



MAHONEYS TIMBER & HARDWARE

– EST 1984 –

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Product **selection** guide

HARDWOOD TIMBER FLOORING & DECKING



AFS/01-31-38



PEFC/21-31-38

Promoting sustainable forest management



The origins of Boral Timber can be traced back more than 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 Australian hardwood products and an industry leader in hardwood flooring.

From its headquarters in Sydney, Boral Timber coordinates its production and distribution operations across Australia. The company's solid hardwood flooring products are produced at long-established mills in central and northern New South Wales.

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



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Timber & environmental sustainability

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

Australian forests are protected by strict Federal and State controls and regulations ensuring that there is a healthy balance between long term conservation and sustainable forestry management. This demonstrates a long term commitment to Australian forestry, deemed in 2005 to be the only Australian carbon positive industry.¹

Australian public nature conservation reserves, locked away for future generations, are nearly two and a half times larger than production forestry,² demonstrating Australia's commitment to long term sustainability.

For further information on timber and its sustainability credentials, ask your timber reseller for the Building a Sustainable Future brochure or visit www.boral.com.au/timber

“Buying timber sourced from certified and legal sources means you’re supporting sustainable timber harvesting and processing and making a positive impact on the environment.”



1. Department of Climate Change. (2008). Carbon Pollution Reduction Scheme Green Paper.
2. ABARES. (2011). *Australia's forests at a glance 2011*.

Boral Timber solid hardwood products have full Chain of Custody certification which meets the Australian Forestry Standard (AFS) AS 4707-2006.

Boral Timber has implemented AFS Chain of Custody certification to support responsible and sustainable forest management in Australia.

Chain of Custody tracks a forest or wood product from its origin in a certified forest, through to its end use by the consumer. The AFS Chain of Custody certification verifies that Boral Timber solid hardwood products are produced from certified, legal and sustainable resources. As such, Chain of Custody is a tracking process that provides an environmental assurance standard for the sustainable use of Australia's forest resources.

The Australian Forestry Certification Scheme (AFCS) has been developed to promote sustainable forestry management specifically for the Australian environment. The AFCS has mutual recognition by the Programme for the Endorsement of Forest Certification Scheme (PEFC) – the world's largest forest management certifier. The Australian Forestry Standard Scheme is the only Australian forest certification scheme with an Australian Standard (AS4708-2007).

With Australian Forestry Standard (AFS) certified products, the timber used for Boral Timber's solid hardwood flooring and decking is sourced from legal and sustainably managed resources.



Promoting sustainable forest management

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 - 7.

step two

Select a timber grade

from a variety of subtle, moderate or highly featured timbers. See page 8 for details.

step three

Choose a board width

from a range of widths in each flooring product. See pages 9 - 18.

step four

Select a flooring product

from the quality range of solid flooring, or outdoor decking. See pages 9 - 18. The choice of flooring product is closely related to the installation method.

step five

Select an installation method

in combination with the choice of flooring product. See pages 11 - 19 for the appropriate installation methods for each product.

“By following a few simple steps, choosing a new hardwood timber floor to suit your interior design and reflect your personal style, is easy. Hardwood timber flooring is both elegant and durable, making it suitable for your lifestyle.”



Beautiful Australian species



Boral Timber has access to some of the most sought after native Australian hardwood timber species on the market. From the blondes of Blackbutt, Stringybark and Messmate and the unique grain features of Spotted Gum, Tallowwood and Australian Beech to the rich reds of Sydney Blue Gum and Red Mahogany and the beautiful pink blushes of New England Oak and Flooded (Rose) Gum, the broad colour palette of timbers available from Boral Timber will suit any interior.

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 species samples shown here are indicative only and do not necessarily show the colour variation that can be naturally found in each species.

Call Boral Timber on 1800 818 317 or visit www.boral.com.au/timber for a list of local timber flooring showrooms.

Flooded (Rose) Gum

The mountain range

There has been a strong movement towards lighter coloured species over recent 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.



Leading the trend towards lighter timbers

Messmate is a well-known hardwood species that has been used in a variety of applications for decades. 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.

Janka* rating 7.1

Stringybark is a blend of eucalyptus varieties native to various areas of New South Wales. The texture of Stringybark is moderately fine and even with a straight grain. It is a light coloured blend ranging from pale yellow through to golden hues and light browns.

Janka* rating 8.0

New England Oak embodies the subtle, natural visual aesthetic of this classic Australian landscape.

New England Oak tone varies from soft yellows and pinks to pinkish browns. The texture is medium and even, with a variable grain and prominent growth rings.

Janka* rating 6.0

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

Janka* rating 7.1

Flooded (Rose) Gum is highly prized for its unique, subtle rose tones that vary from pale pink to soft reds and red browns. Flooded 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.

Janka* rating 7.5

Beautiful Australian species



Tallowwood is a prestigious timber that is sought after by architects. It is an exceptionally durable hardwood species with unique colour and grain structure. It is predominately yellowish brown with a tinge of olive green and beautiful growth rings.

Janka* rating 8.6



Blackbutt is a commonly grown hardwood that has attractive colouring from cream to pale brown and an occasional tinge of pink.

Janka* rating 9.1



Tasmanian Oak is a combination of three Eucalypt species commonly found in Tasmania. Together they produce a blend of beautiful colouring from pale cream to pink and reddish-brown. Tasmanian Oak logs are quarter sawn to produce an extremely straight and even grain.

Janka* rating 4.9



Brushbox has long been sought after for its unique properties and aesthetic qualities. It has a fine and even texture with a beautiful, rich colour. It can vary from pale pinkish grey to rich reddish brown.

Janka* rating 9.5

* Hardness



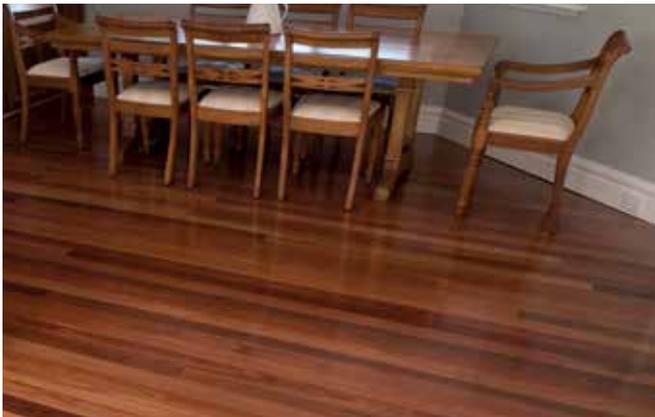
Spotted Gum. The word “spotted” refers to the soft mottled colour caused by weathering of the outer tree as it sheds elliptical strips of bark. This colour varies from pale grey browns and soft creams to a rich chocolate brown. A very tough timber, its frequent wavy grain can produce an attractive and highly valued fiddleback effect.

Janka* rating 11.0



Turpentine is a highly durable hardwood species that is commonly grown in New South Wales and southern Queensland. In colour, it varies from pale to dark reddish-brown through to deep chocolate brown. It has a straight grain and coarse but even texture.

Janka* rating 12.0



Ironbark produces a stunning array of timber hues from pale brown to dark chocolate brown as well as dark red. The grain is usually interlocked, with a moderately coarse texture.

Janka* rating 14.0



River Reds is pale pink to soft red brown with straight grain and a moderately coarse and even texture. It is commonly used for outdoor applications such as decking and fencing.

Janka* rating 7.5

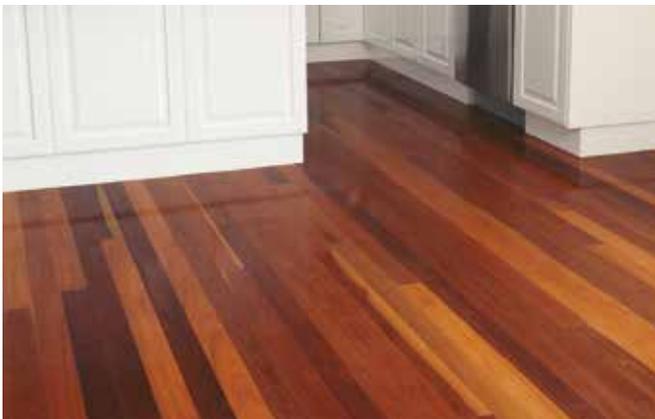
* Hardness

Beautiful Australian species



Sydney Blue Gum is a well-known timber found on the east coast of Australia. It has a straight grain that is sometimes interlocked. Its distinctive colour varies from soft pinks to dark pinks and red browns.

Janka* rating 9.0



Forest Reds is a blend of medium to large hardwoods harvested from the coastal regions. Timber colour ranging from pale pinks to deep rich reds, which when blended in flooring, give a particularly warm, luxurious appearance.

Janka* rating 9.0



Red Mahogany is an extremely dense hardwood species, with subtle changes of colour from a mix of pale tones of sapwood to the dark, rich red colouring which is unique to Red Mahogany. Its density and rare colouring have made it a prestigious timber species that is highly sought after.

Red Mahogany represents a good alternative to Jarrah which has become more difficult to source.

Janka* rating 12.0



Jarrah is one of the few commercial species from Western Australia. Jarrah is renowned world-wide for its density, resistance to insect attack and beautiful rich red colour which deepens over time into a soft burgundy. Jarrah's beautiful colouring and exceptional hardness are a perfect combination for commercial and residential flooring.

Janka* rating 8.5

* Hardness

select a timber grade

Boral Timber meets Australian Standards (AS 2796.1 and AS 2796.2) 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.



Classic grade

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

Standard & Better Grade

Standard & Better Grade is carefully graded to include the most interesting and moderate features of Australiana grade flooring. This grade offers a minimum level of natural features best suited to a modern style.

Australiana grade

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

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.

species by product range

Species	Solid 19mm	Solid overlay	Parquetry	Decking	Janka* rating
Australian Beech	✓	✓	✓		7.1
Blackbutt	✓	✓	✓	✓	9.1
Brushbox	✓	✓	✓		9.5
Forest Reds	✓	✓	✓	✓	9.0
Ironbark	✓		✓	✓	14.0
Jarrah	✓	✓	✓	✓	8.5
Red Mahogany	✓		✓	✓	12.0
Spotted Gum	✓	✓	✓	✓	11.0
Stringybark	✓			✓	8.0
River Reds				✓	7.5
Sydney Blue Gum	✓	✓	✓		9.0
Tallowwood	✓		✓	✓	8.6
Tasmanian Oak	✓	✓	✓		4.9
Turpentine	✓		✓		12.0

Note: The availability of some species is state specific and some additional species may be available on request.

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

Product overview

A FLOORING SOLUTION **FOR EVERY HOME**



New England Oak beautifully transformed through staining

solid strip flooring

New England Oak



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 8 for species availability and pages 15 - 16 for further information on the features and benefits of Boral block parquetry flooring.

Boral 19mm solid strip flooring

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

Boral overlay solid strip flooring

Boral 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. Overlay flooring is installed over concrete, existing timber floors or plywood.

See page 8 for species availability and pages 11 - 14 for further information on the features and benefits of solid strip flooring.

Boral 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 8 for species availability and page 17 - 18 for further information on the features and benefits of Boral decking.



Traditional solid timber flooring

BORAL SOLID STRIP FLOORING - **19MM**



Blackbutt 130mm wide



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.

Secret fixing wide boards

In the past, 130mm wide boards have had to be top nailed. With Boral Timber 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 recommends that installation is handled by a professional installer. See the Boral Timber installation brochure for further details at www.boral.com.au/timber.

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.

Available Sizes

63mmx19mm, 85x19mm,
130x19mm, 180x20.5mm



Spotted Gum 130mm wide board

Traditional solid timber flooring

BORAL OVERLAY SOLID STRIP FLOORING - **13MM AND 14MM**



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



Installation requirements

Boral overlay solid strip flooring should be glued onto a concrete slab or directly onto Boral plywood or existing timber floors.

Available Sizes

80x13mm & 130x14mm

Boral 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 overlay is designed to be glued down directly over concrete, existing timber flooring, or Boral plywood, as long as the existing floor is clean, dry and flat. Boral overlay 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.

Boral overlay provides a range of options with an 80mm wide board and a wider 130mm board in a range of species.

Precision milled to 13mm or 14mm thick, the board is thinner than 19mm traditional solid strip flooring. Because Boral overlay is laid directly over a structural surface such as concrete or plywood, it is well supported and the additional 6mm thickness is not required.

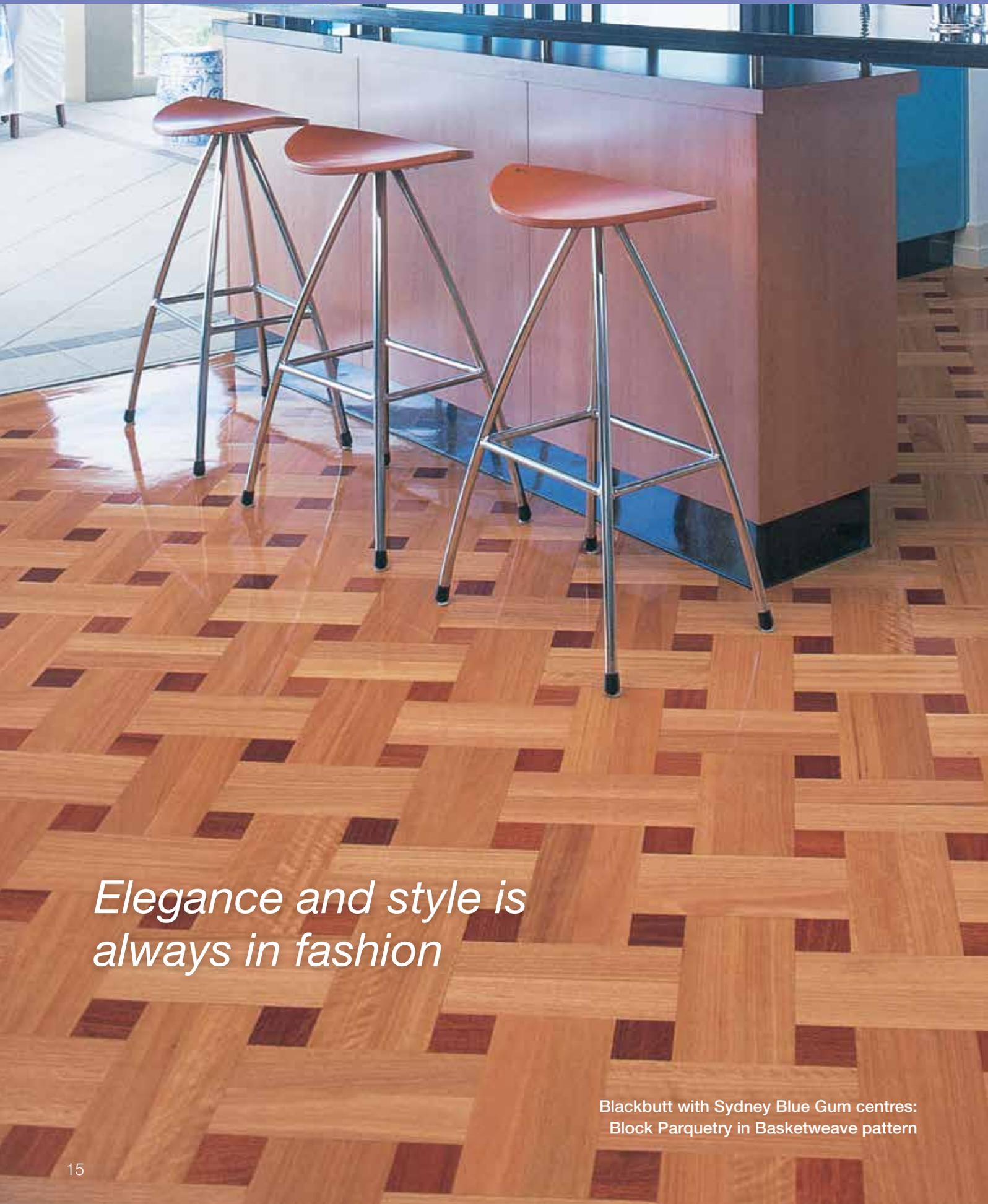
However, when compared to traditional 19mm solid strip flooring, Boral overlay flooring still offers the same depth of wear, providing a number of refinishes for years of enjoyment.



Spotted Gum

Boral parquetry flooring

PARQUETRY **FLOORING**



*Elegance and style is
always in fashion*

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



Installation requirements

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

Available Size

260x65x18mm

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 near 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.



Tallowood with Sydney Blue Gum centres

Boral decking

HARDWOOD **DECKING**



Seasoned for the outdoors



Installation requirements

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

Available Sizes

64x19mm, 86x19mm,
130x19mm, 135x32mm

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. Boral Timber's commercial decking can be used for a range of structures where a greater load capacity and wider spanning between supporting members is required.

Timber decking is excellent 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 and termite resistance - great for Australian conditions. Boral 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 untreated to create a natural, weathered look.



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.

installation

Boral Timber recommends that a qualified 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 has a variety of quality underlays, such as Boral RV-4 Acoustic Underlay, that can be installed with timber flooring 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.boral.com.au/timber

care and maintenance

Flooring maintenance tips

A timber floor represents a long-term investment. With proper care and maintenance a hardwood timber floor should continue to look good and wear well for many years.

- Use dirt trapping mats at all exterior doors to minimise dirt, sand and grit. Sweep regularly.
- Fit protective pads to the legs of chairs and tables so floors don't get scuffed. 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

- Regularly vacuum, with a soft bristle head or an electrostatic attachment, or sweep with an electrostatic mop.
- For stubborn dirt, damp-mop the floor using a well rung mop. Dry immediately after mopping with a clean cotton towel, to remove any excess moisture from the floor. A pH neutral floor cleaner can help remove stubborn dirt (use as per manufacturer's instructions).

- Never clean a floor with common household detergents, polishes, steel wool pads, wax or similar products. Never use Methylated Spirits or Kerosene, as any type of petroleum distillate will degrade the coating and irreversibly dull the floor. Only use a pH neutral floor cleaner as per manufacturer's instructions.
- Use only quality lint free floor mops and thoroughly wash new mops to remove any lint.
- Over wetting a floor when mopping or cleaning can change the moisture balance and cause a floor to expand, which may result in cupping. Ensure that the mops and cloths are well wrung.
- Steam mops are not recommended for cleaning timber floors. Steam (moisture) is forced into the joints of the timber and any small incisions, breaks or cracks on the timber floor surface resulting in unusual reactions in the timber such as cupping. The heat from the steam mop could also cause damaged to the coating on the floor.

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.

Request a Boral Timber Care and Maintenance brochure for further information on how to care for a Boral timber floor or deck



A timber floor represents a long-term investment. It should continue to look good and will wear well for many years.



Promoting sustainable forest management

Boral Timber solid hardwood products are AFS chain of custody certified (AS 4707-2014), the only chain of custody certification process that is an Australian Standard. This provides peace of mind that Boral's timber is sourced from sustainably managed and legal forestry. The Australian Forestry Standard Scheme has mutual recognition by the Programme for the Endorsement of Forest Certification Scheme (PEFC) – the world's largest forest management certifier.

Tallowood

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.

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