



Floor Melody
YOUR ONE STOP FLOOR EXPERT

Timber Harbor

Timeless Treasures- Wooden Floor



EASY TO LOVE

High-end flooring is not only eco-friendly and safe but also in line with the current public's pursuit of healthy living. In addition, Timber Harbor perfectly combines traditional hardwood floor quality and modern design style.

PASSION IN REAL WOOD

AND MANUFACTURING



Timber Harbor
Timeless Treasures

Manufacturing and innovation are sources of inspiration. We strive to improve the adaptability of wooden flooring in terms of production technology and space coordination, and reflect various application scenarios with different series and performance. Floor Melody will continue to develop new forms, continue to innovate, and continue to manufacture the best wood floors for all our clients



Natural Wood



Water Base
Coating



Wire Brush



Water Resistance



Sustainability



Dimensionally
Stable



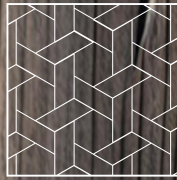
Stain
resistant



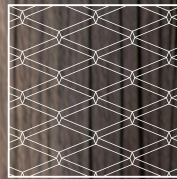
Herringbone



Triangle



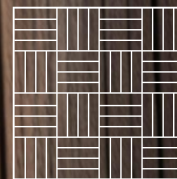
Hexagon weave



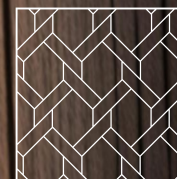
warldorf



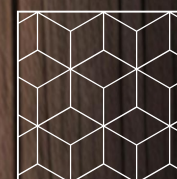
chevron



Finger box



mansion weave



Hexagon



Timber Harbor
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Teak

TEAK WOOD

Solid Wood Flooring-Timeless Treasures

Welcome to the epitome of elegance and timeless beauty in home design - our exquisite Teak Wood Flooring collection. Renowned for its unparalleled durability and rich aesthetics, teak wood has been a symbol of luxury for centuries. Our flooring products stand out not only for their superior quality but also for the diverse array of sizes and patterns we offer.

At Floor Melody, we take pride in presenting a curated selection of teak wood flooring that caters to diverse tastes and design preferences. From the classic charm of traditional plank sizes to the contemporary allure of wider and longer formats, our collection ensures a perfect fit for every space.

Available Size

11(T)x50(W)x250(L)mm

11(T)x50(W)x300(L)mm

11(T)x73(W)x300-1200(L)mm

11(T)x95(W)x300-1200(L)mm

17(T)x95(W)x300-1200(L)mm

17(T)x120(W)x300-1200(L)mm

18(T)x140(W)x300-1200(L)mm



Timber Harbor
Timeless Treasures



TEAK WOOD

Herringbone Pattern

What sets our teak wood flooring apart is the ability to transcend conventional design boundaries. Our skilled craftsmen can artfully arrange the planks into timeless patterns such as herringbone and chevron, adding a touch of sophistication and character to your living spaces. Whether you envision a classic, time-honored appeal or a modern, avant-garde statement, our teak wood flooring is the canvas upon which your design dreams come to life.

Experience the luxury of nature's finest material underfoot, coupled with the freedom to choose the size and pattern that complements your unique style. Elevate your space with the warmth and richness of teak wood flooring from Floor Melody – where tradition meets innovation, and beauty knows no bounds.

Available Size

11(T)x73(W)x300/350/400(L)mm

11(T)x73(W)x600(L)mm

11(T)x95(W)x300/350/400(L)mm

11(T)x95(W)x600(L)mm

17(T)x95(W)x300/350/400(L)mm

17(T)x120(W)x600(L)mm



Timber Harbor
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TEAK WOOD

Chevron Patten

Teak wood flooring in a chevron pattern offers a host of benefits that contribute to both aesthetic appeal and practical functionality. Here are some key advantages:

In conclusion, teak wood chevron flooring not only adds a touch of luxury and sophistication to your space but also brings practical benefits, making it a sound investment for those seeking a harmonious blend of beauty and functionality in their flooring choices.

Available Size

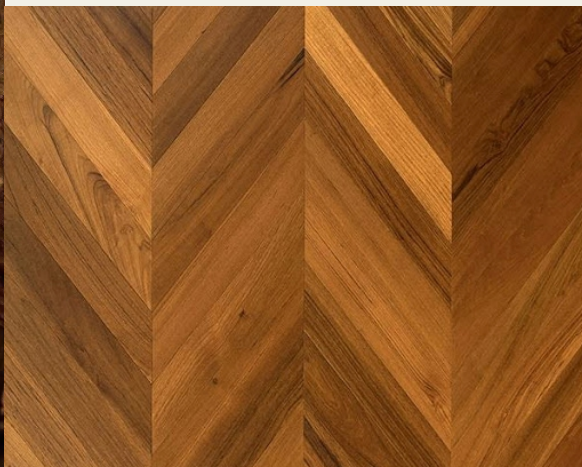
11(T)x73(W)x300-350(L)mm

11(T)x95(W)x300-350(L)mm

17(T)x95(W)x300-350(L)mm



Timber Harbor
Timeless Treasures



TEAK WOOD

Skirting/Nosing/

Teak wood flooring in a chevron pattern offers a host of benefits that contribute to both aesthetic appeal and practical functionality. Here are some key advantages:

In conclusion, teak wood chevron flooring not only adds a touch of luxury and sophistication to your space but also brings practical benefits, making it a sound investment for those seeking a harmonious blend of beauty and functionality in their flooring choices.

Skirting Available Size

10(T)x73(W)x1500-2400(L)mm

10(T)x95(W)x1500-2400(L)mm



Nosing

20(T)x70(W)x1050 up (L)mm



Timber Harbor
Timeless Treasures



Family: LAMIACEAE (angiosperm)
Scientific name(s): *Tectona grandis*
Distribution: Native to southern Asia

WOOD DESCRIPTION

Color: yellow brown
Sapwood: clearly demarcated
Texture: coarse
Grain: straight
Interlocked Grain: absent
Note: The wood darkens and presents golden glints with age. Sometimes black brown veins. Oily to the touch.

LOG DESCRIPTION

Tree Size: 100–130 ft(30-40m) tall, 3-5ft (1-1.5m) trunk diameter
Thickness of Sapwood: 0.79– 2.4 inches
Floats: no
Log Durability: good

PHYSICAL PROPERTIES

Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.

	Mean	Std. Dev.
Specific Gravity*:	Basic, 12%MC): 55,.66	
Janka Hardness (lbs):	1,070lbf (4740N)	
Volumetric Shrinkage:	0.34%	0.03%
Total Tangential Shrinkage (TS):	4.7%	0.5%
Total Radial Shrinkage (RS):	2.6%, Tangential:5.3%, Volumetric:7.2%	
T/R Ratio:	2.0	1.8

Stability: stable

Note: The properties of timbers grown in plantation or in natural forests are often similar, except for durability.

MECHANICAL/ACOUSTIC

	Mean
Crushing Strength*:	7,940 lbf/in2 (54.8MPa)
Static Bending Strength*:	14,213 lbf
Modulus of Elasticity*:	1,781,000 lbf/in2(12.28GPa)

NATURAL DURABILITY AND TREATABILITY

Teak wood is moderately resistant to fungi and classified as sensible to durable against termites.

Fungi and termite resistance refers to end-uses under temperate climate. Except for special comments on sapwood, natural durability is based on mature heartwood. Sapwood must always be considered as non-durable against wood degrading agents.

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: does not require any preservative treatment
In case of risk of temporary humidification: does not require any preservative treatment
In case of risk of permanent humidification: does not require any preservative treatment

END-USES

Cabinetwork (high class furniture)
Sliced veneer
Ship building (planking and deck)
Veneer for back or face of plywood
Interior/exterior joinery
Light carpentry
Turned goods
Stairs
Open boats

Interior/exterior paneling
Flooring
Cooperage
Bridges
Poles
Arched goods
Stakes
Rolling shutters

ASSEMBLING

Nailing / screwing: good but pre-boring necessary
Gluing: correct

Note: Pre-boring recommended due to a slight tendency to split when nailing. Satisfactory gluing on surfaces freshly machined or sanded (the wood contains oleoresins.)

Grain/Texture:

Grain is straight, though it can occasionally be wavy or interlocked. Coarse, uneven texture and moderate to low natural luster. Raw, unfinished wood surface have a slightly oily or greasy feel due to natural oils.

Rot Resistance:

Teak has been considered by many to be the gold standard for decay resistance, and its heartwood is rated as very durable. Teak is also resistant to termites, though it is only moderately resistant to marine borers and powder post beetles.

Workability:

Easy to work in nearly all regards, with the only caveat being that Teak contains a high level of silica (up to 1.4%) which has a pronounced blunting effect on cutting edges. Despite its natural oils, Teak usually glues and finishes well, though in some instances it may be necessary to wipe the surface of the wood with a solvent prior to gluing/ finishing to reduce the natural oils on the surface of the wood.

Premium Oak





Floored by nature Created for life

Based on the actual needs of customers, Floor Melody constantly refreshes customers' perception of high-quality products. Save you unnecessary worries, let you face life easily. Oak wood flooring offers a range of benefits, making it a popular choice for homeowners and designers.



EASY TO LONGEVITY

Oak is a hardwood known for its durability and longevity. Oak flooring can withstand heavy foot traffic and is resistant to wear and tear, making it a suitable choice for both residential and commercial spaces.



EASY TO LOVE

Oak wood comes in a variety of species, each with its own unique grain patterns and color variations. This versatility allows for a wide range of design possibilities, ensuring that oak flooring can complement different interior styles and preferences.



INCREASED PROPERTY VALUE

Hardwood flooring, especially oak, is often considered an investment that can enhance the value of a property. Potential buyers appreciate the durability, aesthetics, and timeless appeal of oak floors, making them a desirable feature in homes.



EASY TO CLEAN

Oak flooring is relatively easy to maintain. Regular sweeping and occasional mopping are usually sufficient to keep it clean. Additionally, oak floors can be refinished if they show signs of wear, extending their lifespan.



VARIETY OF FINISHES

Oak wood flooring can be finished in various ways to achieve different looks. Whether you prefer a glossy finish, a matte appearance, or a distressed look, oak can be customized to match your desired style.



Timber Harbor
Timeless Treasures

OAK WOOD

Oak Parquet & Strip

Our Oak Wood Flooring with Staggered Joints introduces a distinctive design element that goes beyond the conventional. Instead of aligning the ends of adjacent planks in a straight line, the staggered joint technique involves offsetting the joints, creating a more randomized and natural appearance. This not only adds visual interest but also contributes to the overall stability and strength of the flooring.

Available Size

11(T)x70(W)x300-1500(L)mm

11(T)x95(W)x300-1500(L)mm

18(T)x95(W)x300-1200(L)mm

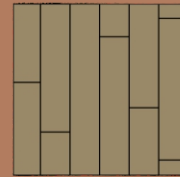
18(T)x125(W)x300-1200(L)mm

18(T)x150(W)x300-1200(L)mm

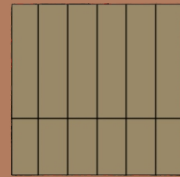


Timber Harbor
Timeless Treasures

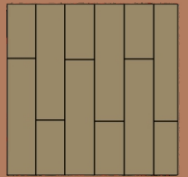
WHAT STAGGERED JOINTS SHOULD&SHOULDN'T LOOK LIKE



✓
EVEN DISTRIBUTION
WHICH PROVIDES
A NATURAL LOOKING
FLOOR



✗
THE PLANKS ARE TOO
EVENLY LAID
INCORRECT FITTING



✗
THE PLANKS ARE TOO
EVENLY LAID
INCORRECT FITTING



OAK WOOD

Herringbone Pattern

Our Oak Wood Herringbone Flooring introduces a touch of tradition and refinement to your space. The herringbone pattern, with its distinctive V-shaped arrangement, creates a sense of movement and visual interest. Each piece of oak is precisely cut and expertly laid to form this iconic pattern, resulting in a floor that is not just a foundation but a work of art. The timeless appeal of herringbone adds character and warmth to both modern and classic interiors, making a statement that stands the test of time.

Available Size

11(T)x95(W)x450(L)mm

18(T)x95(W)x450(L)mm



Timber Harbor
Timeless Treasures



OAK WOOD

Chevron Pattern

For those seeking a more contemporary flair, our Oak Wood Chevron Flooring offers a bold and dynamic design. The chevron pattern, characterized by its continuous V-shaped zigzag, adds a touch of sophistication and modernity to any space. This geometric arrangement of oak planks creates a visually striking effect, making your floor a focal point that complements contemporary and eclectic design styles. The Chevron pattern is a symbol of bold elegance, bringing a sense of movement and energy to your interior.

Available Size

11(T)x95(W)x350/450/600(L)mm

18(T)x95(W)x350/450/600(L)mm



Timber Harbor
Timeless Treasures



Color Options

Customize Color

Oak wood is known for its natural beauty and distinct grain patterns, and applying a stain can enhance or alter its color while allowing those unique features to shine through. Here are some popular oak wood stain colors that you might consider:



Natural Oak: This stain aims to maintain the wood's natural color, enhancing its warmth and grain patterns. It's a great choice if you want to keep the oak's appearance close to its original state.



Golden Oak: This stain imparts a warm, golden hue to the oak wood. It adds a touch of richness to the natural color while still allowing the grain patterns to be visible.



Medium Oak: Offering a balance between light and dark, medium oak stains provide a classic and versatile look. This option works well in various design styles and complements a range of interior color schemes.



Dark Oak: For a more dramatic and rustic appearance, dark oak stains deepen the color of the wood, adding a sense of richness and sophistication. This stain can also help hide imperfections in the wood.



Espresso: A very dark stain like espresso can transform oak into a deep, almost black color. It's a bold choice that creates a modern and dramatic look, especially when contrasted with lighter furnishings.

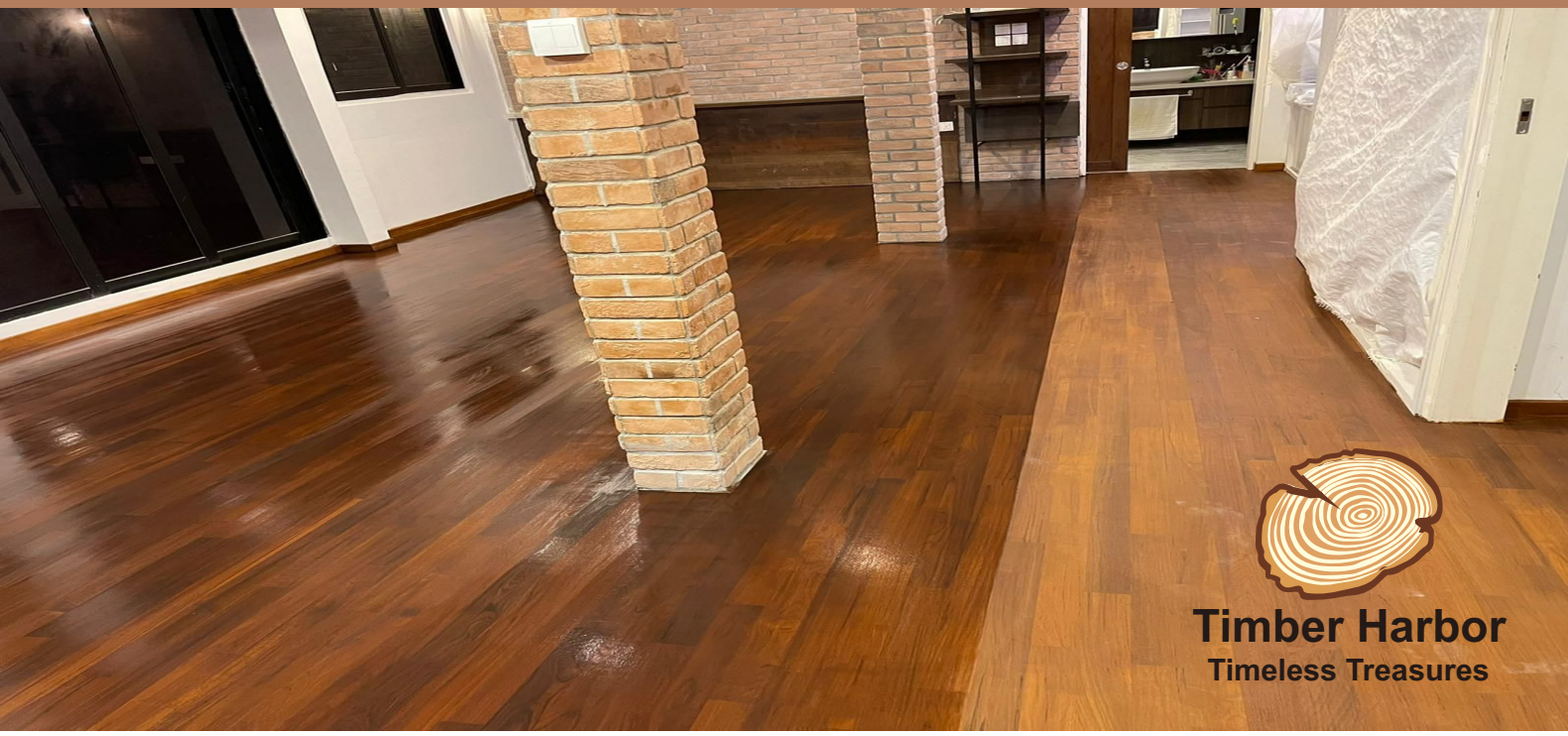


Gray Oak: Gray stains have gained popularity for their contemporary and neutral aesthetic. Gray oak can add a touch of modern elegance to your space while still allowing the wood's texture to show through.



Weathered Oak: This stain gives oak a weathered and aged appearance, offering a rustic charm that is perfect for achieving a farmhouse or cottage style.


It's important to note that the final appearance of the stain can be influenced by factors such as the type of oak, the grain pattern, and the condition of the wood. Always test a small, inconspicuous area before applying the stain to the entire surface to ensure the desired result. Additionally, considering the overall color scheme and style of your space will help you choose a stain that complements your design vision.



Biohouse Colors

Description:

- *Transparent* is the result of one coat of oil (e.g. Hard Wax Oil) tinted with Tinting Color by wiping on oak
- *Semi-Opaque* is the result of two coats of Opaque Oil 2500 tinted with 5% Tinting Color by brush on oak
- *Opaque* is the result of two coats of Opaque Oil 2500 tinted with 10% Tinting Color by brush on oak
- The following colors are the results on oak and only shown for guidance. Different wood species, application method and sanding will have effects on the final results.

Tinting colors	Transparent	Semi-Opaque	Opacu
 519 grey	 000.0519.5301	 000.2519.0000	 000.2519.2519
 522 cherry	 000.0522.5301	 000.2522.0000	 000.2522.2522
 528 mahogany	 000.0528.5301	 000.2528.0000	 000.2528.2528
 533 birch	 000.0533.5301	 000.2533.0000	 000.2533.2533
 551 oak	 000.0551.5301	 000.2551.0000	 000.2551.2551
 553 walnut	 000.0553.5301	 000.2553.0000	 000.2553.2553
 556 american walnut	 000.0556.5301	 000.2556.0000	 000.2556.2556
 558 oak antique	 000.0558.5301	 000.2558.0000	 000.2558.2558
 590 ebony	 000.0590.5301	 000.2590.0000	 000.2590.2590
 610 pine	 000.0610.5301	 000.2610.0000	 000.2610.2610
 616 bangkirai	 000.0616.5301	 000.2616.0000	 000.2616.2616
 642 fir green	 000.0642.5301	 000.2642.0000	 000.2642.2642
 662 teak	 000.0662.5301	 000.2662.0000	 000.2662.2662
 686 rosewood	 000.0686.5301	 000.2686.0000	 000.2686.2686
 801 english red	 000.0801.5301	 000.2801.0000	 000.2801.2801
 802 persian red	 000.0802.5301	 000.2802.0000	 000.2802.2802
 805 black	 000.0805.5301	 000.2805.0000	 000.2805.2805
 806 white	 000.0806.5301	 000.2806.0000	 000.2806.2806
 807 transparent red	 000.0807.5301	 000.2807.0000	 000.2807.2807
 909 siam rosewood	 000.0909.5301	 000.2909.0000	 000.2909.2909
 912 mud	 000.0912.5301	 000.2912.0000	 000.2912.2912
 915 slate	 000.0915.5301	 000.2915.0000	 000.2915.2915
 916 ash	 000.0916.5301	 000.2916.0000	 000.2916.2916
 918 warm grey	 000.0918.5301	 000.2918.0000	 000.2918.2918
 920 yellow	 000.0920.5301	 000.2920.0000	 000.2920.2920
 929 red	 000.0929.5301	 000.2929.0000	 000.2929.2929
 936 green	 000.0936.5301	 000.2936.0000	 000.2936.2936
 948 sky blue	 000.0948.5301	 000.2948.0000	 000.2948.2948
 952 marine blue	 000.0952.5301	 000.2952.0000	 000.2952.2952
 980 dark green	 000.0980.5301	 000.2980.0000	 000.2980.2980

OAK WOOD

Skirting/Nosing/Staircase

For those seeking a more contemporary flair, our Oak Wood Chevron Flooring offers a bold and dynamic design. The chevron pattern, characterized by its continuous V-shaped zigzag, adds a touch of sophistication and modernity to any space. This geometric arrangement of oak planks creates a visually striking effect, making your floor a focal point that complements contemporary and eclectic design styles. The Chevron pattern is a symbol of bold elegance, bringing a sense of movement and energy to your interior.

Available Size



10(T)x73(W)x1200-2400(L)mm

10(T)x95(W)x1200-2400(L)mm



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Nosing



Handrail



STAIR Board with Riser Board



STAIR: 22(T)x250x270-300(W)mm
RISER: 10(T)x175(W)mm

STAIR Board with Box Up



Handrail

Timber handrails offer several benefits, making them a popular choice for staircases, balconies, decks, and other elevated structures.



Teak Handrail

65mm x 45mm 3' to 5.5' 6' to 9.5'	1	65 x 45	Ø60	6	diameter 60mm 3' to 5.5' 6' to 9.5'
45mm x 45mm 3' to 5.5' 6' to 9.5'	2	45 x 45	70 x 40	7	70mm x 40mm 3' to 5.5' 6' to 9.5'
45mm x 30mm 3' to 5.5' 6' to 9.5' 10'	3	45 x 30	65 x 42	8	65mm x 42mm 3' to 5.5' 6' to 9.5'
45mm x 23mm 3' to 5.5' 6' to 9.5'	4	45 x 23	65 x 42	9	65mm x 42mm 3' to 5.5' 6' to 9.5'
Ø45mm 3' to 5.5' 6' to 9.5'	5	Ø45	60 x 43	10	60mm x 43mm 3' to 5.5' 6' to 9.5'



OAK



Timber Harbor
Timeless Treasures

Family: Fagaceae
Scientific name(s): *quercus petraea*, *Quercus robur*
Distribution: Native to southern Asia

WOOD DESCRIPTION

Color: Light brown
Sapwood: Pale white
Texture: Medium to fine
Grain: straight
Interlocked Grain: absent
Note: Oak grows in Europe and Asia Minor. The tree is about 45 meters high. The trunk is straight.

LOG DESCRIPTION

Tree Size: 50 to 70 feet tall
diameters exceeding 3 feet,
Thickness of Sapwood: 0.79– 2.4 inches
Floats: no
Log Durability: good

PHYSICAL PROPERTIES

Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.

	Mean
Specific Gravity*:	Basic, 0.66 to 0.76.
Janka Hardness (lbs):	1360-1380 lbf.
Volumetric Shrinkage:	9%
Total Tangential Shrinkage (TS):	6% to 8%
Total Radial Shrinkage (RS):	3% to 4%
T/R Ratio:	2.0 2.5

Stability: stable

Note: The properties of timbers grown in plantation or in natural forests are often similar, except for durability.

NATURAL DURABILITY AND TREATABILITY

oak wood, especially white oak, is naturally durable and responds well to preservation treatments. Its hardness, resistance to decay, and treatability make it an excellent choice for flooring, provided it is installed and maintained appropriately.

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: does not require any preservative treatment

In case of risk of temporary humidification: does not require any preservative treatment

In case of risk of permanent humidification: does not require any preservative treatment

ASSEMBLING

Nailing / screwing: good but pre-boring necessary

Gluing: correct

Note: Pre-boring recommended due to a slight tendency to split when nailing. Satisfactory gluing on surfaces freshly machined or sanded (the wood contains oleoresins.)

INSTALLATION METHODS

Fixed installation Highly recommended, either fully bonded or secretly nailed

MAINTENANCE

Initial care & re-oiling Do not clean the floor with water in the first 4 weeks after installation

- Under no circumstances should any chemicals/white spirit/detergent cleaners be used as these will remove the protective oiled finish
- Re-coating every 2-5 years depending on the volume of traffic. High usage areas may require annual re-finishing
- Use water base Satin or coating
- Use Professional cleaning agent for regular cleaning and Wax Cleaner Spray for stubborn stains

General cleaning



WALNUT WOOD

Walnut wood, derived from the *Juglans* genus of trees, is highly prized for its rich color, distinctive grain patterns, and exceptional durability. Here is an introduction to walnut wood, highlighting its key characteristics and uses:



WALNUT WOOD

Walnut Strip

walnut wood is prized for its luxurious appearance, exceptional workability, and versatility in various applications. Its timeless beauty and durability make it a sought-after material for high-quality woodworking projects and interior design..

Available Size

10(T)x70(W)x400-1200(L)mm

10(T)x95(W)x400-1200(L)mm

18(T)x95(W)x300-1200(L)mm

18(T)x125(W)x300-1200(L)mm

18(T)x150(W)x300-1200(L)mm



WALNUT WOOD

Walnut Herringbone Pattern

Herringbone is a classic and timeless pattern that involves arranging rectangular pieces of wood in a V-shaped pattern, resembling the bones of a herring fish. When crafted from walnut wood, herringbone flooring takes on a luxurious and elegant appearance. The deep, dark tones of walnut enhance the pattern, creating a floor that is not only visually stunning but also rich in character. Walnut Herringbone Flooring is well-suited for both traditional and contemporary interiors, adding a sense of opulence to the space.

Available Size

11(T)x95(W)x450(L)mm

18(T)x95(W)x450(L)mm



WALNUT WOOD

Walnut Chevron Pattern

Chevron is another stylish pattern that involves arranging wood planks into a continuous V-shaped zigzag. Chevron flooring has a more dynamic and modern appeal compared to herringbone. When crafted from walnut wood, Chevron Flooring combines the warmth of the natural walnut color with the bold and contemporary design of the chevron pattern. The result is a floor that makes a bold statement, adding a sense of movement and sophistication to any room.

Available Size

11(T)x95(W)x350/450/600(L)mm

18(T)x95(W)x350/450/600(L)mm



WALNUT WOOD

Skirting/Nosing/Staircase

walnut skirting is a premium choice for those looking to enhance the aesthetics of their interior spaces. Its combination of natural beauty, versatility, and durability makes it a valuable addition to any room, providing both a functional and visually appealing finishing touch.

Available Size

10(T)x70(W)x1200-2400(L)mm

10(T)x95(W)x1200-2400(L)mm



Walnut



Family: JUGLANDACEAE (angiosperm)
Scientific name(s): Juglans regia
Distribution: Native to southern Asia

WOOD DESCRIPTION

Color: brown
Sapwood: not clearly demarcated
Texture: medium
Grain: straight
Interlocked Grain: absent
Note: Brown heartwood more or less yellow brown or pinkish brown, sometimes greyish, often with darker veins. Straight to wavy grain.

LOG DESCRIPTION

Tree Size: Diameter: from 30 to 80 cm
Thickness of Sapwood: Thickness of sapwood: from 2 to 5 cm
Floats: Floats: pointless
Log Durability: Log durability: low (must be treated)

PHYSICAL PROPERTIES

Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.

	<u>Mean</u>	<u>Std dev.</u>
Specific gravity *:	0,66	
Monnirhardness *:	3,2	
Coeff. of volumetric shrinkage:	0,37 %	
Total tangential shrinkage (TS):	7,5 %	
Total radial shrinkage (RS):	5,5 %	
TS/RS ratio:	1,4	
Fiber saturation point:		

Stability: stable

MECHANICAL AND ACOUSTIC PROPERTIES

	<u>Mean</u>	<u>Std dev.</u>
Crushing strength *:	64 MPa	
Static bending strength *:	117 MPa	
Modulus of elasticity *:	11800 MPa	

(*: at 12% moisture content, with 1 MPa = 1 N/mm²)

Musical quality factor: 90,9 measured at 2003 Hz

NATURAL DURABILITY AND TREATABILITY

Fungi and termite resistance refers to end-uses under temperate climate. Except for special comments on sapwood, natural durability is based on mature heartwood. Sapwood must always be considered as non-durable against wood degrading agents.

E.N. = Euro Norm

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: does not require any preservative treatment

In case of risk of temporary humidification: requires appropriate preservative treatment

In case of risk of permanent humidification: use not recommended

ASSEMBLING

Nailing / screwing: good

Gluing: correct

Note: Pre-boring recommended due to a slight tendency to split when nailing. Satisfactory gluing on surfaces freshly machined or sanded (the wood contains oleoresins.)

INSTALLATION METHODS

Fixed installation Highly recommended, either fully bonded or secretly nailed

MAINTENANCE

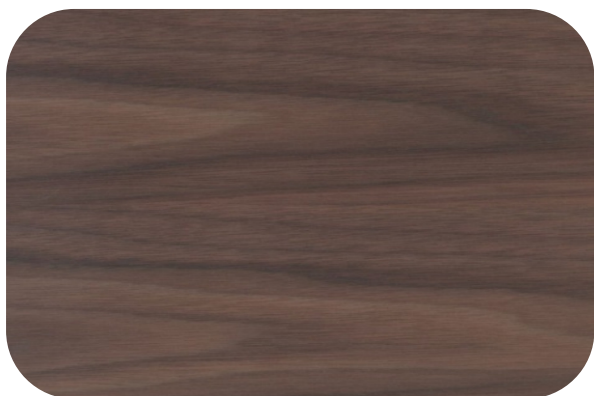
Initial care & re-oiling • Do not clean the floor with water in the first 4 weeks after installation

• Under no circumstances should any chemicals/white spirit/detergent cleaners be used as these will remove the protective oiled finish

• Re-coating every 2-5 years depending on the volume of traffic. High usage areas may require annual re-finishing

• Use water base Satin or coating

General cleaning • Use Professional cleaning agent for regular cleaning and Wax Cleaner Spray for stubborn stains



CHENGAL WOOD

Walnut Chevron Pattern

Chengal wood is a type of timber that comes from the species of trees in the genus *Neobalanocarpus*, native to Southeast Asia, particularly Malaysia and Indonesia. It is highly prized for its durability, strength, and resistance to decay making it a popular choice for various construction purposes, particularly in outdoor applications such as decking, bridges, and marine structures.

Regular Size

20(T)x90(W)x 6 to 10 feet(L)

20(T)x95(W)x 6 to 10 feet(L)





Family: DIPTEROCARPACEAE (angiosperm)
Scientific name(s): Neobalanocarpus heimii
Distribution: Balanocarpus heimii (synonymous)

WOOD DESCRIPTION

Color: brown
Sapwood: clearly demarcated
Texture: medium
Grain: interlocked
Interlocked Grain: slight more or less yellow
Note: Heartwood varies from brown olive to red brown.
Presence of slight resinous area.

LOG DESCRIPTION

Tree Size: from 70 to 150 cm
Thickness of Sapwood: from 2 to 5 cm
Floats: Log Durability: no
good

PHYSICAL PROPERTIES

Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.

	<u>Mean</u>	<u>Std dev.</u>
Specificgravity*:	0,91	
Monnirhardness*:		
Coeff.of volumetric shrinkage:	%	
Totaltangential shrinkage(TS):	7,4 %	
Totalradial shrinkage(RS):	3,0 %	
TS/RS ratio:	2,5	
Fibersaturation point:		
Stability: stable		

MECHANICAL AND ACOUSTIC PROPERTIES

	<u>Mean</u>	<u>Std dev.</u>
Crushing strength*:	75 MPa	
Static bending strength*:	134 MPa	
Modulus of elasticity*:	24300 MPa	

(*: at 12% moisture content, with 1 MPa = 1 N/mm²)

NATURAL DURABILITY AND TREATABILITY

Fungi and termite resistance refers to end-uses under temperate climate. Except for special comments on sapwood, natural durability is based on mature heartwood. Sapwood must always be considered as non-durable against wood degrading agents.

E.N. = Euro Norm

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: does not require any preservative treatment
In case of risk of temporary humidification: does not require any preservative treatment
In case of risk of permanent humidification: does not require any preservative treatment

ASSEMBLING

Nailing / screwing: good
Gluing: correct
Note: Pre-boring recommended due to a slight tendency to split when nailing. Satisfactory gluing on surfaces freshly machined or sanded (the wood contains oleoresins.)

INSTALLATION METHODS

Fixed installation Highly recommended, either fully bonded or secretly nailed

MAINTENANCE

Initial care & re-oiling

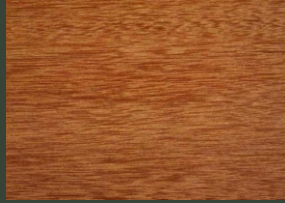
- Under no circumstances should any chemicals/white spirit/detergent cleaners be used as these will remove the protective oiled finish
- Re-coating every 1-2 years depending on the volume of traffic and weather. High usage or tropical areas may require annual re-finishing
- Use water base Satin or coating
- Use Professional cleaning agent for regular cleaning and Wax Cleaner Spray for stubborn stains

General cleaning



Other Timber

Kapur Wood



Properties:

Kapur is moderately hard and heavy. Works moderately well with both hand and machine tools, but is variable in respect of dulling of cutting edges, but on the whole Kapur is slightly better than the average run of Keruing. Cutters should be kept well sharpened to avoid trouble from raised grain and to obtain a smooth finish. Takes nails, screws, stains and polish satisfactorily.

Applications:

Kapur is suitable for general construction: posts, beams, joists, rafters, fender supports, telegraphic and power transmission posts and cross arms. It is used in door and window frames and sills, flooring and internal joinery.

Balau Wood



Properties:

Hard, heavy and very dense with high bending and crushing strengths. The wood is moderately difficult to work with machines as the interlocked grains and toughness has a blunting effect on tools. It is more difficult to perform nailing or screwing on Balau and gluing results are variable. Very durable.

Applications:

Balau is used for heavy construction, structural use, frames of boats, decking, flooring, and utility furniture. For outdoor applications, it is usually treated with CCA or wood preservative to prevent decay and insect attacks.

Chengal Wood



Properties:

Hard and heavy with high bending and crushing strengths. Chengal works relatively well with machine and hand tools. Takes nails, screws, stains and polish satisfactorily. It is also highly resistant to rot, fungi and mildew.

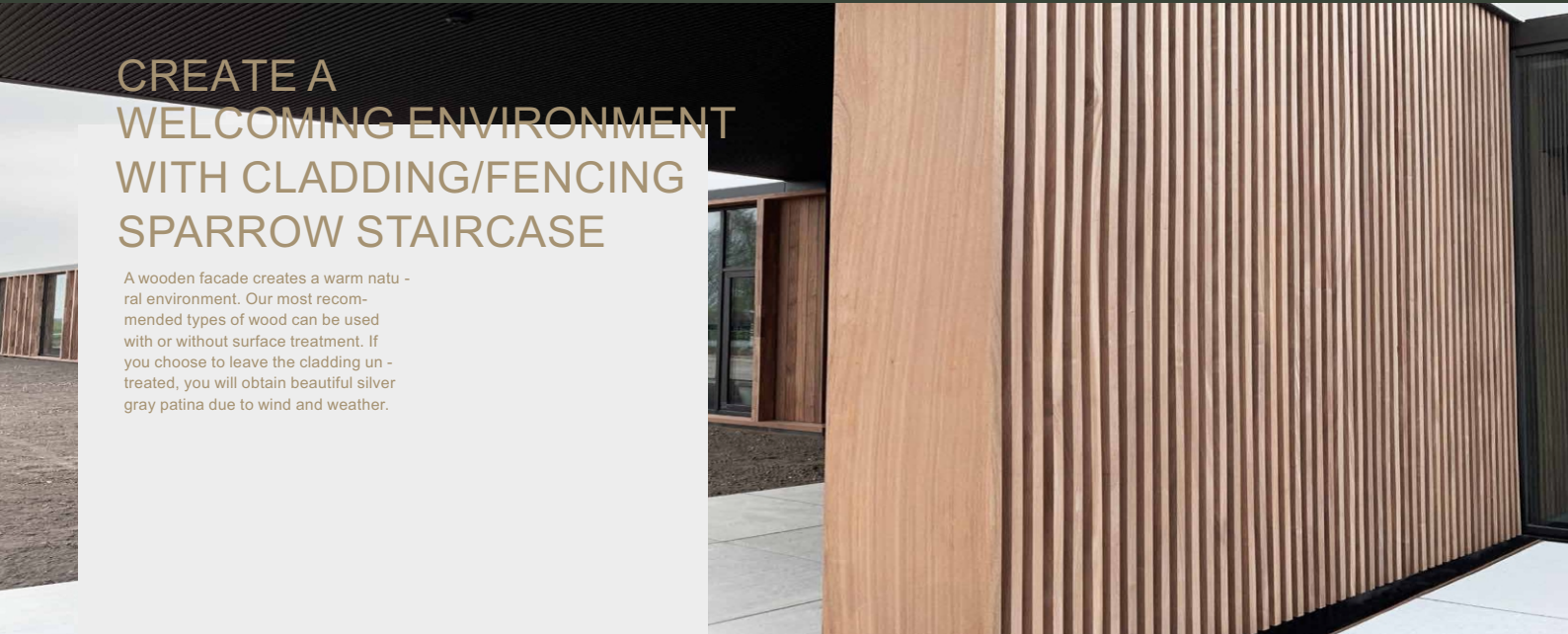
Applications:

Chengal is used for heavy construction, heavy carpentry, industrial and heavy flooring, bridges and utility furniture. It is suitable to be used for structural applications in renewal of old shophouses.

CRAFTSMAN & INNOVATION

CREATE A WELCOMING ENVIRONMENT WITH CLADDING/FENCING SPARROW STAIRCASE

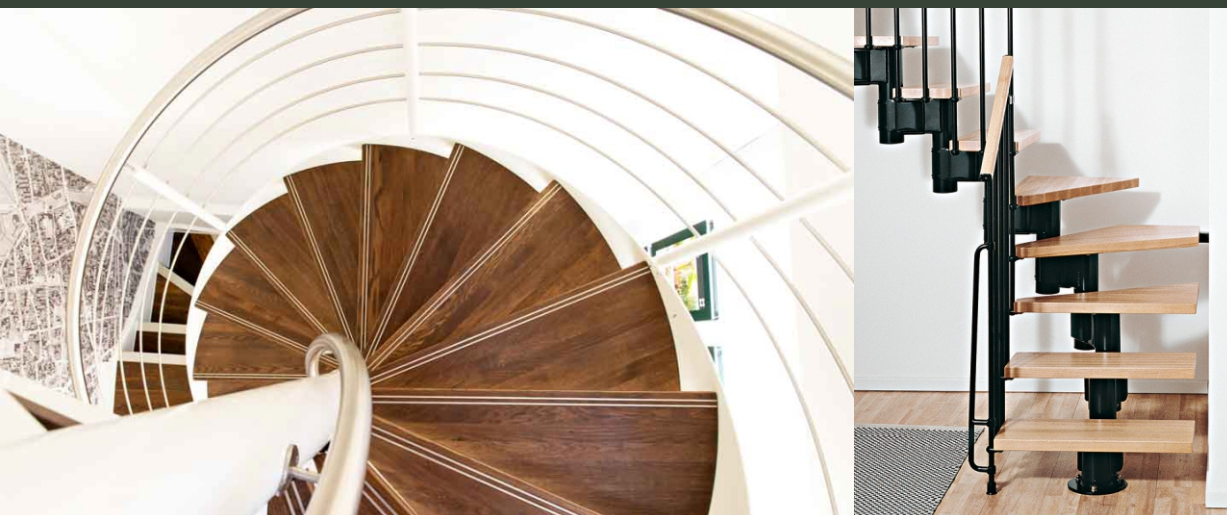
A wooden facade creates a warm natural environment. Our most recommended types of wood can be used with or without surface treatment. If you choose to leave the cladding untreated, you will obtain beautiful silver gray patina due to wind and weather.



FENCING



SPARROW STAIRCASE





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