

# DECKING SOLUTIONS



## SUSTAINABLE TIMBER & PANEL SOLUTIONS

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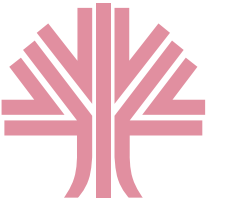
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International  
TIMBER



## INTERNATIONAL TIMBER DECKING SOLUTIONS



Our decking range gives you the design flexibility to achieve a look that suits your lifestyle. We have a range of beautiful species of hardwood and softwood timbers to choose from, each mellowing over time to add a unique warmth and character to your home. Plus a choice of handrail and balustrade components to satisfy contemporary and traditional tastes.

From terraces to roof gardens and from balconies to garden features, with our decking you can take the indoors outdoors.

International Timber has many years of experience in importing timbers and our expertise guarantees the consistency of quality in our products. All timbers are responsibly sourced to a strict environmental code and we can offer FSC® or PEFC certified timber. We are also members of the WWF – UK Forest and Trade Network for added peace of mind.





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## USEFUL ADVICE ON PLANNING AND INSTALLING YOUR DECK



### PLANNING YOUR DECK

As one of the UK’s largest importers of hardwoods and softwoods, we have many years experience in supplying high quality timber decking products.

The following guidelines provide some useful advice on how to achieve your dream deck.

#### When planning your deck, here are a few points to consider:

- Get the proportions right – consider the overall size of the deck vs the space that’s available.
- Sun Position – look at the position of the deck in relation to the movement of the sun.
- Shade – will there be some shade from buildings or trees in summer?
- Shadow – are there any areas that will be in permanent shadow from buildings or heavy foliage?
- Water – will the decked area be regularly exposed to water. Eg from swimming pools, ponds, fountains or even heavy foliage?
- Safety – do you need balustrade to make the area safe for children?
- Screening – do you need to provide additional screens or planting for protection against wind?
- Building Regulations – do your plans conform to building regulations which need to be considered for all deck areas above ground level?

#### When working on the construction layout, one of the first decisions to make is which way you lay your boards relative to the area to be covered.

- If your deck is square the deck boards may be laid in any direction.
- If your deck is long and narrow, there are practical advantages in running the boards across the short dimension. This is because the lengths of timbers supplied may be shorter than the actual length of your deck. In this instance, you will have to end butt the two timbers together which can cause an uneven surface and potential tripping hazard.





## CHOOSING YOUR TIMBER

### CHOOSING YOUR DECKING

Because decks are fully exposed to the outdoor elements, you must choose a wood that is fit for the purpose.

#### HARDWOOD DECKING

Hardwoods are naturally very durable and offer excellent dimensional and structural stability. They are ideal for decks with greater loading and high level of wear and tear. There are certain types of hardwood, particularly those used in marine construction that are ideal for use in decking, especially if you are thinking of incorporating a hot tub. Typically hardwoods tend to be more expensive than softwoods as they take longer to grow; they also offer different aesthetic characteristics in look and colour.

#### SOFTWOOD DECKING

Softwood is widely used in decking applications and is sourced throughout Europe. Species such as Western Red Cedar and Southern Yellow Pine are also used for decking being virtually clear of knots. The durability will be enhanced by the use of pressure treatments involving chemicals and if maintained can last for up to thirty years. Softwoods typically grow more quickly and therefore cost less than hardwood, however clear softwoods are similarly priced as hardwood.

#### MODIFIED TIMBER DECKING

Timber that has been modified using either heat treatment or acetylation process has become very popular over the past five years. The treatment processes used, offer a more environmental form of turning timber that would normally be classed as non durable in external use, to very durable, with a life span in excess of 30 years. The products marketed under this category are Thermowood and Accoya.

#### COMPOSITE DECKING

Alternatively for a low-maintenance, hard wearing option particularly suitable for commercial applications you can choose composite decking. It combines the distinct qualities of timber fibres and polyethylene to give a high quality finish that resists the colour fading impact of U.V. light.



## PREPARATION & INSTALLATION



**Prepare your decking site by removing all growth and some topsoil. Then apply a weed killer to sterilise the soil. Cover the area with black polythene sheeting. This helps prevent weeds from re appearing, as well as discouraging moisture to rise up into the deck. Top off the sheeted area with about 50mm depth of gravel. Timber decking is generally supported on wooden posts that are available in a variety of lengths, pre-treated with preservative.**

Work out the positions for the timber posts and make holes in the ground measuring approx 600mm deep by the same diameter.

Spacing is important and the positions of the posts depend on the spanning properties of the boards. For example newel posts are recommended to be spaced a maximum of 1.8m apart. Pour mixed concrete into the holes and allow the posts to set before you proceed with further construction work. If a deck is to adjoin an existing building, start the deck construction by attaching the deck to the outside wall. This ensures that it is aligned, square and is the correct level. Use only durable hardwoods or preservative treated softwood for the joist bearers.

When fitting the joist beams to the external wall, fix them at a height that allows the finished deck board to be at least two brick courses below the damp proof course. If there is insufficient space below your damp proof course to do this, then consider a free standing deck instead.

Use wall plates to support the joist directly, when attaching to an external wall. Leave a 10mm gap, by using a 10mm plate, between the joist board and the wall to allow water to drain away from your deck. Remember also to allow a slight fall away from the house to help the deck drain correctly.

Before laying your first deck board, work out a laying sequence and direction for the boards in relation to the overall deck size. The combination of full width boards and gaps allowed between the boards should cover the entire area – avoid splitting the final board.

Lay the boards with a gap not less than 6mm but not more than 10mm. When fitting boards around posts ensure about a 3mm gap is left around the post to allow for movement.

The grooves on the board's surface are designed to carry away water and improve slip-resistance. If the grooves are too narrow, or too shallow, they will easily become blocked. Grooves on deck boards are normally spaced about 10mm apart. Some of our boards have a reeded surface on the underside which provides a degree of ventilation and drainage between the board and the supporting joist bearer.



# DECKING SLIP RESISTANT



## SLIP RESISTANT DECKING

Decking with in-built anti-slip strips designed to prevent slips and falls.

### PROCESS

Anti-slip strips are factory applied to the decking. A blend of resin, fillers and hard-wearing anti-slip aggregates are injected into grooves of the decking and allowed to cure. The aggregate on the finished strips sits proud of the timber surface. It provides hardwood and softwood decking with additional grip, particularly in wet or icy weather. The anti-slip strips are applied before the application of stains or preservatives.



### BENEFITS

The aggregate and resin infills give a certain amount of protection against wear. More importantly, the strips provide additional grip under foot for pedestrians, particularly when timbers are wet or icy, thus reducing the risk of slips and falls. The product has been tested to BS7976-2: 2002 in accordance with the guidelines recommended by the U.K. Slip Resistance group. We recommend two strips of non slip for domestic applications and three strips for commercial and public areas.

### SIZES

Anti-slip strips can be applied to deck boards with grooves that have a width of between 5-10mm and a depth between 4-6mm. Deck boards are available in a choice of profiles – smooth and grooved. To further enhance your deck, we are able to offer a factory finish coating which will protect the look of your deck for a minimum of five years.

Anti-slip strips can be applied to all species of decking. Please contact the technical sales line for enquiries.



### FEATURES AND BENEFITS

- 3 YEAR GUARANTEE ON INSERTS
- 100 PTV RESULTS
- COLOURED INSERTS
- HARD WEARING AGGREGATE
- BESPOKE CUTTING SERVICE
- VARIETY OF PROFILES & LENGTHS
- FITTED AS TIMBER DECKING
- LOW MAINTENANCE
- NATURAL AESTHETICS OF TIMBER

# DECKING AQUADECK



## AQUADECK

The latest environmental development in non-slip timber decking, a timber board that allows rain water to permeate through the decking into the water course below, making Gripsure Aquadeck® SuDS compliant.

### UNIQUE DESIGN

Traditional 'rubber infill' decking boards can retain water (up to 0.6 litres per board) which results in algae growth and freezing water, creating a dangerous slippery surface. Gripsure Aquadeck® overcomes this problem by allowing water through the board and back into the ground, resulting in a cleaner and longer lasting finish.

Suitable for any decking project within the built environment where SuDS needs to be considered, such as parks, precincts, bridges, play areas, retail outlets, hotels, restaurants and leisure & tourism facilities

### FITTING INSTRUCTIONS

Gripsure® recommend that Gripsure Aquadeck® is fitted using Spax Wirox decking screws (4.5mm x 60mm stainless steel). Screws are fixed through the rubber insert, at the outside edge of each channel.



GREEN FLECK

## GRIPSURE AQUADECK™

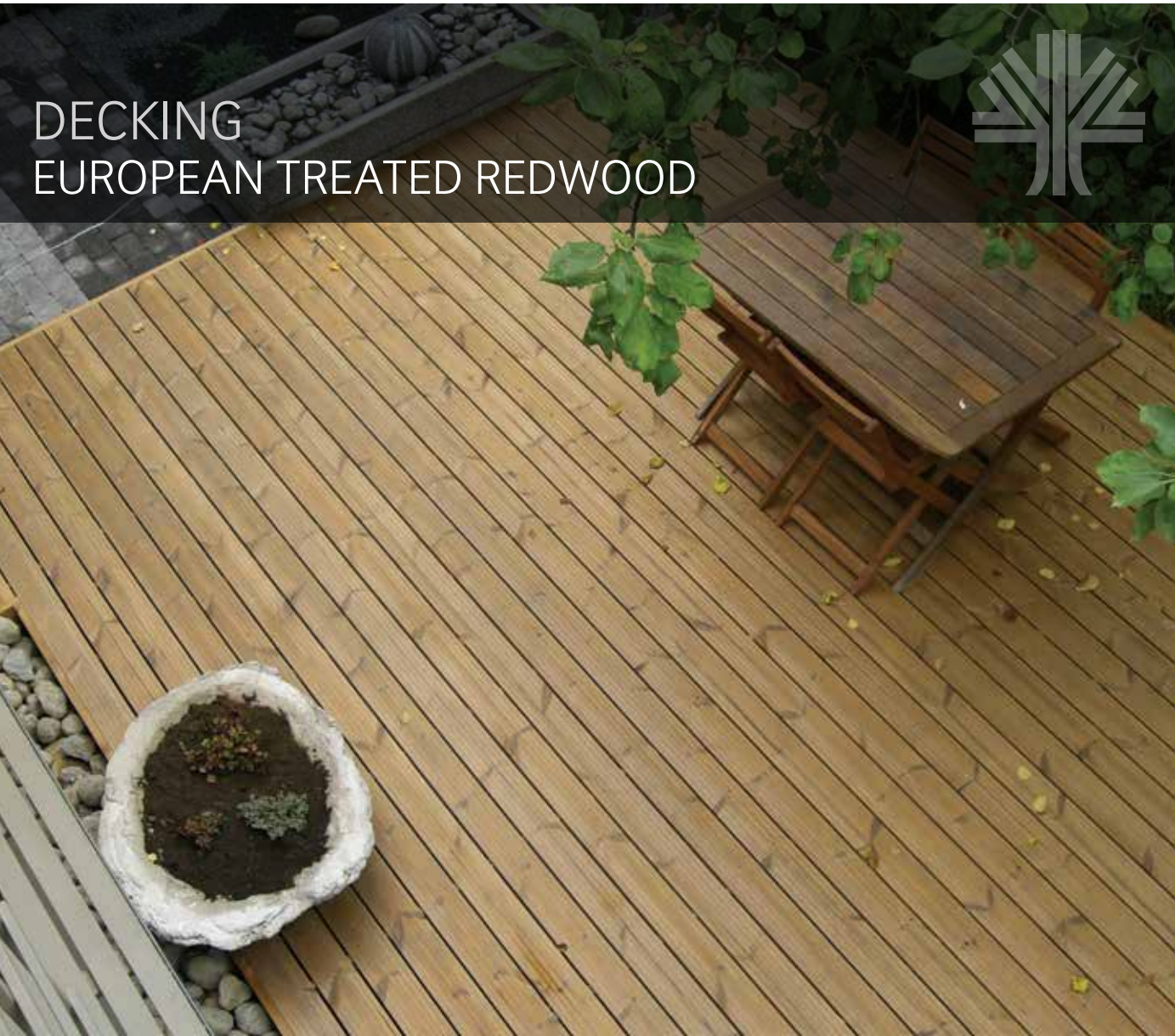


### FEATURES AND BENEFITS

- NON SLIP FINISH, SAFE, RELIABLE AND PROVEN PERFORMANCE FOR PEACE OF MIND
- NO DANGEROUS BUILD-UP OF WATER IN THE TIMBER DECKING BOARD
- UNIQUE DESIGNED PROFILE, RETAINING A CENTRAL TIMBER STRIP
- UNIQUE DUAL SYSTEM DRAINAGE CHANNELS
- SOFTER AND QUIETER UNDERFOOT THAN AGGREGATE FILLED BOARDS
- BRIGHT VIBRANT FINISH, OVER 200 COLOUR COMBINATIONS
- SCANDINAVIAN REDWOOD VTHS TIMBER – FSC CERTIFICATE NO TT-COC-003864
- 15 YEAR 'IN SERVICE LIFE' PRESERVATIVE TREATMENT TANALITH®







# DECKING EUROPEAN TREATED REDWOOD



## SOFTWOOD DECKING

Softwoods are a highly popular choice for both domestic and commercial decking alike. Contrary to its name, softwood offers a level of durability that means, if looked after properly, new decking will keep its look for a very long time.

The softwood decking solution we offer is made from Redwood (*Pinus sylvestris*) and is available from sustainable, certified sources. Typically more knotty than clear softwoods, Redwood is a cost effective option that is ideal if you prefer staining or colouring your deck.

Our softwoods are pressure treated to industry recognised standards that conform to the latest environmental legislation. This enhances their durability and wear resistance to the outdoor elements with a guaranteed lifespan of up to 30 years, provided your deck is properly maintained.

For those seeking a higher quality of softwood with less knots and thirty year plus durability, we offer Western Red Cedar from Canada and Siberian Larch. These timbers are naturally durable and therefore no additional treatment is required.

Softwoods are versatile to work with and accept stains very easily, allowing scope for creative deck designs within your garden scheme. Alternatively, you can leave your deck unstained and over time it will naturally weather to a silver grey colour. To maintain the appearance of your deck we recommend annual cleaning and re-oiling.

Our range offers a wide choice of treated components to satisfy contemporary and traditional tastes. The traditional range of turned balustrades and newels gives a timeless classic look. Or for a sleek contemporary style, choose the simplicity of clean lines with softly rounded edges.

Deck boards are available in a choice of profiles – smooth and grooved. To further enhance your deck, we are able to offer a factory finish coating which will protect the look of your deck for a minimum of five years.



# DECKING EUROPEAN TREATED REDWOOD



## AVAILABLE GRADES:-

5th Grade  
Live sound knots, no wane, no blue stain

PROPERTIES	
BOTANICAL NAME	Pinus sylvestris
PHYSICAL/STRUCTURAL PROPERTIES	Strong and moderately hard
MOISTURE CONTENT	16 - 18%
TYPICAL APPLICATIONS	Joinery - windows and doors, decking, cladding, construction
DENSITY	510kg/m³
ORIGIN	Finland, Sweden, Demark and Norway
DURABILITY	AC500 vacuum pressure treatment and to user class 3 minimum 15 year desired life
ENVIRONMENTAL CREDENTIALS	FSC® / PEFC
STORAGE ADVICE	Undercover Always
SUPPLIED FINISH	Machined to profile
WORKING PROPERTIES	Capable of a smooth clean finish, stains and varnishes well

EUROPEAN TREATED REDWOOD DECKING				
Product	Profile	Code	Available ex-Stock	Environmental Credentials
Deck boards				
26 x 117mm	Reversible	JR3212	Y	FSC / PEFC
32 x 117mm	Reversible	JR3812	Y	FSC / PEFC
28 x 145mm	Reversible	JR3215	Y	FSC / PEFC
SOFTWOOD DECKING COMPONENTS				
Rails				
34 x 78mm x 2.4m - 5.4m	Patterned Handrail	T0004758	Y	PEFC
34 x 78mm x 2.4m - 5.4m	Patterned Handrail	T0004398	Y	FSC
32 x 78mm x 2.4m - 5.4m	Baseraill	T0004389	Y	FSC
32 x 78mm x 2.4m - 5.4m	Baseraill	T0005454	Y	PEFC
12 x 42mm x 2.4m - 5.1m	Fillet	S0003730	Y	FSC/PEFC
Posts				
82 x 82mm x 1.200m	Chamfered	S0006186	Y	PEFC
82 x 82mm x 1.250m	Chamfered & Bead	S0006172	Y	PEFC
82 x 82mm x 1.200m	Rounded 4 corners	S0006197	Y	PEFC
95 x 95mm x	Rounded 4 corners	T0005341	Y	PEFC
82 x 82mm x 1.200m	Traditional Cap	S0003470	Y	FSC/PEFC
Components				
41 x 41mm x 895mm	Chamfered	S0006070	Y	PEFC
41 x 41mm x 895mm	Turned	S0006068	Y	PEFC
41 x 41mm x 900mm	Rounded 4 corners	T0004417	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order





# PROFILES EUROPEAN TREATED REDWOOD



## COMPONENTS

## POSTS



Treated Stop  
Chamfered Spindle  
41 x 41 x 895mm



Traditional Turned  
Spindle  
41 x 41 x 895mm



Traditional Cap  
82 x 82 x 1200mm



Treated Stop  
Chamfered Newel  
82 x 82 x 1200mm



Rounded Corners  
Newel  
82 x 82 x 1200mm



Chamfered  
and Bead  
82 x 82 x 1250mm

## RAILS

## DECK BOARDS

### BASERAIL



Rebated Baserail  
32 x 78mm

### HANDRAIL



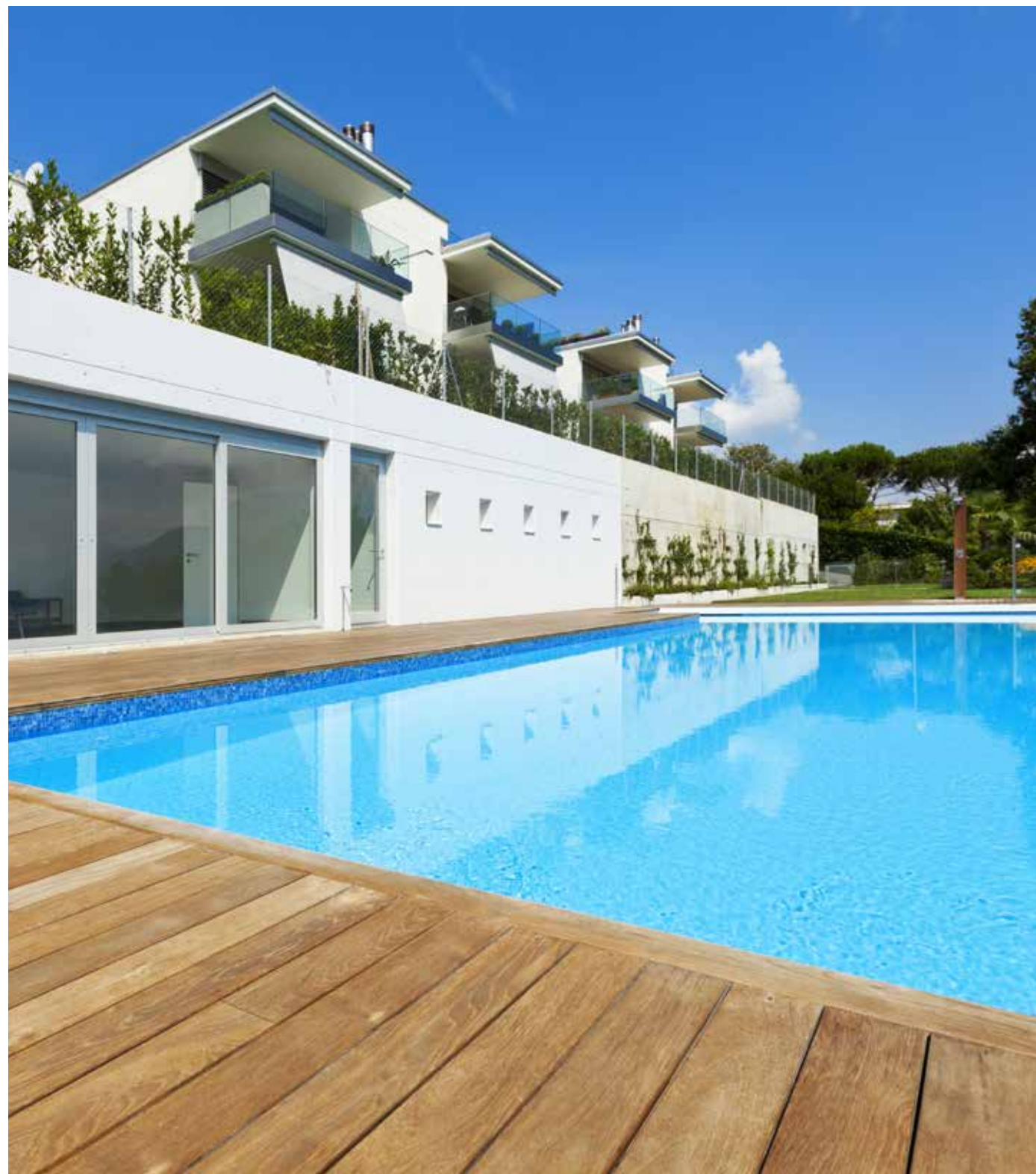
Rebated Handrail  
32 x 78mm



Reversible Decking







# DECKING HARDWOOD



## HARDWOOD DECKING

Hardwoods combine highly practical and aesthetic qualities making them a premium choice for decking. The appeal of hardwoods lies in their naturally rich, deep colours that weather over time to develop a beautiful warmth and character. Hardwoods can be stained if you wish, to your distinct colour preference. Hardwoods contain tannin which under certain conditions may leach, leading to staining. This can be prevented by applying a deck stain or sealant.

Hardwoods are highly resistant to fungal growth and offer naturally superior levels of durability and wear resistance, without any additional chemical treatment.



With only nominal care and maintenance with treatment oils or stains, they retain their natural beauty year after year – a major plus for the busy lifestyles we lead today.

We have an extensive stock holding of product in the U.K, comprising of species such as Yellow Balau, Massaranduba and Iroko to order all available with FSC certification. Dependant on the final design and application of your decking, we can recommend the right species of timber for you.

SCOTTISH DECKING SALES  
0844 728 0322  
E: [decking1@internationaltimber.com](mailto:decking1@internationaltimber.com)

NORTHERN DECKING SALES  
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SOUTH WEST DECKING SALES  
0844 728 0362  
E: [decking3@internationaltimber.com](mailto:decking3@internationaltimber.com)

SOUTH EAST DECKING SALES  
0844 728 0392  
E: [decking4@internationaltimber.com](mailto:decking4@internationaltimber.com)



# DECKING - HARDWOOD YELLOW BALAU



## AVAILABLE GRADES:-

Select & Better  
Some pin hole present, colour a yellowish brown which will turn grey on exposure to external weathering

### PROPERTIES

BOTANICAL NAME	Shorea laevis ridl
PHYSICAL/STRUCTURAL PROPERTIES	Strong, heavy and very hard
MOISTURE CONTENT	Shipping dry - 25% average
TYPICAL APPLICATIONS	Decking, marine construction, piling and heavy duty industrial flooring
DENSITY	881 - 980kg/m³
WASTAGE ALLOWANCE	10 -15% length waste
ORIGIN	South East Asia
DURABILITY	Class1 - life span of 50 years plus
ENVIRONMENTAL CREDENTIALS	FSC/ PEFC & 3rd Party COC
STORAGE ADVICE	Undercover to avoid colour change with weathering prior to installation
SUPPLIED FINISH	Machined to profile
WORKING PROPERTIES	Although hard and heavy the timber machines well, but with severe blunting on cutting edges
STABILITY	Minimal distortion with slight tendency to bow

HARDWOOD DECKING YELLOW BALAU				
Product	Profile	Code	Available ex-Stock	Environmental Credentials
Yellow Balau				
19 x 90mm x 2.1m - 4.8m	Reeded Deck board	H0000366	Y	✓ ☎
21 x 145mm x 2.1m - 4.8m	Reversible Deck board	H0000367	Y	✓ ☎
21 x 145mm x 2.1m - 4.8m	Smooth, rounded 4 corners Deck board	H0003146	Y	✓ ☎
28 x 145mm x 2.1m - 4.8m	Smooth, rounded 4 corners Deck board	H0003147	Y	✓ ☎
Yellow Balau FSC				
19 x 90mm x 2m - 4.8m	Reeded Deck board	H0006210	Y	FSC
21 x 145mm x 2m - 4.8m	Reversible Deck board	H0006211	Y	FSC
28 x 145mm x 2m - 4.8m	Reversible Deck board	H0006213	Y	FSC
Yellow Balau PEFC				
19 x 90mm x 2m - 4.8m	Reeded Deck	H0006640	Y	PEFC
21 x 145mm x 2m - 4.8m	Reversible Deck	H0006641	Y	PEFC
Yellow Legally Verified				
19 x 90mm x 2m - 4.8m	Reeded Deck	H0007050	Y	Legally verified
21 x 145mm x 2m - 4.8m	Reversible Deck	H0006333	Y	Legally verified
21 x 145mm x 2m - 4.8m	Smooth Deck	H0006493	Y	Legally verified
28 x 145mm x 2m - 4.8m	Reversible Deck	H0006783	Y	Legally verified

Additional specifications, sizes, chain of custody and specials are available to order



Reversible Deck Board



Reeded Deck Board



Smooth Rounded 4 Corners Decking Board



# DECKING - HARDWOOD YELLOW BALAU





# DECKING - HARDWOOD IROKO



## GRADE OVERVIEW:-

FAS - (First and Seconds).  
We offer a wide range of bespoke machined deck profiles and will tailor to your requirements

### PROPERTIES

BOTANICAL NAME	<i>Chlorophora excelsa, Chlorophora regia</i>
DENSITY	660 kg/m <sup>3</sup>
DISTRIBUTION	C. excelsa has a wide distribution in tropical Africa, from Sierra Leone in the west, to Tanzania in the east. C. regia is confined to West Africa, where it occurs from Senegal to Ghana. There does not appear to be any significant difference between the timber of the two species
DRYING	The timber dries well and fairly rapidly, with only a slight tendency to distortion and splitting
DURABILITY	Durable
ENVIRONMENTAL CREDENTIALS	FSC & 3rd Party COC
MOISTURE CONTENT	14% - 18% (+/- 2%)
ORIGIN	West & Central Africa
PHYSICAL/STRUCTURAL PROPERTIES	Iroko has excellent strength properties, comparing well with teak, though weaker in bending and in compression along the grain
PURCHASING CYCLE	12 month
STORAGE ADVICE	KD Under Cover
TYPICAL APPLICATIONS	Decking
WORKING QUALITIES	Medium to difficult - Iroko works fairly well with most tools, though with some dulling effect on their cutting edges, especially when calcareous deposits are prevalent. On quarter-sawn stock, there is a tendency for grain to pick up due to interlocked grain, and a reduction of cutting angle to 15° is usually necessary to obtain a smooth surface. An excellent finish can be obtained if the grain is filled. It takes nails and screws well, and can be glued satisfactorily



# DECKING - HARDWOOD MASSARANDUBA



## AVAILABLE GRADES:-

Select  
Colour dark reddish brown which will grey on exposure to weathering

We offer a wide range of bespoke machined deck profiles and will tailor to your requirements

### PROPERTIES

BOTANICAL NAME	<i>Manilkara bidentata</i>
PHYSICAL/STRUCTURAL PROPERTIES	Strong, heavy and very hard
MOISTURE CONTENT	Shipping dry - 25% average
TYPICAL APPLICATIONS	Decking,
DENSITY	1050kg/m <sup>3</sup>
WASTAGE ALLOWANCE	10 -15% length waste
ORIGIN	South America
DURABILITY	Durable to very durable 50 years plus
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Undercover to avoid colour change with weathering prior to installation
WORKING PROPERTIES	Moderately easy to work despite its high density, it machines and finishes to a very smooth surface
STABILITY	Fairly stable once seasoned, although slight tendency to bow



Smooth Rounded 4 Corners Deck Board



Reversible Decking Board





# DECKING - MODIFIED TIMBER

## WHAT IS WOOD MODIFICATION?



The process of wood modification involves applying a substance to the wood resulting in a permanent change in the characteristics of the material.

### THERMAL MODIFICATION

Heat treatment is one of the most common forms of timber modification and has been used in the industry for more than 50 years. The timber is heated to temperatures over 200 degrees, and without the presence of oxygen this causes the chemical makeup of the species to alter. As the temperature of the kiln boosts, the increased heat “bakes” the sugars and tannins in the wood, making them inedible to microbes and insects, with the wood becoming darker and hardening.

Thermally-modified wood is a superior product for both indoor and outdoor applications, including high moisture environments. It is also a high-performing alternative to pressure-treated wood, and offers cost advantages over more expensive species.

### CHEMICAL MODIFICATION

The chemical process used in our product Accoya is called acetylation. The wood is made up of free hydroxyls; these hydroxyls absorb and release water depending on the climatic conditions to which the wood is exposed.

Acetylation transforms the free hydroxyls in the wood into acetyl groups, reducing the wood's ability to absorb water, thereby making it more dimensionally stable and more durable. These acetyl groups are already present in all wood species, as a result, the manufacturing process of timber that is modified using this method add nothing to the wood that is not naturally present.



# DECKING - MODIFIED TIMBER

## LUNAWOOD®



### LUNAWOOD® DECKING

Due to improved insulation properties Lunawood® Thermowood is an excellent decking material, which balances the change of heat and cold and makes it pleasant to walk on. Lunawood® decking is resin free, light-weight, easy to work and fix. It offers an elegant, durable and chemical-free solution for terraces, patios and balconies.

### PROCESS

Thermowood is produced by heat treating selected Scandinavian Redwood (Pinus sylvestris). Lunawood®, who are the world's leading producer of thermally modified timber, use Northern Scandinavian Redwood that is conditioned in a unique continuous kilning process, heating the timber to 212° Celsius whilst protecting it with steam. This thermal process enhances the chemical and physical properties of the timber providing many benefits.

In external applications (BS EN 335 Use Class 3) Lunawood® meets the requirements of Durability Class 2 (BS EN 350).

After thermal modification the timber becomes naturally durable making it suitable for use as cladding, decking or other outdoor applications, without the need for chemical preservatives.

### Properties

In addition to natural durability, thermal modification provides other benefits. The timber darkens to an attractive deep brown colour making it an ideal timber for decking.

The colour change is consistent throughout the thickness enabling further cutting, drilling or shaping without the need for additional preservative treatment and without affecting the durability or service life.

The changes to the physical properties give Thermowood greater stability over untreated or chemically treated timber. This means that Thermowood suffers less shrinkage, swelling cupping and distortion than ordinary wood.

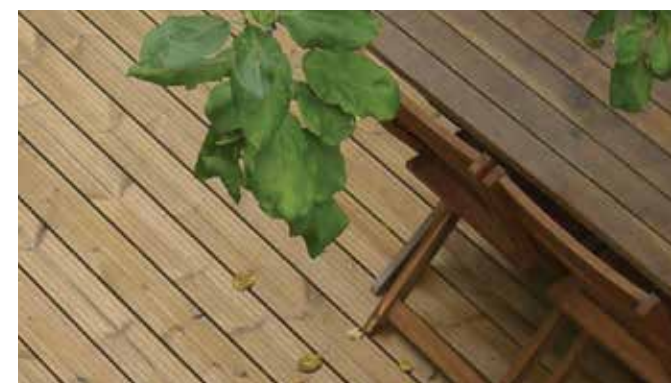
Our Thermowood (Lunawood®) is recognised by the Building Research Establishment (BRE) which endorses a 30 year service life when used for decking. Lunawood® is also certified with the European Standard CE mark ensuring it meets EU consumer safety, health and environmental requirements.

**30 YEAR LIFE EXPECTANCY** – Minimum 30 year life expectancy confirmed by Building Research Establishment.

**UV PROTECTION** – As with all timber, Thermowood is unable to resist the effects of ultraviolet radiation and the exposed surface will silver in a relatively short period of time.

**COATINGS** – To maintain the appearance of the deck we recommend WoodGuard Color Special Flooring when factory applied at our in-house facility.

**SUSTAINABLE** – This environmentally friendly product is PEFC certified.





# DECKING MODIFIED TIMBER



International Timber is a distributor of Accoya® decking nationwide. It is a high performance sustainable timber product which creates a deck that will outlast and outperform other unmodified species. It embodies the beauty of natural wood with exceptional performance characteristics.

Spanning eight decades of research, Accoya wood combines past and present scientific wood acetylation study with a proprietary production process to deliver reliable commercial scale results. The acetylation process used to make Accoya wood is entirely non-toxic and introduces no chemicals that are not already found in the wood. In producing Accoya wood, the chemical structure of the wood is modified from the surface to the core, providing outstanding and durable performance.

## PROFILES AVAILABLE

International Timber offers a wide range of bespoke machined deck profiles and will tailor individual requirements.

QUALITIES OF ROUGH SAWN ACCOYA WOOD	
Accoya A1 – 4	Sides primarily clear
Accoya A2 – 3	Sides primarily clear
Accoya A3 – 1	Side primarily clear
Accoya FJ- A	Optimised and finger jointed according to BRL 1704-2

## HOW TO USE ACCOYA WOOD

### Transportation and Storage

Accoya wood should be carefully transported and stored in a manner consistent with other high quality woods. This includes keeping it from getting wet shortly before being processed. The equilibrium moisture content of Accoya wood is quite dry (3 – 5 % in normal conditions). Wood measuring more than 8% moisture content is likely to have excessive “free” water and should be allowed to dry.

### Processing

As a result of kilning and our production process, Accoya wood may have some discolouration. Planning may be desired to remove surface decolorization.

### Fixings

Always attach Accoya wood with stainless steel fasteners and fittings with A2 or A4 (EN 10088-1) quality or A151 type 304 or 316 when possible. You may also use specially coated (epoxy, polyurethane) fasteners. Preferably pre-drill for screws. Attach small pieces, such as glazing rods, with staples to minimise chances of splitting, 18 gauge A2 quality staples are recommended.

### Coating

Accoya wood may be finished with semi- and non-film forming paint systems such as stains and oils. The products tested to date show that oil-based systems are more quickly absorbed by Accoya wood than water. Please refer to your coating supplier for advice about the best way to apply their products.

If using film-forming opaque and translucent coating systems, they should be applied on all sides with a minimum film thickness that corresponds to the requirements of the end product and/or paint supplier's instructions. End grains should be sealed with a suitable product so the protection of all finished sides against water (liquid) uptake is approximately equal. Please contact your coating supplier for further advice.

### Application suitability

Accoya wood offers unsurpassed dimensional stability and durability class 1 according to EN 350 – 2, EN 113 and ENV 807 in risk class1 to 4 according to EN 35 – 1. Permanent contact with materials that are pH9 and above is not recommended.



## AVAILABLE GRADES:-

A1, Clear 4 faces, no defects. Discolouration not a defect

A2, No finger joint - Clear of defect on 3 faces, one face will have knots to 50mm in diameter, discolouration permissible

A3 & mixed No finger joint - One side will be clear of knots or defect. Mixed Grade - Will contain 50% A1, 30% A2 & 20% A3.

## PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	Not for structural application
MOISTURE CONTENT	Below 8%
TYPICAL APPLICATIONS	Joinery, Decking, cladding, outdoor furniture, fencing
DENSITY	490Kg/m³
WASTAGE ALLOWANCE	15%
ORIGIN	Holland
DURABILITY	Class 1
ENVIRONMENTAL CREDENTIALS	FSC mixed source
STORAGE ADVICE	Undercover always
SUPPLIED FINISH	Rough sawn
GLUE	Din 4 external
STABILITY	Very stable
WORKING QUALITIES	Excellent working qualities to produce a superior finish
COATING	Paint manufacturers provide extended warranties on their product when used on Accoya
IRONMONGERY	Due to the Acetic acid present in Accoya, good quality stainless steel, brass or coated ironmongery is recommended



## THE PERFORMANCE BENEFITS

### DIMENSIONALLY STABLE

Swelling and shrinkage reduced by 75% or more. Doors and windows open effortlessly year round. Paints and varnishes last 3 or 4 times longer, greatly reducing maintenance costs.

### FROM SUSTAINABLE SOURCES

Sustainably sourced, including FSC, PEFC and other regionally certified woods. Naturally renewable.

### UV RESISTANT

Accoya® wood has superior resistance to UV degradation when translucent coated and its natural appearance lasts longer. Accoya® wood is the ultimate substrate and coating life is increased.

### CLASS 1 DURABILITY

The most durable wood possible. More durable than teak and the world's other most durable woods. Perfect for outdoor use

### OUTSTANDING DURABILITY

Warranted to last at least 50 years above ground and 25 years in ground.

### RETAINED STRENGTH & HARDNESS

The process does not compromise the wood's strength. Hardness is increased. High strength to weight ratio making it suitable for challenging applications.

### INSECT BARRIER

Accoya® wood is indigestible to insects and micro-organisms and is therefore more resistant to decay. Barrier to wood-destroying fungi. Accoya® wood is virtually rot-proof.

### 100% RECYCLABLE

Fully reusable and recyclable. Reuse is recommended but Accoya® wood may be safely incinerated for bio-energy.

### PERFECT FOR COATING

Easier to coat: less preparation and sanding between coatings required. Improved dimensional stability and UV resistance improves the life of coatings. Perfect for transparent, translucent and opaque coatings.

### CONSISTENT QUALITY THROUGHOUT

Consistent, measurable modification quality from surface to core. No need to apply chemical preservatives when cut or planed.

### NATURALLY BEAUTIFUL WOOD

The process does not compromise the wood's natural beauty.

### EXCELLENT MACHINABILITY

Accoya® wood is easy to machine and process manually, creating no challenges for product manufacturers or end users.

### NATURALLY INSULATING

Accoya® wood offers improved thermal insulation in comparison with commonly used wood species. Accoya® wood is ideal for applications where energy conservation is important.

### CONSISTENT SUPPLY

Produced from abundantly available, fast-growing sources species such as Radiata Pine.

### NON-TOXIC & RECYCLABLE

Accoya® wood is non-toxic, protecting the environment from the harmful effects of poisons leaching out of typical wood treatment. Accoya® wood may be safely reused and recycled.





# DECKING

## COMPOSITE TIMBER DECKING



### DURA DECK

Dura Deck is produced from Wood Plastic Composite (WPC) which is manufactured from a combination of recycled plastics and hardwood waste. It is an immensely versatile material which combines the traditional appearance of timber with the durability of an engineered composite. It's also the first product of its kind to be 100% FSC Certified.

Dura Deck will not split, splinter or rot and is extremely dimensionally stable. It requires little or no maintenance and has a high resistance against environmental impacts such as fungal or mould attack. It's innovative subsurface fixing systems means no nails or screws need to go through the deck itself, creating a smart, uniform and barefoot friendly deck.



### DURA COMPOSITES DECKING

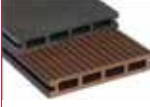






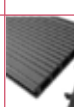


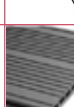

- Dura Deck is made from upto 87% recycled materials and is 100% FSC Certified
- Requires no staining or painting
- Low Maintenance - Needs only basic cleaning to maintain
- Dimensionally stable - Dura Deck will not warp or rot
- UV Certified to ISO 4892-2 so will survive the harshest of climates
- Barefoot Friendly - Sub Surface easy fixing



# DECKING

## COMPOSITE TIMBER DECKING

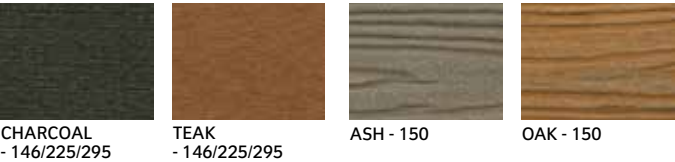


DURA DECK										
Product	Thickness	Length (mm)	Colours/Surface options	Solid Plank Version Available	End Cap Available	Fascia Plank Size	Maximum Span	Install Speed	Recycled Content	Typical Applications
Type 146	22	3660	 Charcoal, Teak	Y	 Y	230x9mm	400mm	 Medium	87%	Modern Residential
Type 150	22	3660	 Ash & Oak	N	 Y	140x10mm	400mm	 Medium	85%	Traditional Residential
Type 225	30	3660	 Charcoal, Teak	Y	 Y	230x9mm	600mm	 Fast	87%	Residential, Commercial, Public
Type 295	23	3660	 Charcoal, Teak	Y	 Y	230x9mm	500mm	 Very Fast	87%	Residential, Light Commercial

A full range of co-ordinating fixings and accessories are also available to complement your Dura Deck.

Colours shown are representative only, actual colours may vary slightly.

Please note that although Dura Deck is relatively colour stable, there will be some initial colour lightening as the product weathers which typically occurs in the first 3 months.





# USEFUL ADVICE ON HOW TO CARE FOR YOUR DECK



## FIXINGS

Deck boards can be fixed to joists using a variety of methods. The most common way is to use deck screws or deck clips which offer the advantage of hidden fixing. Screws need to be a good quality and a minimum length of 75mm to ensure adequate hold into the joist. Under no circumstance should nails be used to fix the deck boards to the joist. Two screw fixings should be used on boards that are wider than 75mm and should be positioned at quarter points on the width. This reduces the risk of splitting the board.

If the deck board is grooved, the fixings should lie in the grooves. This prevents the fixing from sticking up and causing a trip hazard, should there be any shrinkage of the board.

Always ensure the screw is set flush with the base of the groove so as not to block the flow of water in the groove. For dense hardwoods which do not compress as easily as softwoods, use screws with countersunk heads in predrilled holes. Allow clearance between the screw shank and the board by pre-drilling the holes 2mm oversize in the hardwood to allow for any moisture generated movement.

When fixing boards end to end, this may require a double joist to increase the space for the fixing.

\* For composite decks, please refer to installation manual.



## PRESERVATIVE TREATMENTS

Treating timbers with the correct preservatives ensures their long-term durability – which would not be the case if left to the natural elements untreated.

All of our softwood decking timbers are supplied treated, complying with all current environmental and industry legislation. The timber is treated in vacuums and high pressure cycles to achieve deeper penetration of the preservative into the timber, resulting in a lightgreen or brown colour.

Treatment protects timber from insect and fungal attack but we recommend a further treatment with a suitable decking oil on both hardwoods and softwoods to protect against moisture.

Whilst installing your deck, you will inevitably make cuts and notches within some of the decking materials. Always treat any newly exposed parts with products such as Enseal to reseal the unprotected areas. We also recommend you follow this practice with hardwoods, even though they display high levels of natural resistance to moisture. Sealing your decking in this way prevents potential swelling and shrinking of the wood, which can result in surface checking and possibly splitting.



Whilst every care has been taken in the production of this brochure, International Timber cannot be held responsible for any errors or omissions. For technical reasons connected with colour reproduction and as wood is a natural material and varies in shade, the colours shown may vary slightly from the actual product. This brochure does not form part of a contract of sale.

International Timber is part of the Saint-Gobain Group, one of the world's top 100 industrial companies. We are a member of the WWF Buyers Guide - UK Forest and Trade Network and are committed to providing high quality products from well managed sources. We support the independent certification of responsible forestry, for example FSC®, and in line with Saint-Gobain Group policy we comply with all current legislation in place at the country of origin for timber purchasing.

All of our sites hold full chain of custody for trade in certified products.

**MEASUREMENTS USED IN THIS BOOK**  
International Timber sources products from across the world, therefore some measurements in this book will be in shown in Metric and some in Imperial, dependant on the country of origin.







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