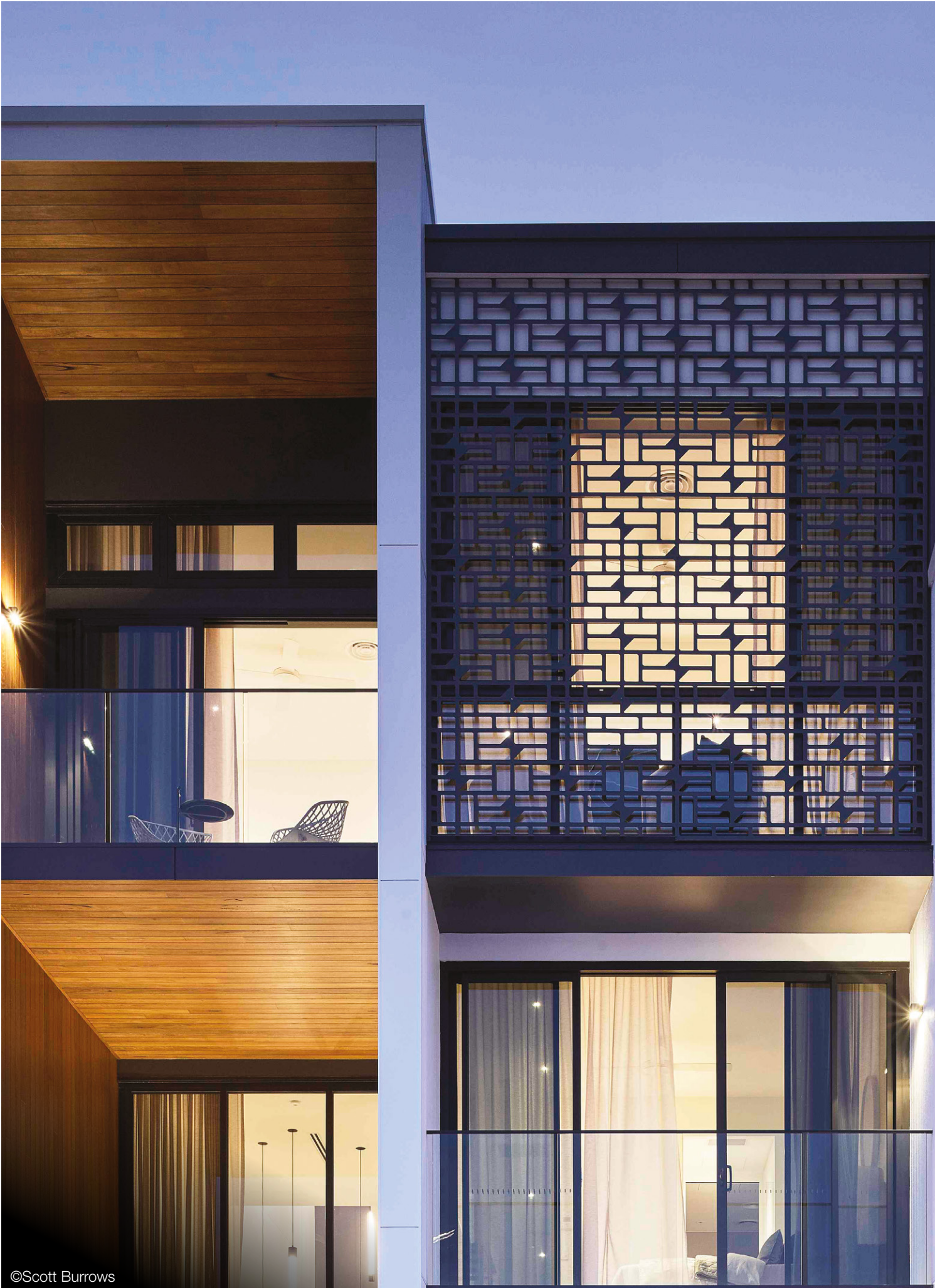




TIMBER

PRODUCT SELECTION GUIDE

MAY 2021



©Scott Burrows



Timber Grades	4
Selecting Timber	5
Australian Timber Species	6
Product by Species	7
Premier Solid Flooring™	8
Premier Solid Overlay Flooring™	10
Engineered Flooring	12
metallon XL™	14
Parquetry	16
Premier Decking™	18
Premier Cladding and Lining™	20
Solid Seasoned F27	22
Environmental Choice	24
Chain of Custody	24
Care and Maintenance	27

TIMBER GRADES

Pentarch Forestry meets the structural requirements of Australian Standards (AS 2796.1 and AS 2796.2), however aesthetically Pentarch Forestry utilises the grading system shown below. 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. Our Timber flooring is not graded for colour variation or grain patterns as they form part of the natural beauty of timber flooring.



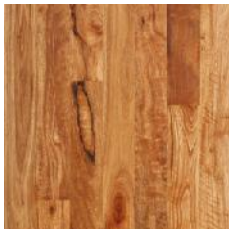
CLASSIC GRADE

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.



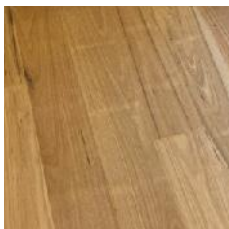
STANDARD AND BETTER GRADE

Carefully graded to include the most interesting and moderate timber characteristics. This grade offers a minimum level of natural features suited to most design styles.



NATURAL GRADE

Pentarch Forestry'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.



Stains and sticker marks are a permissible feature on natural grade only.





SELECT THE **RIGHT TIMBER**

Australian hardwood timbers are durable and have a timeless look.

By following a few simple steps, choosing a new hardwood timber feature to suit your home and reflect your personal style, is easy.

STEP ONE Select a **timber product** from the quality range of Solid Flooring, Engineered Flooring, Parquetry, Cladding, Lining, Structural (F27) or Outdoor Decking. The choice of product is closely related to the installation method. See pages 8-22.

STEP TWO Select a **hardwood timber species** from a broad range of Australian species from light browns to deep reds. See page 6.

STEP THREE Select a **board width** from a range of widths in each timber product. See pages 8-22.

STEP FOUR Select a **timber grade** from a variety of subtle, moderate or highly featured timbers. See page 4.

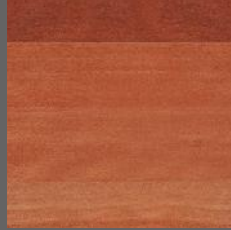
STEP FIVE Select an **installation method** in combination with the choice of flooring product. For the appropriate installation methods for each product. See pages 8-22.

TIMBER SPECIES



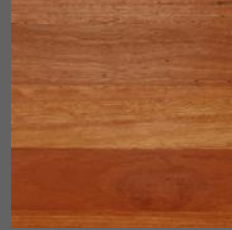
Blackbutt

A commonly grown hardwood that has attractive colouring from cream to pale brown and an occasional tinge of subtle pink.



Brushbox

Sought after for its unique properties and aesthetic qualities. A fine and even texture varying from pale pinkish grey to rich reddish brown.



Flooded (Rose) Gum

Prized for its unique, soft rose tones varying from pale pink to soft reds and red browns. It has a straight grain and the occasional natural scribe pattern.



Forest Reds

A blend of various sized hardwoods harvested from coastal regions. From pale pinks to deep reds, which when blended in flooring, give any venue a warm and luxurious look.



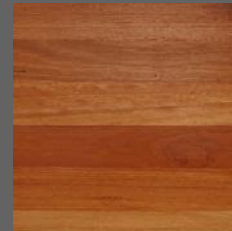
Ironbark

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 surface texture.



Red Mahogany

A classic timber with subtle changes of colour from a mix of pale tones of sapwood to the dark, rich red colouring that is unique to the Red Mahogany species.



River Reds

A mix of pale pink to soft red brown with a straight grain and a moderately coarse and even texture. Used for various outdoor applications such as decking and fencing.



Spotted Gum

A soft mottled colour that varies from pale grey browns and soft creams to rich chocolate brown.



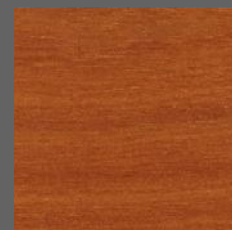
Sydney Blue Gum

A well-known east coast timber. It has a straight grain that is sometimes interwoven. Its distinctive colour varies from soft pinks to dark pinks and red toned browns.



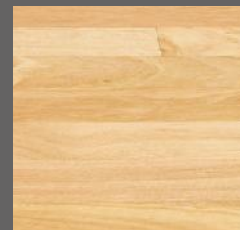
Tallowwood

An exceptionally durable hardwood with unique colour and grain structure. It is predominately yellowish brown with a tinge of olive green and beautiful growth rings visible.



Turpentine

A highly durable hardwood species. In colour, it varies in hues of reddish-brown through to deep chocolate. It has a straight grain and a coarse but evenly textured surface area.



White Mahogany

A premium native hardwood with a unique palette that ranges from pale brown and golden hues to a light cream with a slightly pink tint.



© Stuart James Ply Ltd

PRODUCT BY SPECIES

Species	Solid Flooring	Solid Overlay	Engineered Flooring	metallon XL™	Parquetry	Decking	Cladding Lining	F27	Janka* Rating
Blackbutt	✓	✓	✓	✓	✓	✓	✓	✓	8.9
Brushbox	✓	✓			✓				9.1
Flooded (Rose) Gum	✓								7.3
Forest Reds						✓			8.1
Grey Ironbark	✓				✓	✓	✓		16.0
Red Ironbark	✓								11.9
Red Mahogany	✓								12.0
Royal Reds						✓			12.0
Spotted Gum	✓	✓	✓		✓	✓	✓	✓	10.1
Stringybark	✓					✓			8.8
Sydney Blue Gum	✓	✓	✓		✓				8.1
Tallowwood	✓				✓	✓	✓		8.6
Turpentine	✓				✓	✓			11.6
White Mahogany	✓					✓	✓		12.0
New England Blackbutt	✓								9.2

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

THE CLASSIC STYLE OF A TRADITIONAL TIMBER FLOOR

ENSURES THAT HARDWOOD STRIP FLOORING NEVER GOES OUT OF FASHION.

Premier solid flooring is precision-milled, providing a wear layer that can be refinished, providing long-lasting 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.

Premier solid flooring range is designed to be glued and nailed down over bearers and joists or to battens on concrete. One of the benefits 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 Pentarch Forestry 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. Pentarch Forestry recommends that installation is handled by a professional installer. See the Pentarch Forestry installation guide for further details at www.pentarch.com.au/timberproducts.html

Installation Requirements

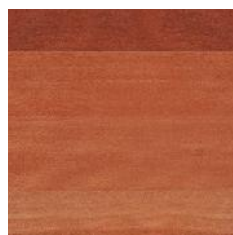
Pentarch Forestry's solid flooring range has the structural strength to be installed directly to joists, battens, underply over concrete, existing timber floors or particle board sheet flooring using secret or top nailing methods.

Available Sizes

63 x 19mm, 85 x 19mm, 130 x 19mm and 180 x 20.5mm (top nail only)
Random lengths up to 5700mm



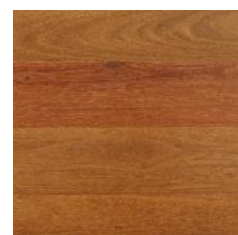
Blackbutt



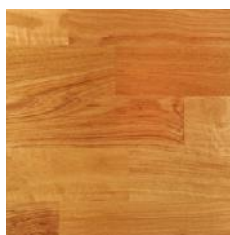
Brushbox



Flooded (Rose) Gum



Ironbark



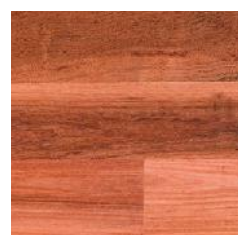
New England Blackbutt



Red Mahogany



Spotted Gum



Sydney Blue Gum



PREMIER SOLID FLOORING™

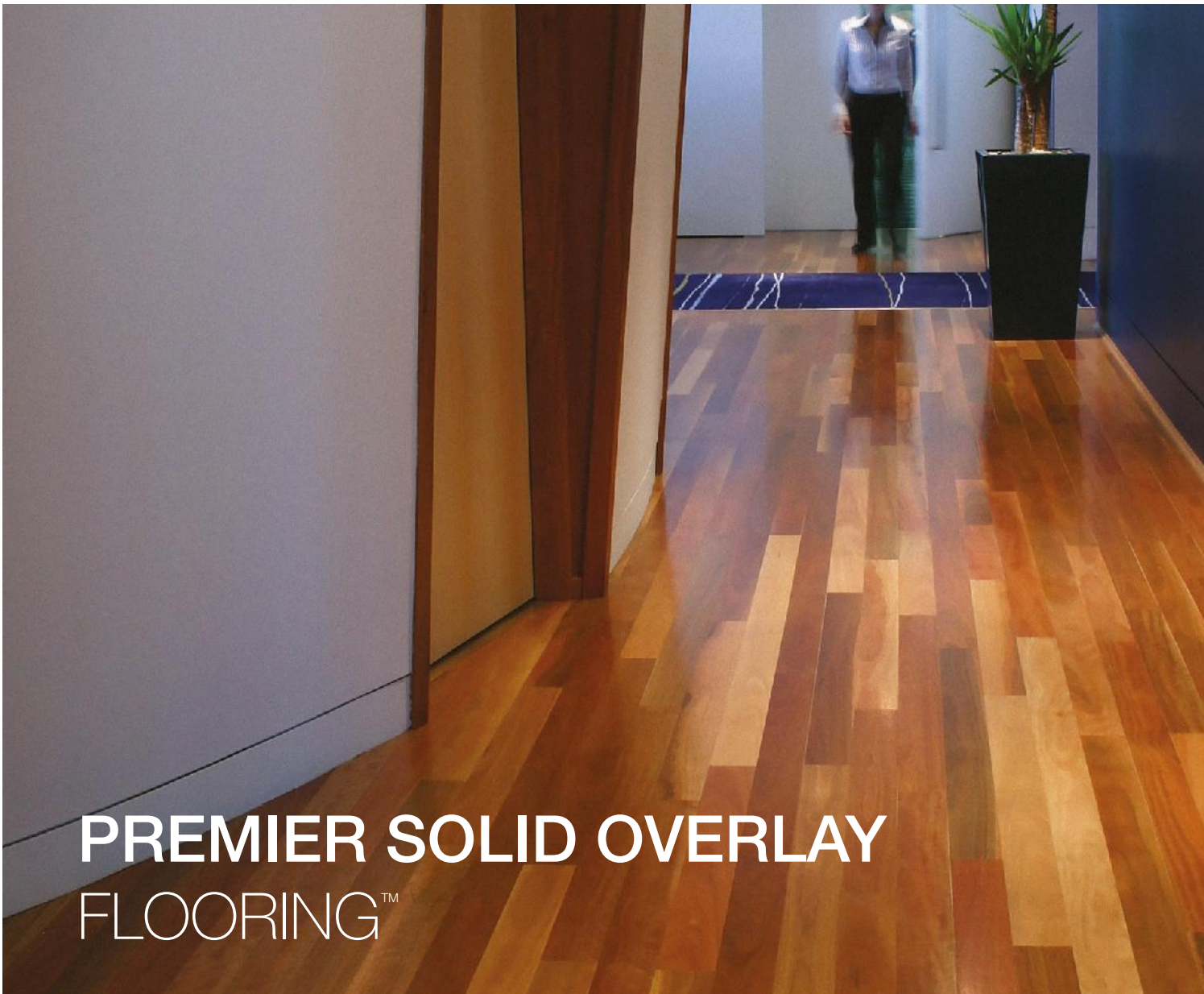
Blackbutt



Spotted Gum



Stringybark



PREMIER SOLID OVERLAY FLOORING™



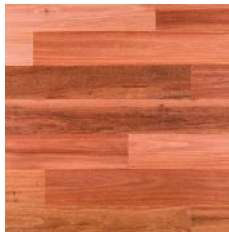
Blackbutt



Brushbox



Spotted Gum



Sydney Blue Gum



Spotted Gum

PENTARCH FORESTRY'S PREMIER SOLID OVERLAY FLOORING™ RANGE HAS BEEN DESIGNED

FOR THOSE WHO LOVE THE STYLE AND WARMTH GIVEN BY A SOLID TIMBER FLOOR, BUT DON'T HAVE THE TRADITIONAL SUBFLOOR STRUCTURE.

The Premier solid overlay flooring range is designed to be glued and nailed down directly over concrete, existing timber flooring, or structural underply, as long as the existing floor is clean, dry and flat. It is ideal for installing in ground floor renovations over a concrete slab or second storey refurbishments where the subfloor is still in place.

The Premier solid overlay flooring range provides a number of options with an 80mm wide board and a wider 130mm board in a range of species. Precision milled to 14mm thick; the board is thinner than 19mm traditional solid strip flooring range. Because the overlay is laid directly over a structural surface such as concrete or plywood, it is well supported, and the additional 5mm thickness is not required.

When compared to traditional solid strip flooring range, the overlay flooring still offers a similar depth of wear, providing a lifetime of enjoyment.

Installation Requirements

The Premier solid overlay flooring range should be glued and nailed onto a concrete slab or directly to structural underply or existing timber floors or particle board sheet flooring.

Available Sizes

80 x 14mm, 130 x 14mm and 180 x 14mm
Random lengths up to 3600mm



Blackbutt



Brushbox

PENTARCH'S ENGINEERED FLOORING BRINGS THE SOPHISTICATION AND WARMTH OF REAL TIMBER TO A HOME IN A RANGE OF UNIQUE AUSTRALIAN HARDWOOD TIMBER SPECIES.

Our Engineered Flooring is designed with a quality multi-layer construction, providing a stable timber floor with easy installation over many surfaces.

Features and Benefits

- Pentarch Engineered Flooring 134mm is pre-finished with seven layers of matte finish 35% gloss UV cured acrylic coating, while the 186mm is coated with a 10% UV cured acrylic matte & brushed for added texture
- The 4mm nominal hardwood top layer allows resanding & recoating for a long service life
- The board has a 4 side UNICLIC® profile for a tight board-to-board fit and consistent finish
- The clear coating highlights the natural colour and timber features
- No mess and fumes from sanding and finishing
- Can be walked on within hours of installation

Installation Requirements

Pentarch engineered flooring 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.

Available Sizes

134 x 14mm and 186 x 14mm – Up to six short boards per pack

Grade

Standard & Better

Underlays

Underlays assists with floor levelling, cushioning and acoustic properties. Pentarch Forestry has a variety of quality underlays, such as Pentarch Forestry RV-4 Acoustic Underlay, that can be installed with timber flooring to provide a range of quality flooring solutions for any venue.



Blackbutt



Spotted Gum



Sydney Blue Gum
(134mm only)





ENGINEERED FLOORING

Spotted Gum



Spotted Gum



Blue Gum



metallon XL™



Aztec White



Copper



Quicksilver



Sterling



Tungsten



Aztec White

PENTARCH METALLON XL™ ENGINEERED FLOORING ENVELOPES THE EARTHY BEAUTY OF TIMBER FLOORING AND CONTEMPORARY AESTHETICS OF PRECIOUS METALS, CREATING A SYNERGY THAT IS TRULY INDULGENT.

With click lock installation, metallon XL™ seamlessly integrates into your space. Pre-finishing minimises the extra work required and allows for versatility with its ability to be sanded back to reveal a more natural blackbutt finish.

Features and Benefits

- Available in beautiful Australian Blackbutt
- No mess and fumes from sanding and finishing
- Low sheen high-quality European UV-cured acrylic lacquer
- Minimum 100gsm film build, for better wearability
- Easy installation over multiple surface types featuring the UNICLIC® Locking System on all four sides
- Unique colour and grain variations to suit any requirements

Installation Requirements

Pentarch metallon XL™ engineered flooring 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.

Available Size

186 x 14mm – Up to six short boards per pack

Grade

Standard & Better

Underlays

Underlays assists with floor levelling, cushioning and acoustic properties. Pentarch Forestry has a variety of quality underlays, such as Pentarch RV-4 Acoustic Underlay, that can be installed with timber flooring to provide a range of quality flooring solutions for any venue.



Quicksilver



Sterling



PARQUETRY

©Daniel Jordan Homes Spotted Gum



Blackbutt



Ironbark



Spotted Gum



Sydney Blue Gum



Tallowwood



Turpentine

PENTARCH 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 Pentarch block parquetry. Alternatively, custom patterns or feature blocks can be created.

Features and Benefits

- Parquetry is an extremely durable floor covering making it the perfect solution for heavy traffic areas such as halls, steps, entrance ways and even commercial interiors
- Can be laid down in many patterns
- Should a small section be seriously damaged, it can be easily replaced. After years of wear the entire floor can be restored by sanding and refinishing

Installation Requirements

Pentarch parquetry flooring should be glued over any level subfloor such as a concrete slab, particleboard, plywood sheeting or over old timber floors. Consult your floor installer for your best requirements.

Available Sizes

- Standard 260 x 65mm
- Grande 600 x 120mm
- Jumbo 340 x 85mm



©Marques Flooring Blackbutt

ENGINEERED HERRINGBONE PARQUETRY™

Features and Benefits

- Coated with a 10% UV cured acrylic matte and brushed for added texture
- The 4mm nominal hardwood top layer allows re-sanding and re-coating for a long service life
- Each board is end matched and tongue and grooved for a tight board-to-board fit and consistent finish
- The clear coating highlights the natural colour and timber finishes
- No mess and fumes from sanding and finishing

Installation Requirements

Pentarch parquetry flooring should be glued over any level subfloor such as a concrete slab, particleboard, plywood sheeting or over old timber floors. Consult your floor installer for your best requirements.

Available Size

122 x 610 x 14mm and 134 x 670 x 14mm

Grade

Standard & Better



Blackbutt



Spotted Gum

A HARDWOOD TIMBER DECK IS NOT ONLY AN ARCHITECTURAL LINK BETWEEN THE LANDSCAPE AND THE BUILT ENVIRONMENT, IT ADDS ADDITIONAL LIVING SPACE.

Timber decks are particularly well suited to sloping sites and are excellent in split-level or two-storey construction. Pentarch Forestry'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 in accordance with local building codes and install guide. Decking can also be used to enhance the natural flow from indoor to outdoor 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. Pentarch Forestry's Premier timber decking is seasoned to ensure optimum hardness, stability and long service life.

Installation Requirements

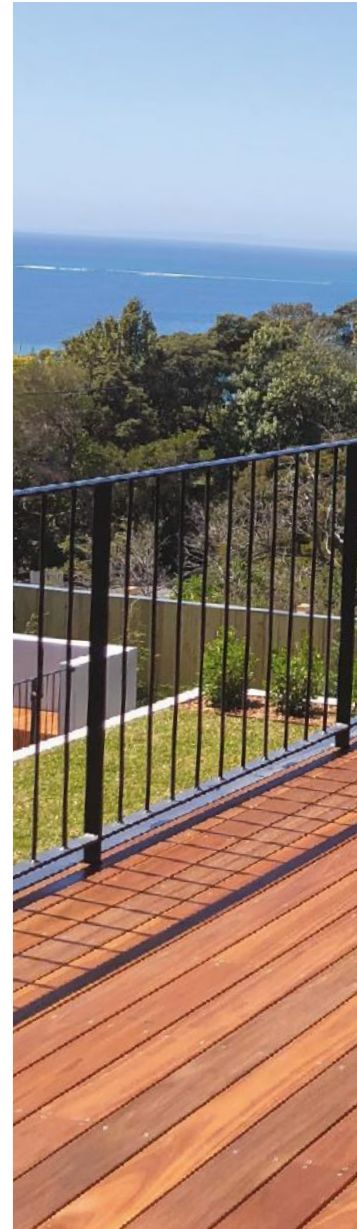
Pentarch's Premier decking should be nailed or screwed directly to hardwood bearers and joists. Fencing can be screwed into timber or steel posts. Please note that a structural engineer should be consulted on all structural designs and the relevant authorities should be consulted.

Finishing

Hardwoods are easy to stain to complement an outdoor colour scheme or can be treated with a clear preservative treatment to create a natural, weathered look. Check your local building codes and finishing manufacturers requirements when installing.

Available Sizes

64 x 19mm, 86 x 19mm, 130 x 19mm and 135 x 32mm
600 Series – 90 x 22mm and 134 x 22mm





PREMIER DECKING™

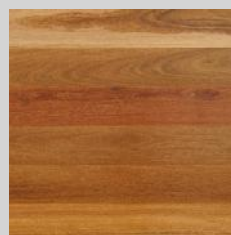
Blackbutt



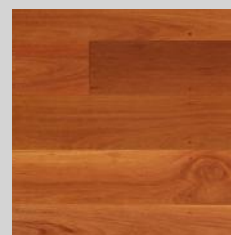
Blackbutt



Forest Reds



Ironbark



Royal Reds



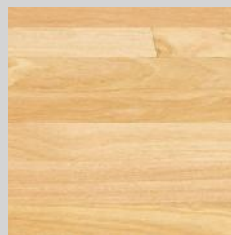
Spotted Gum



Tallowwood



Turpentine



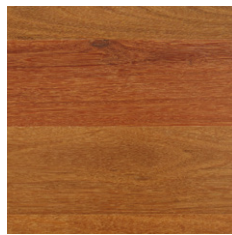
White Mahogany



PREMIER CLADDING AND LINING™



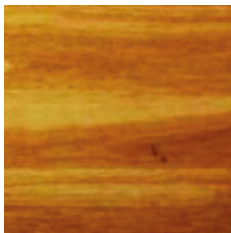
Blackbutt



Ironbark



Spotted Gum



Tallowood



White Mahogany





HARDWOOD TIMBER PREMIER CLADDING AND LINING PROVIDES AN ENVELOPE THAT PROTECTS A BUILDING.

HARDWOOD TIMBER CLADDING AND LINING IS AN INCREASINGLY POPULAR CHOICE FOR FINISHING THE EXTERIOR OF BUILDINGS.

Premier cladding and lining offers design freedom, ease of handling, a range of products and the natural beauty of Australian timber species. Pentarch's Premier cladding and lining provides an attractive and economical way to finish the exterior and interior of both new and old buildings and suits a traditional, modern or uniquely designed commercial or residential building.

Features and Benefits

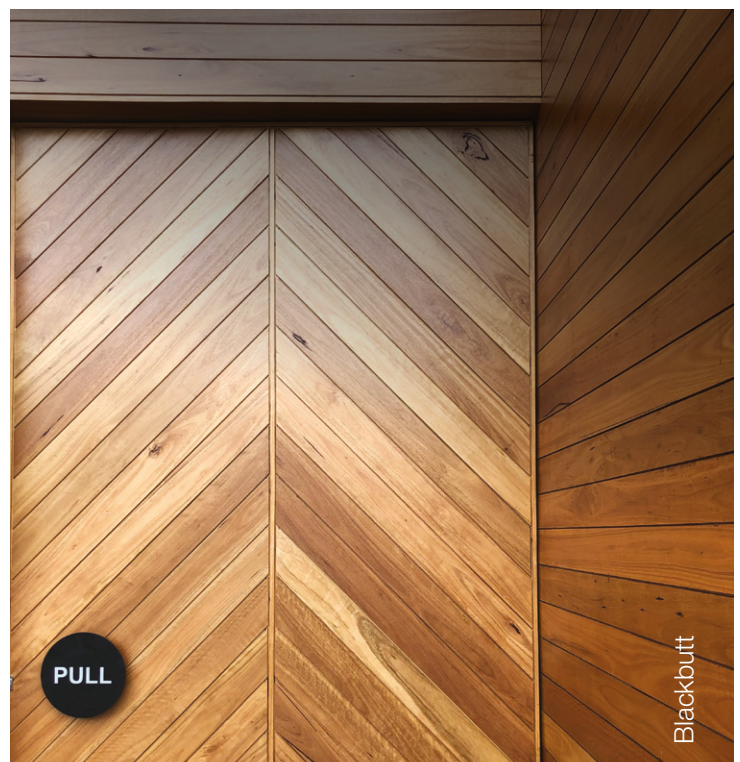
- External Profile Design Internal: Shiplap, Shadow, Rusticated Internal Profile Design: V-joint Lining
- Design flexibility for interior/exterior use
- Flexible and resilient to the stresses of foundation and limited seismic movements
- Can be used on a wide variety of foundation conditions because of its flexibility
- Provides a long-lasting and durable external surface
- Designed for fixing to both timber and steel framework

Installation Requirements

Pentarch Forestry recommends that an experienced professional handles the installation of Pentarch's Premier cladding and lining. Ask a local timber retailer for a recommended contractor.

Available Sizes

Cladding	Lining
127 x 19mm – Rusticated	80 x 12mm
125 x 19mm – Shadow	128 x 14mm – Shiplap
128 x 19mm – Shiplap	





blackbutt

SOLID SEASONED F27



SEASONING REFERS TO THE PROCESS OF REMOVING MOISTURE FROM TIMBER OR DRYING TIMBER.

Solid seasoned hardwood timber tends to have a superior dimensional stability to unseasoned hardwood timber and is much less prone to warping and splitting. Seasoning hardwood timber enhances the basic properties of the timber increasing the stiffness, bending strength and compression strength.

Features and Benefits

- Building a sustainable future, Pentarch Forestry has full Chain of Custody certification which meets the Responsible Wood Standard AS 4707.
- Seasoned structural hardwood is extremely strong and durable and will remain stable and won't warp, swell or flake.
- Seasoned structural hardwood offers superior nail holding capabilities and a consistent thickness and form.
- Ideal for all structural applications including subfloor construction, stair components, highly loaded truss members, wall lintels over openings and high strength structural beams.
- Sold as mixed hardwood. Also available in Blackbutt, Spotted Gum and Tallowwood by request.

Installation Requirements

Pentarch Forestry kiln dried structural hardwood products are manufactured in pine compatible sizes to ensure they can be easily integrated with structural pine products.

Available Sizes

70-290 x 35mm and 70-290 x 45mm
Lengths up to 6000mm



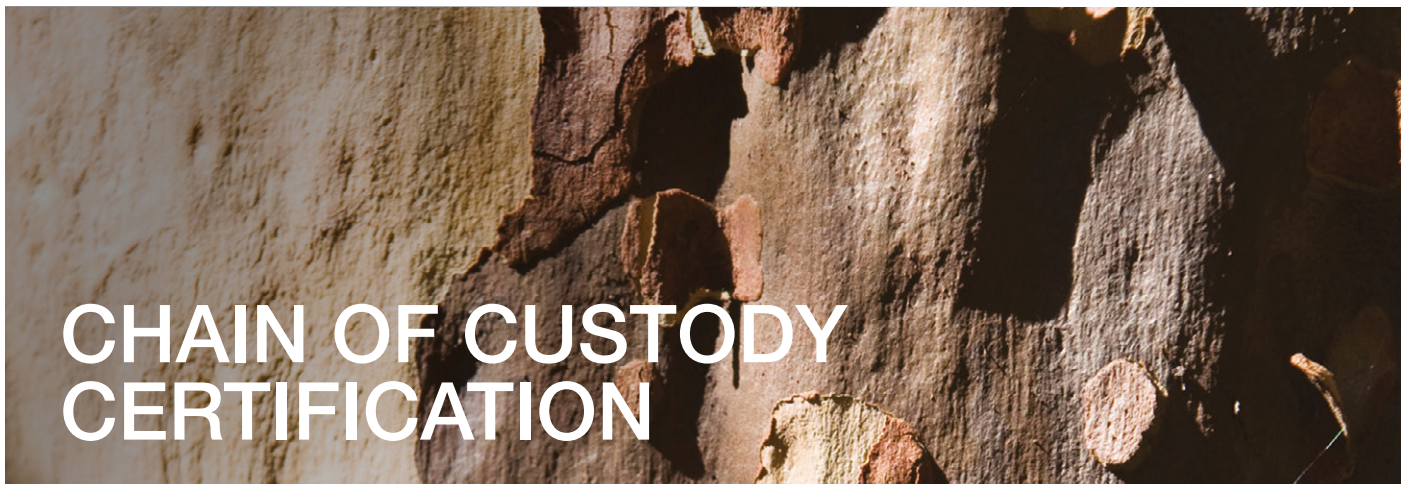
SUSTAINABILITY

NATURAL, RENEWABLE, SUSTAINABLE.

Timber combines performance, wellbeing and environmental advantages and unlike other building materials, it can (with the right processes) be harvested, re-grown and re-harvested in an average person's lifetime.

Source: 'Carbon and Environment' www.naturallybetter.com.au

The production of timber products also uses less energy than certain other building materials (that are typically sourced from fossil fuels). For further information on timber and its sustainability visit www.pentarch.com.au/timberproducts.html



CHAIN OF CUSTODY CERTIFICATION

PENTARCH FORESTRY SOLID HARDWOOD PRODUCTS HAVE FULL CHAIN OF CUSTODY CERTIFICATION WHICH MEETS THE RESPONSIBLE WOOD STANDARD AS 4707.

Pentarch Forestry has implemented Responsible Wood 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 Responsible Wood Chain of Custody certification verifies that Pentarch Forestry 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.

Responsible Wood has been developed to promote sustainable forestry management specifically for the Australian environment. The Responsible Wood scheme has mutual recognition by the Programme for the Endorsement of Forest Certification Scheme (PEFC) the world's largest forest management certifier.

The Responsible Wood Scheme is the only Australian forest certification scheme with an Australian Standard (AS 4708). With Responsible Wood certified products, the timber used for Pentarch Forestry's solid hardwood flooring and decking is sourced from legal and sustainably managed resources.



spotted
gum V joint
lining



600 Series
spotted gum

CARE AND MAINTENANCE

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.

CARE AND MAINTENANCE

Decking

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.

When left uncoated or if not re-coated when coating wears off, weathering can occur.

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. Please refer to Pentarch Forestry Decking Installation Guide for further information.

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.

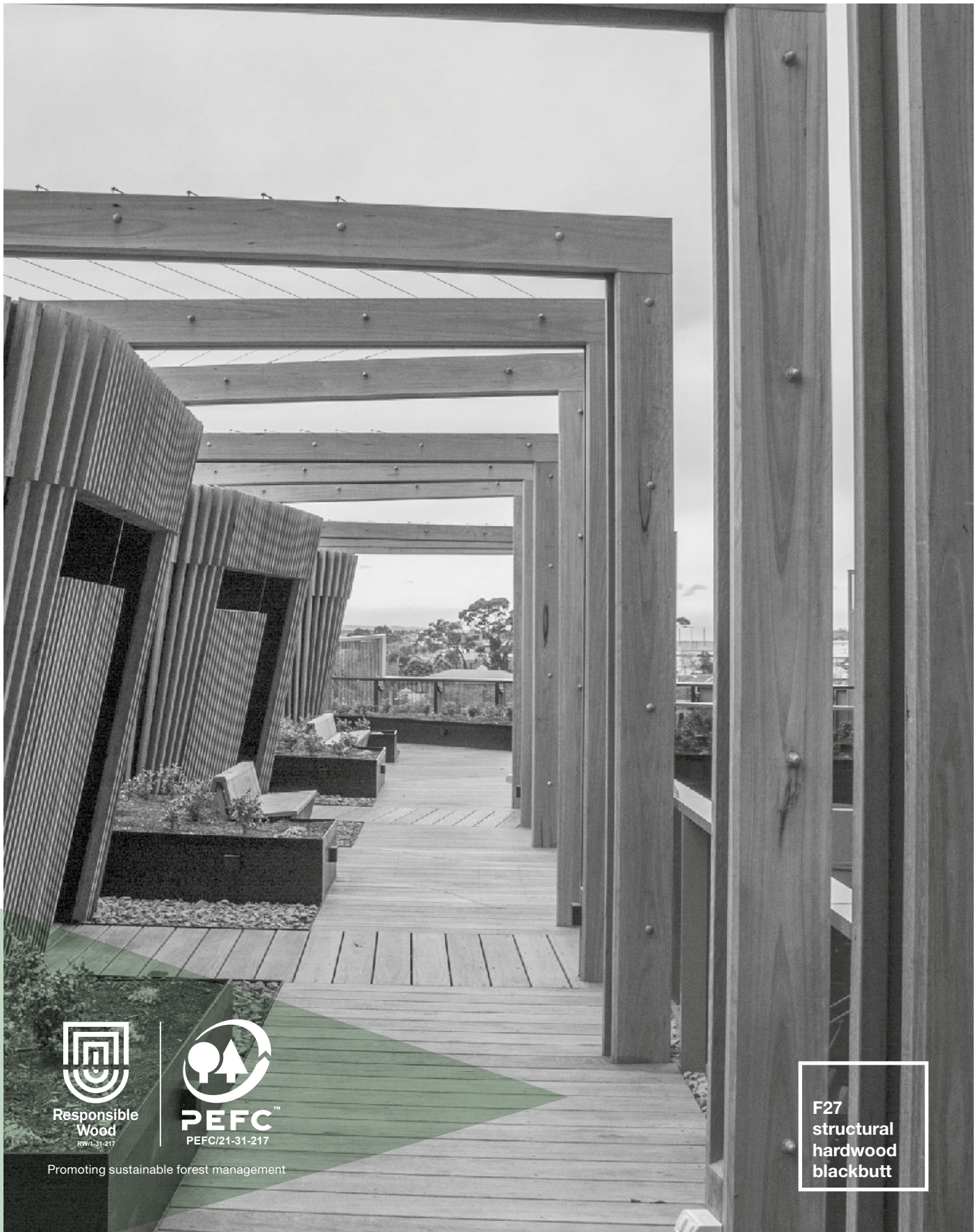
- Use dirt trapping mats at all exterior doors to minimise dirt and grit. Sweep regularly.
- Fit protective pads to the base of chairs and tables so floors don't get scuffed. If you have furniture with castors use barrel castors rather than ball castors.
- Move rugs from time-to-time to protect the floor from direct sunlight.
- Avoid high heeled shoes and other sharp or heavy objects that can dent the floor's surface.

INSTALLATION

Pentarch Forestry recommends that a qualified professional contractor handles the installation of your timber product. Ask a local timber flooring retailer for a recommended contractor.

Floor Cleaning Tips

- Regularly vacuum with a soft bristle head or an electrostatic attachment or sweep with an electrostatic mop.
- For stubborn dirt, mop the floor using a well wrung 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 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 damage to the coating on the floor.



Responsible
Wood
RW4-31-217

Promoting sustainable forest management



PEFC™
PEFC/21-31-217

F27
structural
hardwood
blackbutt

Note: Variations within a timber species are normal, therefore photographs, samples and displays can only be indicative of colour and should not be used for final selection. It is normal for natural timber products to react to changes in atmospheric and environmental conditions such as humidity and temperature.

www.pentarch.com.au/timberproducts.html

National free call **1800 818 317**

©2021 PENTARCH FORESTRY PTY LTD (ABN 22 159 663 420). Pentarch Forestry, the Pentarch Forestry logo, Engineered Herringbone Parquetry, Premier Solid Flooring and Metallon XL are trade marks or registered trade marks of PENTARCH FORESTRY PTY LTD or one of its subsidiaries. UNICLIC is a registered trade mark of Unilin Beheer B.V.



PENTARCH
FORESTRY