

# PREMIUM ARCHITECTURAL TIMBER RANGE

[www.australianwood.com.au](http://www.australianwood.com.au)



AUSTRALIAN  
WOOD  
INDUSTRIES.

Australian Wood Industries (AWI) is a proud, family-owned specialty timber company based in Australia. Driven by a deep passion for quality and innovation, AWI is dedicated to transforming our customers' visions into reality with unparalleled timber solutions.



## **FAMILY-OWNED HERITAGE**

We are proudly 100% Australian-owned and family-operated, carrying forward a legacy that spans over 60 years.



## **PASSION FOR EXCELLENCE**

We are driven by a relentless pursuit of excellence. Our dedication to delivering specialty solutions is anchored in a commitment to quality, innovation, and customer satisfaction.



## **TRANSFORMING VISIONS**

We excel in turning our customers' visions into reality with premium, industry-leading timber solutions. Drawing on our expertise, we source the finest products locally and globally to help bring your projects to life.



## **INNOVATION AT OUR CORE**

We stay at the forefront of the industry by continually embracing cutting-edge technologies and advanced methodologies. This commitment to innovation allows us to enhance our timber offerings and ensure that our products meet the evolving needs of our customers.



## **SUSTAINABLE PRACTICES**

We are dedicated to providing sustainably sourced timbers, ensuring our range of products not only meets our vigorous quality standards, but are also environmentally responsible.

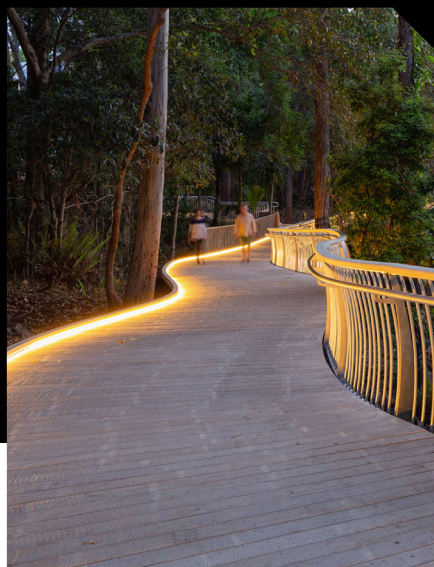


*"At AWI, we don't  
just provide timber,  
we craft possibilities."*

Fijian Mahogany



Astute is Australian Wood Industries premium architectural timber range. Crafted with excellence, the Astute range combines superior design with unmatched quality and aesthetics. Empowering architects, builders, and installers alike, Astute establishes a new standard of design, elevating your residential or commercial projects.



**/ ACCOYA /**



**/ THERMO-AYOUS /**  
(thermally treated hardwood)



**/ YAKISUGI /**  
(Sugi ban)



**/ NEW GUINEA  
ROSEWOOD /**



*"Elevating your creative expression with  
premium timber solutions that take  
your design to unparalleled heights."*



**/ WESTERN  
RED CEDAR /**



**/ FIJIAN  
MAHOGANY /**



**/ BURMESE TEAK /**



Accoya isn't just a material choice. It's the mark of quality and a commitment to creating something extraordinary.

The patented modification process enables wood to withstand harsh exterior elements and accentuates its natural beauty, strength and character.

Acetylation is proven science for modifying wood, permanently transforming the cell structure to create wood that is virtually unaffected by water.

Ideal for outdoor applications, Accoya stands out as a leading material that meets the demands of any project.



## / BENEFITS /

### DURABILITY

Accoya solves the problem of deterioration in any climate, giving you the confidence that you made the right choice. It is naturally resistant to termites, fungi and rot making it ideal for outdoor applications. Accoya even comes with a 50 year warranty above ground and a 25 year warranty in ground or freshwater.

### STABILITY

Accoya remains structurally sound with virtually no movement before, during and decades after the job is complete.

### AESTHETICS

Accoya has a clean, smooth finish that enhances its aesthetic appeal. It takes stain and paint exceptionally well, providing a consistent and attractive look in a wide range of finishes. The natural beauty of the wood can be highlighted in both contemporary and traditional designs. Also available in coloured to the core grey.

### MAINTENANCE

Accoya requires minimal maintenance due to its high durability and stability. It does not need regular treatments like other softwoods, and its low maintenance profile means reduced time and cost for upkeep.

### ENVIRONMENTAL

Certified FSC® ensures that all the wood comes from responsibly managed forests. Accoya is Cradle to Cradle certified® at the Gold Level and has achieved Platinum level for Material Health.

Choosing Accoya helps reduce carbon emissions thanks to its low carbon footprint. Additionally it is non toxic, making it safe and is an environmentally friendly option for people, pets and the planet.



## / TECHNICAL INFORMATION /

ORIGIN	New Zealand
DURABILITY CLASS	Class 1
DENSITY	515 kg
HARDNESS	4.1 kN
RADIAL SHRINKAGE	0.4% (green to 12% M.C <sup>*</sup> )
TANGENTIAL SHRINKAGE	0.8% (green to 12% M.C <sup>*</sup> )
FIRE-RETARDANT PROPERTIES	Approximately BAL 19 <sup>#</sup>
CHAIN OF CUSTODY	FSC <sup>®</sup> and Cradle to Cradle Gold certified <sup>®</sup>

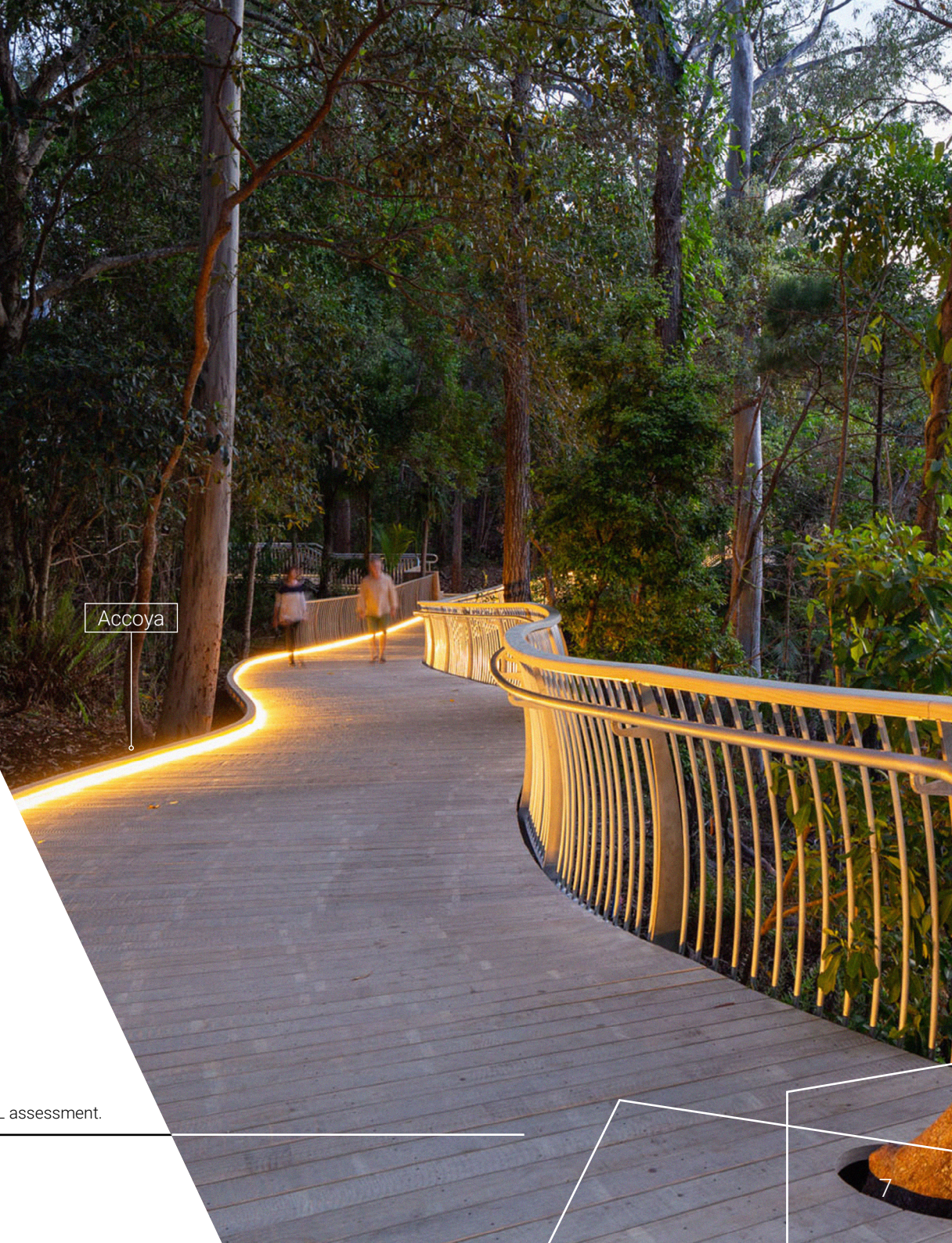
## / USES /

Accoya is suitable for the following applications:

- cladding
- windows
- decking
- doors

<sup>\*</sup>M.C = Moisture Content.

<sup>#</sup>BAL is subject to proper treatment and construction methods to comply with building regulations.  
Always consult a professional to confirm suitability for your specific situation based on the local BAL assessment.





Thermo-Ayous, a specialised type of thermally modified timber, is increasingly gaining recognition for its exceptional qualities and sustainable benefits.

Originating from the Ayous tree, commonly known as African whitewood or obéché, this wood undergoes a precise heat treatment process that enhances its durability, stability, and resistance to decay and insect attack, making it an ideal material for various applications.

## / BENEFITS /

### DURABILITY

Thermo-Ayous undergoes a thermal modification process that enhances its durability. It can withstand harsh weather conditions, heavy foot traffic and is highly resistant to rot, decay and insect damage.

### STABILITY

The thermal modification process reduces the wood's moisture content, resulting in improved dimensional stability and reduced warping or twisting. This stability makes it an excellent choice for environments with varying humidity levels.

### AESTHETICS

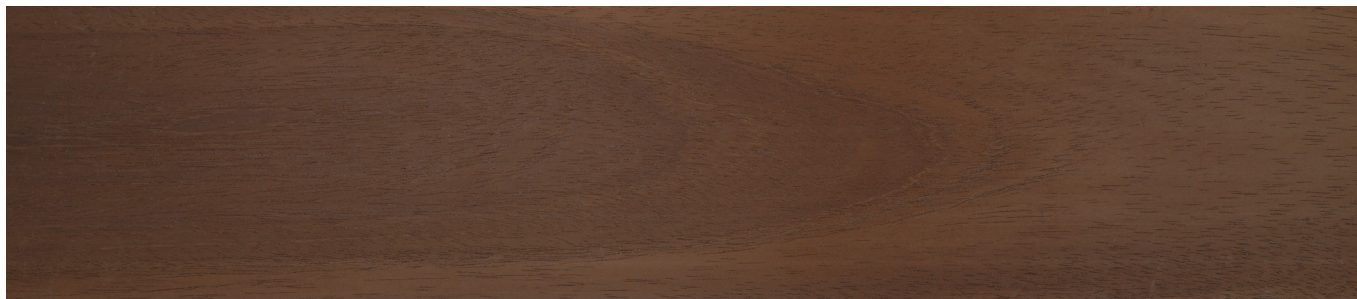
Thermo-Ayous boasts a rich, dark hue with a smooth, refined texture, offering a sophisticated and contemporary aesthetic. Its striking appeal, combined with its superior performance characteristics make it a preferred choice for architects, designers and builders.

### MAINTENANCE

With its natural resistance to decay and insects, Thermo-Ayous requires minimal maintenance over its lifespan. This reduces the need for frequent treatments or coatings and saves time and resources.

### ENVIRONMENTAL

Thermo-Ayous is a high-quality environmentally sustainable choice. The heat treatment process used to produce Thermo-Ayous is 100% natural, with no added chemicals. PEFC certified, Thermo-Ayous is sourced from responsibly managed forests and is recyclable and biodegradable.





## / TECHNICAL INFORMATION /

ORIGIN	Central West Africa
THERMO TEMPERATURE	220°C
DURABILITY CLASS	Class 2 above ground
MOISTURE CONTENT	4-7%
RAW DENSITY	430 kg
FIRE-RETARDANT PROPERTIES	Not applicable
CHAIN OF CUSTODY	PEFC certified

## / USES /

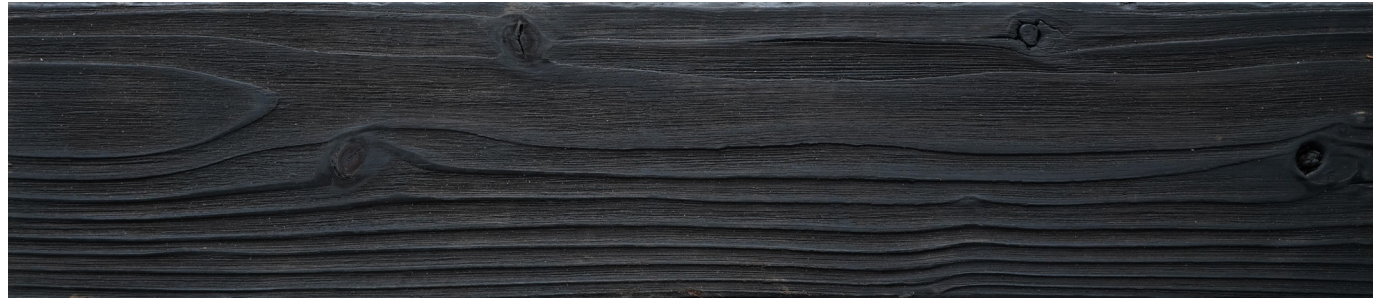
Thermo-Ayous is suitable for the following applications:

- external cladding
- lining
- interior design
- joinery

Thermo-Ayous

Yakisugi, also known as Sugi (Cryptomeria Japonica), is a traditional Japanese wood preservation technique. It involves charring the surface of cedar (sugi) wood to create a protective layer against weather, fire, insects, and decay.

This technique originated in Japan when there was no means of chemical wood protection and has gained popularity in contemporary architecture and design due to its unique aesthetic and sustainable qualities.



## / BENEFITS /

### DURABILITY

Yakisugi enhances the wood's durability by creating a layer of char that protects it from weathering, fire, insects and decay. This preservation technique extends the lifespan of the wood significantly.

### STABILITY

Yakisugi wood has good dimensional stability, making it less prone to warping, shrinking, or swelling when exposed to changes in humidity or temperature compared to untreated wood. The charring process helps to seal the wood fibres, reducing moisture absorption and minimising dimensional changes.

### AESTHETICS

The charred surface of Yakisugi wood creates a unique and striking appearance. It adds depth, texture, and character making it a popular choice for architects and designers. Due to the natural aging process, Yakisugi's visual appeal continues to improve over time.

### MAINTENANCE

The most practical feature of Yakisugi is that it requires minimal maintenance. Although best practice is to oil/stain prior and post installation, we estimate charred timber to only require oil every 5 to 7 years.

### ENVIRONMENTAL

Yakisugi has world-class planting and management systems in place with GOHO certification. The charring process is chemical-free and relies on a traditional technique, making it an environmentally friendly option for wood preservation.



## / TECHNICAL INFORMATION /

ORIGIN	Japan
DURABILITY CLASS	Class 2 above ground
DENSITY	320-384 kg @ 12% M.C <sup>*</sup>
RADIAL SHRINKAGE	1.3% (green to 12% M.C <sup>*</sup> )
TANGENTIAL SHRINKAGE	3.5% (green to 12% M.C <sup>*</sup> )
KILN DRIED	Kiln-dried to 12-16% M.C <sup>*</sup>
FIRE-RETARDANT PROPERTIES	Not applicable
CHAIN OF CUSTODY	GOHO certified

## / USES /

Yakisugi is suitable for the following applications:

- external and internal cladding
- outdoor fencing

<sup>\*</sup>M.C = Moisture Content.

Yakisugi

# NEW GUINEA ROSEWOOD.

New Guinea Rosewood, scientifically known as *Pterocarpus indicus* and often referred to as Amboyna, stands as a testament to nature's artistry and resilience.

Originating from South East Asia and the Pacific Islands, this exquisite hardwood boasts a rich reddish-brown hue and intricate grain patterns making it highly prized for making furniture.

Listed as a vulnerable species, only small quantities are imported into Australia.



## / BENEFITS /

### DURABILITY

Highly durable, New Guinea Rosewood is known for its strength and resistance to decay and rot. It can withstand moisture and humidity variations well, making it suitable for both indoor and outdoor applications. Its natural oils contribute to its durability, providing protection against pests and fungal growth.

### STABILITY

New Guinea Rosewood exhibits excellent stability, showing minimal shrinkage, warping, or movement even in changing environmental conditions. Its low coefficient of expansion and contraction makes it ideal for use in areas with fluctuating humidity and temperature levels.

### AESTHETICS

Prized for its unique aesthetics, New Guinea Rosewood is characterised by its rich reddish-brown colours and grain patterns. The wood often features burls, swirls, fiddleback and more, creating a visually attractive appearance.

### MAINTENANCE

New Guinea Rosewood requires minimal maintenance to preserve its quality and appearance. This hardwood takes well to staining, oiling and most other finishes.

### ENVIRONMENTAL

New Guinea Rosewood presents a sustainability narrative deeply intertwined with responsible forestry practices and conscientious sourcing. By supporting certified sustainable sources of New Guinea Rosewood, we contribute to the long-term viability of this valuable species.



## / TECHNICAL INFORMATION /

ORIGIN	Solomon Islands
DURABILITY CLASS	Class 2 above ground
DENSITY	650 kg (seasoned)
HARDNESS	4.7 kN (seasoned)
RADIAL SHRINKAGE	1% (green to 12% M.C*)
TANGENTIAL SHRINKAGE	2% (green to 12% M.C*)
FIRE-RETARDANT PROPERTIES	Approximately BAL 19#

## / USES /

New Guinea Rosewood is suitable for the following applications:

- flooring
- cladding
- lining
- decking
- furniture and cabinetry
- fine joinery
- windows and doors
- decorative turnery
- musical instruments

\*M.C = Moisture Content.

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Always consult a professional to confirm suitability for your specific situation based on the local BAL assessment.

New Guinea Rosewood



One of the world's most unique softwood species, Western Red Cedar, also known as *Thuja plicata*, is renowned for its exceptional qualities and natural beauty.

Grown in the British Columbia and some of the nearby western states of the USA, this esteemed timber species boasts a rich tapestry of colours and uniform texture, making it a sought-after material among architects, designers and artisans worldwide.



## / BENEFITS /

### DURABILITY

Western Red Cedar offers unrivalled durability, even without the use of coating. Its natural preservatives, such as thujaplicins and thujic acid, act as a built-in resistance to harsh weather conditions, termites, moisture and decay. It is also the ideal choice for any project because of its fire-hazard prevention properties.

### STABILITY

With excellent dimensional stability, Western Red Cedar exhibits minimal shrinkage, warping or twisting over time. Its low density and straight grain contribute to its stability, making it less prone to movement and cracking compared to other wood species. With the right engineering, Western Red Cedar timber can also meet various acoustic ratings.

### AESTHETICS

Celebrated for its natural beauty, Western Red Cedar showcases a diverse spectrum of hues ranging from gentle amber to deep, reddish-brown tones. Its fine, straight grain and consistent, velvety texture imbue it with a timeless allure that has rendered it as a favoured option for prestigious architectural design.

### MAINTENANCE

Western Red Cedar requires minimal maintenance to preserve its appearance and durability. Regular cleaning and sealing can help protect it against weathering and maintain its natural colour.

### ENVIRONMENTAL

Western Red Cedar is a highly sustainable and renewable wood type, with responsible forestry practices ensuring its continued availability. When it comes to environmental performance, Western Red Cedar is the optimal choice for sustainability.





## / TECHNICAL INFORMATION /

ORIGIN	Canada
DURABILITY CLASS	Class 2 above ground
DENSITY	350 kg (seasoned)
RADIAL SHRINKAGE	1.1% (green to 12% M.C*)
TANGENTIAL SHRINKAGE	2.3% (green to 12% M.C*)
FIRE-RETARDANT PROPERTIES	Not applicable
CHAIN OF CUSTODY	PEFC certified

## / USES /

Western Red Cedar is suitable for the following applications:

- external cladding
- interior features
- decking and outdoor structures
- fencing
- furniture and cabinetry
- outdoor crafts and woodworking
- boat building
- landscaping

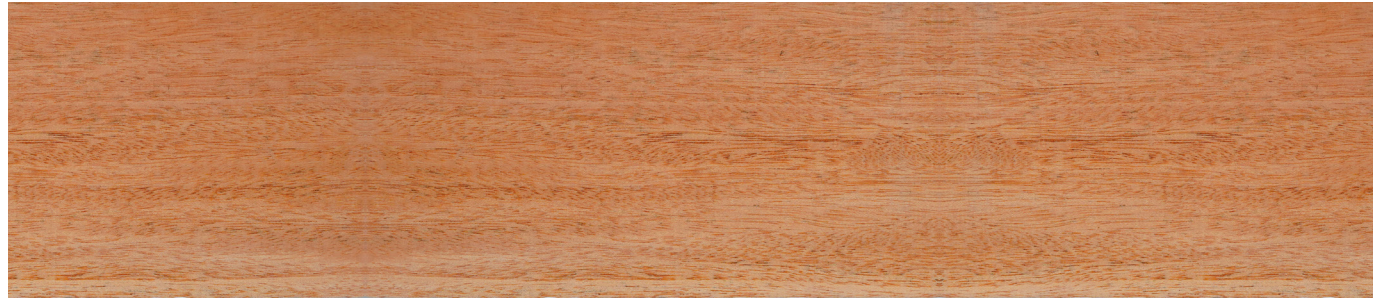
\*M.C = Moisture Content.





Fijian Mahogany is a distinguished hardwood recognised for its enduring beauty and exceptional qualities. Originating from the lush forests of Fiji, this species captivates with its rich, reddish-brown hues and straight, uniform grain.

Beyond its aesthetic, Fijian Mahogany's inherent durability and stability ensure lasting performance, while its sustainability credentials underscore its commitment to responsible forestry practices.



## / BENEFITS /

### DURABILITY

Fijian Mahogany is valued for its durability, making it a reliable choice for a wide range of applications. Its natural resistance to decay, rot, and insect infestation ensures longevity, even in outdoor environments with high humidity and moisture levels.

### STABILITY

Fijian Mahogany presents excellent stability, with minimal shrinkage, warping, or movement over time. Its uniform grain and density contribute to its stability, making it less prone to expansion and contraction in response to fluctuations in temperature and humidity.

### AESTHETICS

Renowned for its rich, reddish-brown colour and straight grain, Fijian Mahogany exudes natural beauty and warmth. Its smooth texture and lustrous finish enhance its aesthetic appeal, adding a touch of modern sophistication to residential and commercial projects alike.

### MAINTENANCE

Fijian Mahogany requires minimal maintenance to preserve its appearance and durability. Periodic application of a protective finish helps maintain its natural colour and shields it from environmental factors.

### ENVIRONMENTAL

Fijian Mahogany is sourced from responsibly managed forests, minimising environmental impact and promoting biodiversity. It is 100% plantation grown and a sustainable choice for your project.



## / TECHNICAL INFORMATION /

ORIGIN	Fiji
DURABILITY CLASS	Class 2 above ground
RAW DENSITY	650 kg
KILN DRIED	Kiln-dried to 12-14% M.C <sup>*</sup>
FIRE-RETARDANT PROPERTIES	Approximately BAL 12.5 <sup>#</sup>

## / USES /

Fijian Mahogany is suitable for the following applications:

- architectural features
- interior design accents
- decking and outdoor structures
- cabinetry
- interior joinery
- fine furniture
- boat building
- musical instruments
- craftsmanship and artisanal work

<sup>\*</sup>M.C = Moisture Content.

<sup>#</sup>BAL is subject to proper treatment and construction methods to comply with building regulations.  
Always consult a professional to confirm suitability for your specific situation based on the local BAL assessment.

Fijian Mahogany



Burmese teak (*Tectona grandis*) is regarded as one of the finest hardwoods in the world. Originating from Myanmar (formerly Burma), it is known for its exceptional durability, stability and aesthetic appeal.

It boasts natural oils that make it highly resistant to moisture, decay and insect damage, making it the gold standard for both interior and exterior applications.

Its rich, golden-brown colour and fine grain give it a timeless beauty that enhances various design styles.



## / BENEFITS /

### DURABILITY

Burmese teak is known for its exceptional durability due to its dense grain and high natural oil content. It is highly resistant to decay, rot and insect attacks, including termites. This makes it an ideal material for both indoor and outdoor applications, particularly in climates with high moisture or exposure to the elements.

### STABILITY

Burmese teak has excellent dimensional stability, which makes it less prone to warping, cracking, or swelling with changes in temperature. The natural oils within the wood contribute to this stability by reducing moisture absorption, keeping the timber in good condition over time.

### AESTHETICS

Burmese teak boasts a rich, golden-brown to dark brown colour with a fine, straight grain that deepens over time, enhancing its character and timeless beauty. Its smooth texture, natural sheen, and warm tone complement various materials, making it versatile for both modern and traditional designs.

### MAINTENANCE

Burmese teak's high oil content naturally repels water, which helps reduce the need for regular maintenance. However, periodic cleaning and the application of a protective finish or oil can help maintain its appearance, especially when used in outdoor settings.

### ENVIRONMENTAL

We ensure that all our Burmese teak complies with the latest Department of Agriculture and Fisheries legislation and adheres to the new *Illegal Logging Prohibition Rules 2024*.



## / TECHNICAL INFORMATION /

ORIGIN	Myanmar
DURABILITY CLASS	Class 1 above ground
DENSITY	640 to 750 kg (seasoned)
RADIAL SHRINKAGE	2.6% (green to 12% M.C*)
TANGENTIAL SHRINKAGE	5.3% (green to 12% M.C*)
FIRE-RETARDANT PROPERTIES	Approximately BAL 19#

## / USES /

Burmese teak is suitable for the following applications:

- cladding
- stairs
- handrails
- pool decking
- marine decking
- oceanfront architectural components
- outdoor architectural furniture

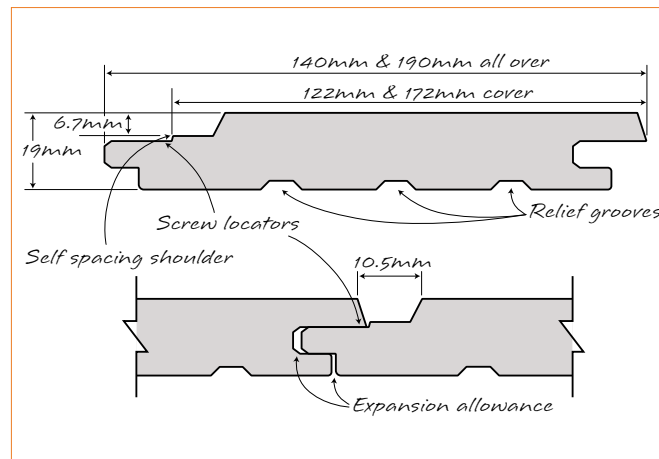
\*M.C = Moisture Content.

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Burmese Teak

The Astute range is available in the following profiles.

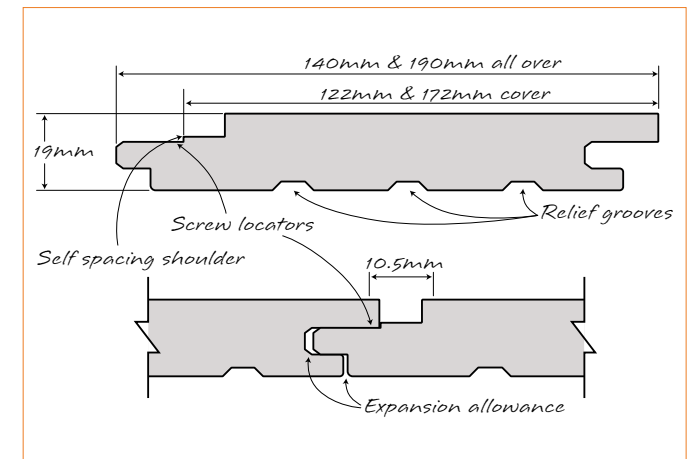
## / TAPERED /



### AVAILABLE SPECIES:

- Accoya
- Thermo-Ayous
- New Guinea Rosewood
- Western Red Cedar
- Fijian Mahogany
- Burmese Teak

## / SQUARE /

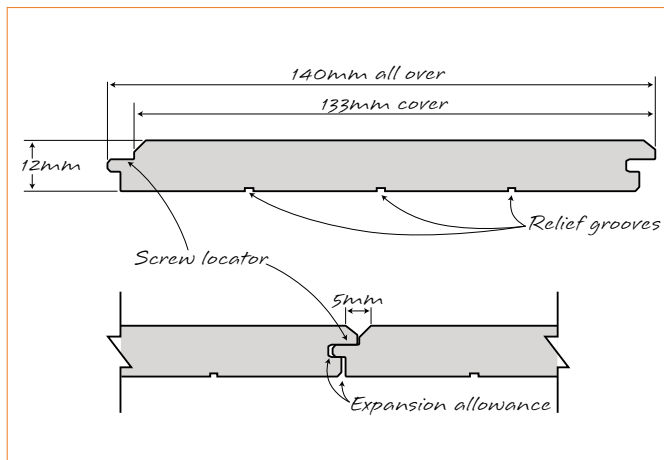


### AVAILABLE SPECIES:

- Accoya
- Thermo-Ayous
- New Guinea Rosewood
- Western Red Cedar
- Fijian Mahogany
- Burmese Teak



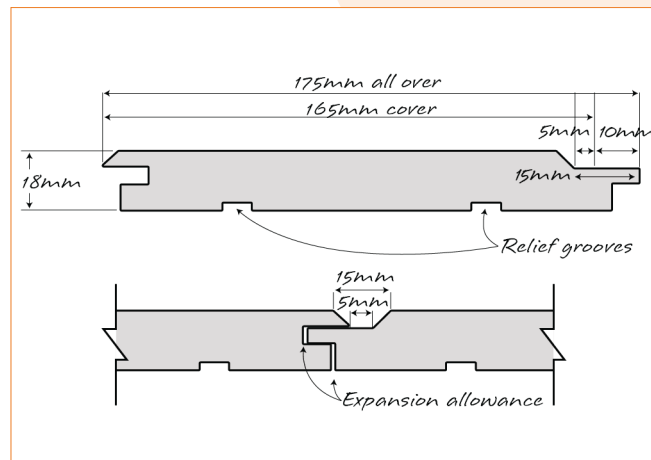
## / VEE JOINT /



### AVAILABLE SPECIES:

- Thermo-Ayous
- New Guinea Rosewood
- Western Red Cedar
- Fijian Mahogany
- Burmese Teak

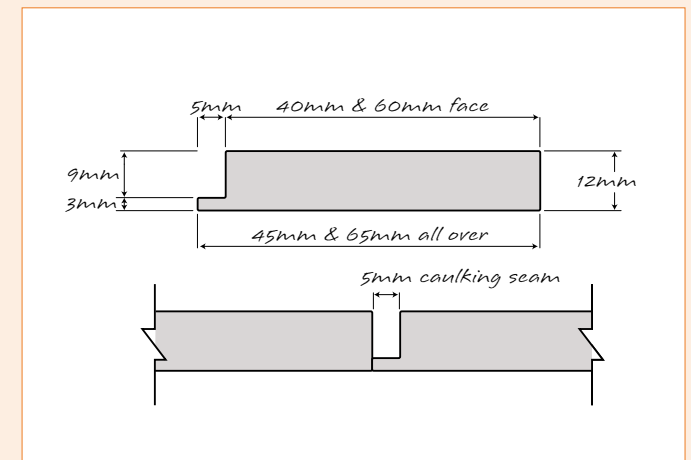
## / TAPERED EDGE SHIPLAP /



### AVAILABLE SPECIES:

- Accoya
- Yakisugi
- Burmese Teak

## / BOAT DECKING /



### AVAILABLE SPECIES:

- Burmese Teak

Custom profiles for New Guinea Rosewood, Western Red Cedar and Fijian Mahogany are available upon request in the included sawn sizes.

Astute is also available in a concealed fixed decking system profile in selected species.

## / NEW GUINEA ROSEWOOD /

25MM	38MM	50MM
200mm x 25mm	200mm x 38mm	250mm x 50mm
175mm x 25mm	175mm x 38mm	200mm x 50mm
150mm x 25mm	150mm x 38mm	175mm x 50mm
125mm x 25mm	125mm x 38mm	150mm x 50mm
100mm x 25mm	100mm x 38mm	125mm x 50mm
75mm x 25mm	75mm x 38mm	100mm x 50mm
50mm x 25mm	50mm x 38mm	75mm x 50mm
	38mm x 38mm	50mm x 50mm
		38mm x 50mm



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## / WESTERN RED CEDAR /

25MM	50MM
200mm x 25mm	200mm x 50mm
175mm x 25mm	175mm x 50mm
150mm x 25mm	150mm x 50mm
125mm x 25mm	125mm x 50mm
100mm x 25mm	100mm x 50mm
75mm x 25mm	75mm x 50mm
50mm x 25mm	50mm x 50mm
	38mm x 50mm

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## / FIJIAN MAHOGANY /

25MM	50MM
200mm x 25mm	300mm x 50mm
150mm x 25mm	250mm x 50mm
100mm x 25mm	200mm x 50mm
	150mm x 50mm

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## / CONCEALED FIXED DECKING /

Concealed fixed decking system is available in the following species.  
Please contact us for more information.

- Accoya
- New Guinea Rosewood
- Fijian Mahogany
- Burmese Teak

Intergrain are committed to delivering premium timber finishes that stand the test of time.

Trusted by industry professionals, their high-performance coatings enhance the natural beauty of timber while ensuring long-lasting durability.



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## / OVERVIEW /

Intergrain Universal® Timber Oil is an oil-based coating designed to protect and nourish all timber species from within.

The deeply penetrating, clear finish of this exterior timber and decking oil will never flake, blister or peel and helps prevent warping, cupping and splitting

Designed to withstand Australia's harsh climate, their oil offers superior protection, with a focus on quality, sustainability, and innovation.

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## / FEATURES AND BENEFITS /

- Penetrating clear oil-based finish.
  - Protects from within to help prevent warping, cupping and splitting.
  - Can be tinted to a range of colours with Intergrain Colour additive.
  - Will allow timber to gradually fade over time to a natural grey or can be tinted using Intergrain Colour Additive for a longer lasting finish.
  - Any water based or oil based Intergrain finish can be applied on top of Intergrain Universal® Timber Oil.
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## / PERFORMANCE GUIDE /

WEATHER	Exterior durable
WATER	Very good water resistance
ABRASION	Suitable for on walk surfaces

## / USES /

- Decking
- Cladding
- Screening
- Furniture
- Doors and windows
- Plywood
- Beams
- Fascia boards
- Shutters
- Joinery
- Fences
- Posts and engineered products

TO LEARN MORE VISIT: [www.intergrain.com.au](http://www.intergrain.com.au)

CUTEK® timber oils offer powerful protection while enhancing the natural beauty of timber. Their oils diffuse deeply into timber to repel moisture, maintain structural integrity and ensure the longest possible service life.



## / OVERVIEW /

CUTEK® penetrating oils have a 30-year proven track record of standing up to the harshest of Australian and other international environments.

Traditional varnish and natural oil 'penetrating' type coatings work by forming a protective film on the surface of the wood to protect against moisture damage. Over time, UV rays and timber movement break down this film causing it to degrade, flake or peel. This allows water to get into the timber which leads to cupping, warping, splitting and rot. Rectification is costly and time consuming as the old coating will need to be stripped away before reapplying.

CUTEK® is different. CUTEK® timber oils penetrate deep into the wood core and drive moisture out of the wood from the inside. This offers superior long-term protection and minimises cupping, warping, and splitting. This penetrating oil technology ensures the longest possible service life for your timber. It has been proven to work and has been independently tested by industry experts in many countries over the last 30 years.

## / FEATURES AND BENEFITS /

- **Stabilises your wood** - Significantly reducing splitting, warping, and cupping with a unique self-healing effect.
- **Simple and easy to use** - No technical experience necessary.
- **Maintenance is fast and simple** - No need to sand or strip, just simply clean and recoat.
- **No flaking or peeling** - Instead, the coating is designed to fade with time.
- **Cost effective** - Up to 2x the coverage rate of most wood coatings.
- **Your timber is the star!** - Enhances the natural colour and grain of your timber.
- **Sustainable choice** - Significantly extends the service life of timber.
- **Long-term, accumulative protection** - Stays active inside your timber to protect from the inside out.
- **CUTEK® cares** - CUTEK® are a proud partner of one tree planted and are committed to supporting their work in planting trees around the world.



## / PERFORMANCE GUIDE /

WEATHER	Exterior durable
WATER	Very good water resistance
ABRASION	Suitable for on walk surfaces

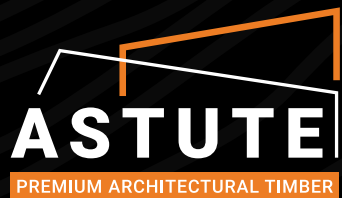
## / USES\* /

- Decking
- Cladding
- Posts
- Weatherboards
- Shingles
- Doors
- Log buildings
- Beams and structural timbers
- Outdoor furniture
- Fascia boards
- Shutters
- Garage doors
- Joinery
- Spa pools
- Fences
- Engineered timber products

TO LEARN MORE VISIT: [www.cutek.com.au](http://www.cutek.com.au)

\*Products are not suitable for internal flooring, permanent immersion, and on food preparation surfaces.

Photography: Dianna Snape



## CONTACT US

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