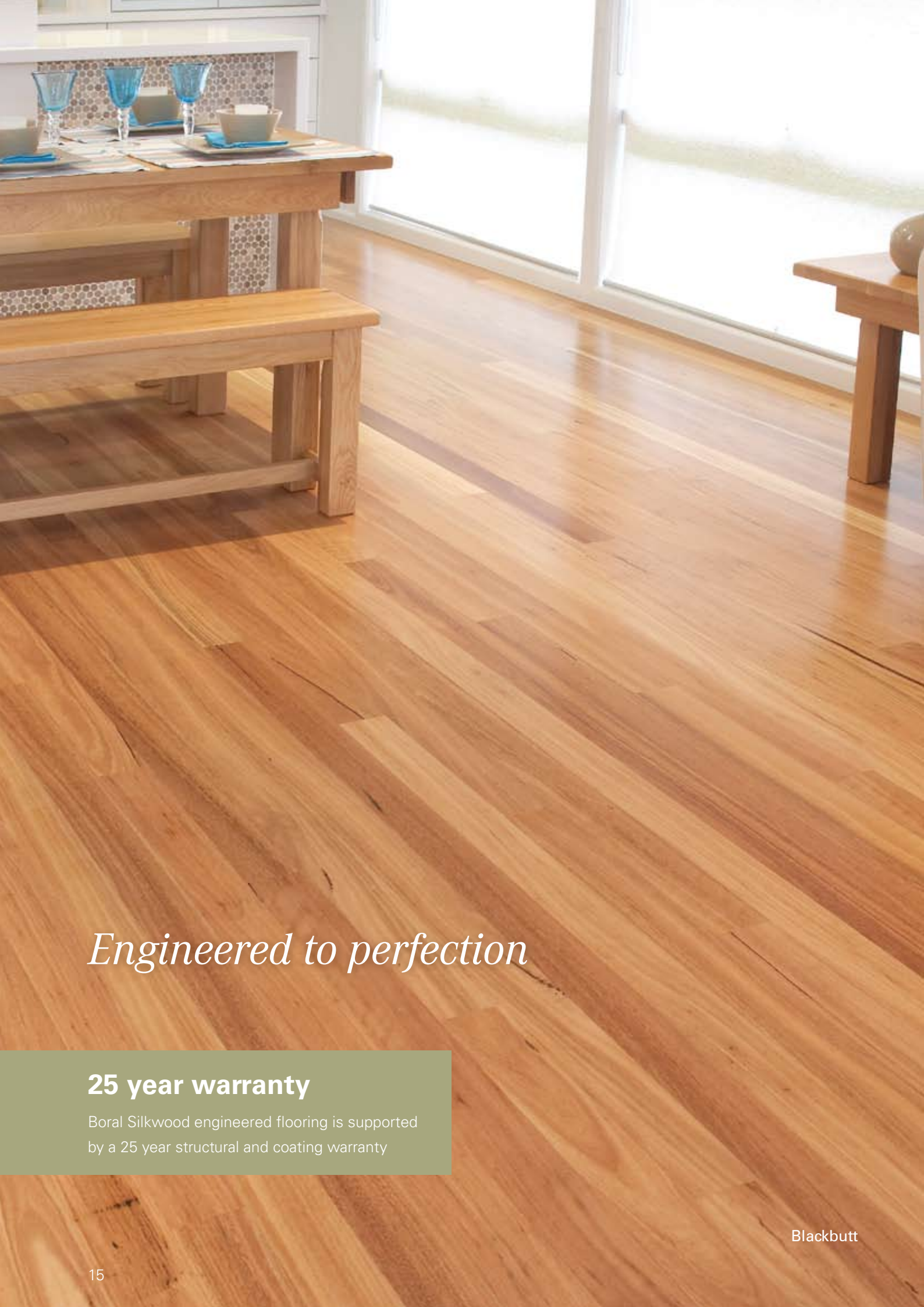
See your local timber flooring showroom for the wide variety of patterns available.

### Installation requirements

Parquetry should be glued directly onto a level subfloor such as concrete, plywood, particleboard or an old timber floor.



Tallowwood with Sydney Blue Gum centres



*Engineered to perfection*

## **25 year warranty**

Boral Silkwood engineered flooring is supported by a 25 year structural and coating warranty

Blackbutt



## Boral Silkwood engineered flooring

Boral Silkwood pre-finished engineered hardwood flooring combines the sophistication of real timber with a quality multi-layer cross-ply construction.

The nominal 4mm thick top layer of each board is manufactured from Australian hardwood while the other layers are made from top quality plywood or plantation pine.

Boral Silkwood fits together using a tongue and groove system and all products are end matched. The boards are precision-milled, providing a square edge for a smooth continuous surface. The hardwood top layer can be re-sanded or re-coated, as with traditional timber floors.

All Boral Silkwood floors are prefinished. The surface is treated with six coats of scratch resistant mid-gloss UV cured acrylic coating, avoiding the mess and fumes of sanding and finishing so that a new Boral Silkwood floor can be walked on within hours of installation. An additional finish can be applied if required.

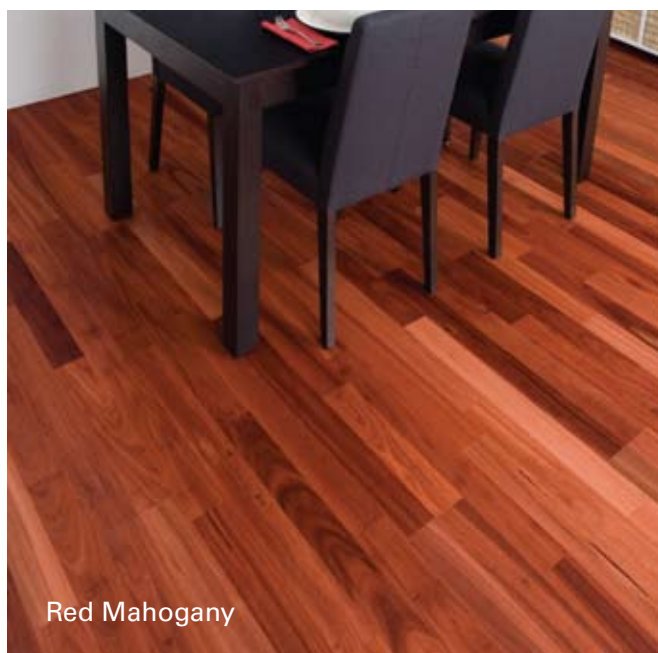
Boral Silkwood boards are supplied in 1 and 2 strip designs, indicating how many strips are across each board. The 1 strip boards are available in 80mm and 133mm widths while the 2 strip board is available in a 166mm width.

Boral Silkwood is easy to install and is designed to be laid over any level, structurally sound subfloor such as a concrete slab, particleboard or plywood, even old tiles or timber flooring.

When used with appropriate underlay, such as Boral RV-4, Boral Silkwood is excellent for multi-level units where acoustically rated sound proofing is important.

### Installation requirements

Boral Silkwood can be glued or 'floated' over any level subfloor such as a concrete slab, particleboard or plywood sheeting or over old timber floors or tiles.



Red Mahogany





*Seasoned for the outdoors*



## Boral outdoor decking

A hardwood timber deck is not only an architectural link between the landscape and the built environment, it adds additional living space as a cost-effective alternative to major extensions.

Timber decks are particularly well suited to sloping sites and are excellent in split-level or two-storey construction. Decks can be cantilevered beyond the outermost bearer by up to one third of the bearer span, which can mean a lot more deck area for minimal additional cost. Timber decking is ideal for pool surrounds and as an alternative to concrete and paving materials. Decking can also be used to enhance the natural flow from indoor flooring to outdoor decking by using the same species.

Decking can also be used for vertical design elements such as screens, seating, gates and fences.

Native Australian hardwoods are an excellent choice for decking because of their high density, toughness, durability and in some species, fire retardancy - perfect for Australian conditions. Boral outdoor decking is seasoned to ensure optimum hardness, stability and long service life. Hardwoods are easy to stain to complement an outdoor colour scheme or can be left raw to create a natural, weathered look.

### Installation requirements

Boral outdoor decking should be nailed or screwed directly to hardwood bearers and joists. Fencing can be screwed into timber or steel posts.



River Reds



# acclimatisation

Timber is a natural (hygroscopic) material. For this reason, solid timber floors may need to be acclimatised to their new local environment before installation. In the home, various conditions such as heaters, air conditioning or direct sunlight can affect the moisture content of the floor. Silkwood engineered flooring does not require acclimatisation.

# installation

Boral Timber Flooring recommends that an experienced professional timber flooring contractor handles the installation as well as the sanding and finishing of a new hardwood timber floor. Ask a local timber flooring retailer for a recommended contractor.

## underlays

Underlays provide floor levelling, cushioning and acoustic properties. Boral Timber Flooring has a variety of quality underlays, such as Boral RV-4 Acoustic Underlay and Boral Silkwood Underlay, that can be installed with a solid or engineered timber floor to provide a range of quality flooring solutions.



Boral RV-4 Underlay

For further information on acclimatisation, underlays or installation  
call 1800 818 317 or visit [www.boraltimberflooring.com.au](http://www.boraltimberflooring.com.au)



# care and maintenance

## Flooring maintenance tips

A timber floor represents a long-term investment. If these care and maintenance tips are used, a hardwood floor should continue to look good and will wear well for many years.

- Use dirt trapping mats at all exterior doors to help minimise dirt, sand and grit. A regular sweep is recommended.
- Fit protective pads to the legs of chairs and tables so that they can be moved easily without the risk of scuffing the floor. If you have furniture with castors use barrel castors rather than ball castors.
- Move rugs from time to time and protect the floor from direct sunlight.
- Avoid high heeled shoes which can dent the floor's surface.

## Floor cleaning tips

- Mop or vacuum regularly. When sweeping, use an electrostatic broom.
- Use only quality floor mops and thoroughly wash new mops to remove any lint.
- Wipe up spills promptly with a dry cloth or paper towel. For sticky spills, moisten the cloth slightly.
- A recommended timber floor cleaner should be used as it will clean without damaging the surface seal.
- Under no circumstances should household detergents or polish be used on a hardwood floor as these may damage the surface finish.
- To remove ground-in dirt, damp-mop the floor. Wring the mop thoroughly to use a minimal amount of water.

## Decking

When hardwood decking is exposed to the elements it will naturally turn a soft silver-grey. To preserve the colour of the timber species and improve the life of the deck, apply a decking finish to the exposed surfaces. Reapply according to the manufacturer's instructions.

After installation, the deck must be swept and cleaned to remove metal filings from drilling, nailing or other construction that may cause black spots on the deck when exposed to the elements. If the deck has turned grey from natural weathering or has been discoloured due to metal filings, a solution of oxalic acid crystals mixed with water will help bring it back to its original beauty.



Sydney Blue Gum



Tallowwood

Note: Variations of colour within a timber species are normal, therefore photographs, samples and display floors can only be indicative of the colour range of the timber species nominated. Timber is a natural product and commonly reacts to changes in atmospheric conditions such as humidity and temperature. This is considered normal. It is recommended that these species are viewed at a timber flooring showroom before a decision is made on colour.

creating**better**living

[www.boraltimberflooring.com.au](http://www.boraltimberflooring.com.au)  
National free call 1800 818 317

**Boral Timber Flooring**  
THE NATURAL SELECTION



Printed on recycled paper using vegetable inks.

PURE2563/NOV08