



*Real* **DECK**®

Wood gives an atmosphere.  
Wood is practical.

Outdoor wooden decking



**Am-Mex** Ltd.  
all about wood



# CONTENT

---

WHAT IS REAL DECK	2
QUICK OVERVIEW	4
SUITABILITY FOR USE AND CONNECTING MATERIAL	5
CZECH LARCH	8
WESTERN RED CEDAR	12
THERMOWOOD TECHNOLOGY	16
THERMOWOOD PINE	20
THERMOWOOD PINE CLIP	24
THERMOWOOD ASH	26
CLEANING, CARE AND MAINTENANCE	30
BANGKIRAI	36
MASSARANDUBA	40
JATOBA	44
BUKIT	48
MERBAU	52
GARAPA	56
TATAJUBA	60
IPE	64
TEAK	68
UNDERCONSTRUCTION	74
ADJUSTABLE PEDESTALS	76
TERRACE HOLDER FOR INVISIBLE CONNECTION	78
DISTA BAR FOR VISIBLE CONNECTION	79
MEX SCREWS - WOOD SCREWS	80
MEX TOOLS - ASSEMBLY ACCESSORIES	81

# WHAT IS REAL DECK?

---

Real DECK presents 25 years of experience on the Czech and international market with more than three million square meters of outdoor wooden decking sold and installed from European and exotic wood. A selection of tested wood species that flawlessly perform its purpose in the conditions of Central Europe gives the assurance of 100% material quality and recommended components for the long-term benefit of a wooden decking with the increasing popularity of this material.

From the very beginning, our company has sought out the best processing plants in locations of Southeast Asia, South America, Canada, China and Europe to ensure the long-term high and consistent quality of the materials we supply. The manufacturing process of outdoor wooden decking is under the constant control of our agents who supervise the correct sorting of incoming material, drying, quality of processing, storage and loading into shipping containers or trucks.

In our business we think only about natural materials that do not lose their value and beauty - even with time. We only work with suppliers who respect sustainable forest management. By using wood, we protect non-renewable raw materials for future generations and, in addition, we have a positive impact on our society, economy and the environment. It is important for us that the public understands this concept and is aware of the positive impacts of using wood in everyday life. Of all the possible materials that can be used for decking, we sell wood because we help:

- protect non-renewable raw materials
- preserve sustainable forest management for future generations
- balance the three pillars of sustainable development: economic, social and environmental

Sea, road and rail transport of manufactured material to the final destination is provided by our own logistics department through direct shippers. Thanks to on-line tracking of shipments, a constant overview of the delivery date of the material to our warehouse is ensured.

Real DECK outdoor wooden decking, depending on the wood species, is either artificially dried or air-dried and with storage areas adapted to its specific parameters. For artificially dried material with a humidity of 14-18%, we have built rack storage systems inside the air-conditioned hall to ensure that changes in humidity and degradation of materials due to weathering are cut down to minimum. Each pallet is firmly stacked. Air-dried timber with a moisture up to 20% is stored in outdoor covered racking systems, where it is left for approximately 1/3 of the year before the actual sale due to moisture stabilisation in the Central Europe.

The complete range of outdoor wooden decking is stocked at our headquarters in Prague 9, where personal pick-up of the materials is possible upon prior order. Logistics throughout the Czech Republic is provided by transport companies within 3 - 5 days after ordering.

REAL DECK is not just decking boards, but a complete system of sophisticated accessories for the proper assembly of outdoor wooden decks. MEX-SCREWS is a brand of high-quality wood screws specially developed for fastening decking boards to a wooden or aluminum substructure. Individual product lines target the specific requirements, properties and color of individual wood species so that the connection of decking boards to the substructure is durable and strong and the deck structure is resistant to external influences. In conjunction with the screws, we also supply MexTOOLS assembly accessories, optimized for long life, high precision and maximum reliability.

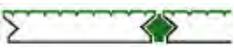
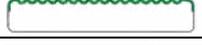
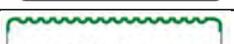
Wood is one of the longest used materials in human history and it brings a number of advantages and positive characteristics.

Particularly in terms of processing, relative inexhaustibility and undemanding recovery with good forest management. Only certified timber from controlled harvesting is used for Real DECK's outdoor wooden decking in order to avoid the destruction of tropical rainforests. There are about 50 certification systems worldwide (for example: PEFC, FSC, SFI, ATFS, CSA and others), which are designed to confirm that a forest is managed sustainably by an independent certification institution. This means that every tree harvested is replaced by a new one.

Being surrounded by wooden materials is good for the body and soul. The philosophy of the timber trade is to be convinced of the quality of the material, but above all of the wood itself, to know perfectly its nature, its parameters and to pass these on to the end consumers so that everyone can make the best decision based on all the information available. Perception of environmental responsibility and doing our job to the fullest - that's Real DECK!



# QUICK OVERVIEW

WOOD SPECIES	PROFILE	DIMENSIONS (mm)	
		Thickness	Width
Czech larch		28	140
Western Red Cedar		40	140
Thermowood pine *Clip and Clip 2*		26	117 / 118
Thermowood pine *Clip and Clip 2*		26	117 / 118
Thermowood pine		26	117 / 118
Thermowood pine		26	138 / 140
Thermowood pine		26	140
Thermowood pine		26	138 / 140
Thermowood ash		20	140
Thermowood ash *clip		20	115
Thermowood ash *clip (smooth or grooved)		20	140
Bangkirai		25	145
Massaranduba		21	90
Massaranduba		21	140 / 145
Massaranduba		25	145
Jatoba		21	145
Bukit		18	140
Bukit with tongue and groove on the transverse side		28	145
Merbau Clip		22	140
Merbau		25	145
Garapa		25	145
Garapa		21	90 / 145
Garapa		21	145
Tatajuba		21	145
Ipe		21	145
Teak with tongue and groove on the transverse side		20	120
		20	90

Suitability for: **A:** Covered decking (exposure to UV rays)

**B:** Open decking (all-weather exposure) **C:** Open pool decking

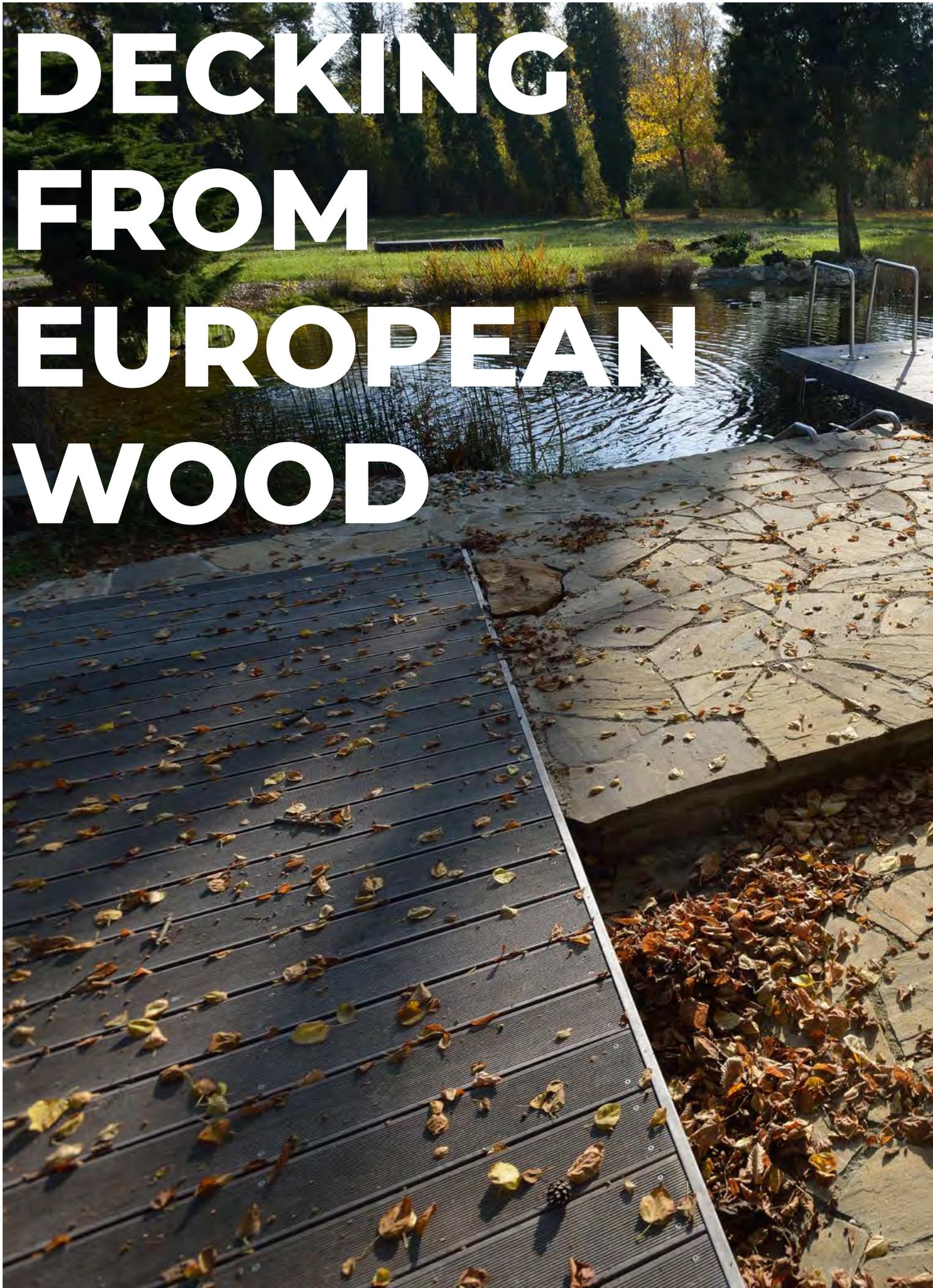
 appropriate

 limited

 inappropriate

APPROXIMATE DENSITY (KG/M <sup>3</sup> )	SUITABILITY			RECOMMENDED TYPE OF JOIST/ UNDERCONSTRUCTION (mm)	RECOMMENDED SCREW TYPE (mm)	
					Economic option	Recommended option
550				Czech larch 45x70 mm	MEX Classic 5x60 C1	MEX Classic 5x60 A4
340-460				Czech larch 45x70 mm	MEX Classic 5x80 A4	
450				Thermowood pine 42x68 mm	Mex Antique 5x60 A2	Mex Classic 5x60 A4
					Mex Antique 5x60 A2	Mex Classic 5x60 A4
					MEX Classic 5x50 A4	
620					MEX Classic 5x50 C1	
					MEX Classic 5x50 C1	
850-960				Exotic wood 45x70 mm	MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
900-1100					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
900-940					MEX Classic 5x50 A4	MEX Flat 5,5x50 A4
500-750					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
750-850					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
820-880					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
800-850					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
1200					MEX Classic 5x60 A4	MEX Flat 5,5x60 A4
560-750					MEX Classic 5x50 A4	MEX Flat 5,5x50 A4

# DECKING FROM EUROPEAN WOOD





# CZECH LARCH

i

*Czech larch comes from the Jeseniky foothills and parts of Silesia - Bruntal, Krnov and Opava regions. Larch wood from Czech forests is strong, flexible and proud of its class 3 durability for exterior use according to ČSN EN 350-2.*



# CZECH LARCH

## DECKING BOARD



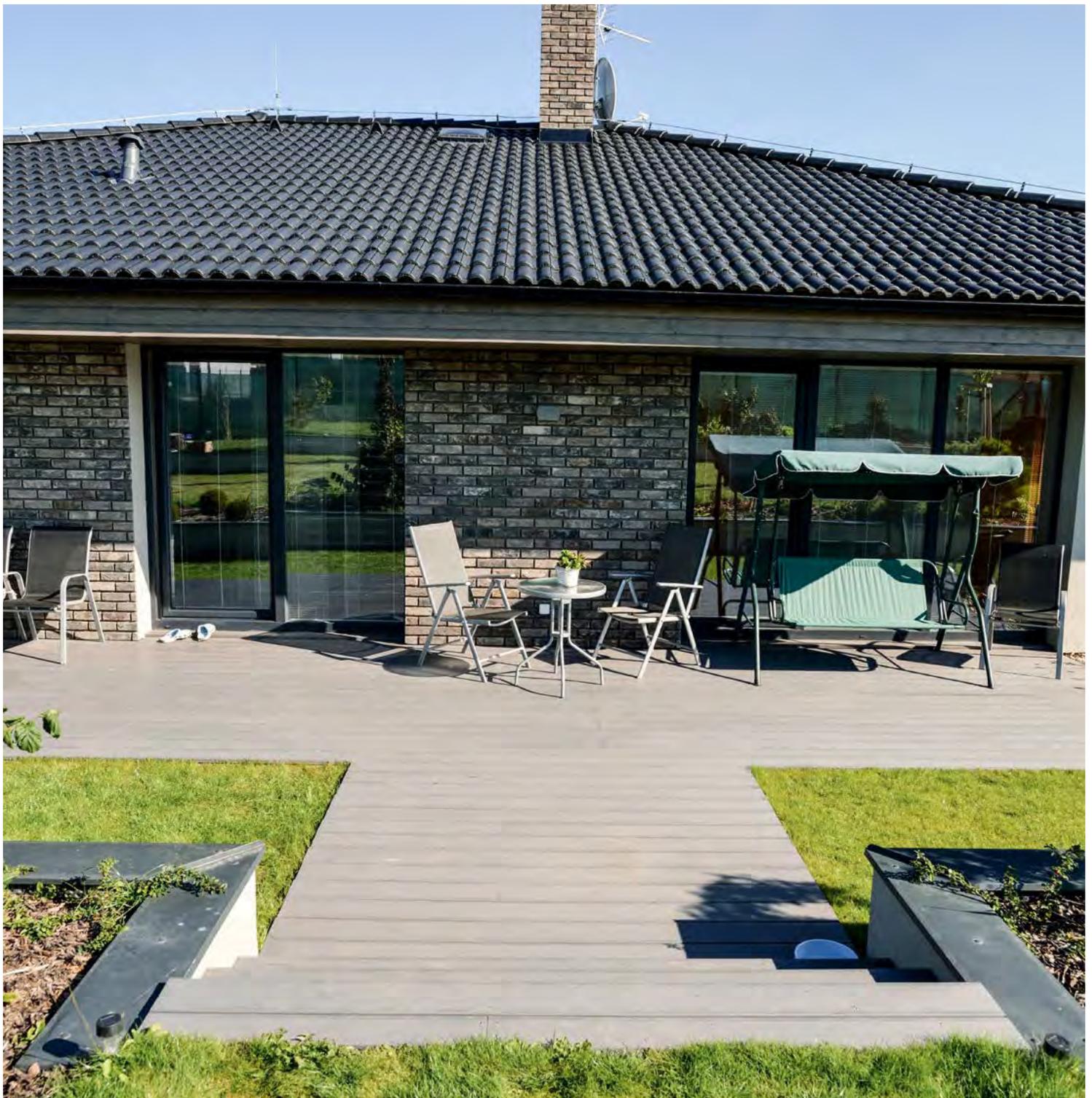
Face side = reeded on both sides  
Dimensions: 28 x 140 mm  
Length: 3 - 5 m



Face side = reeded on both sides  
Dimensions: 24 x 136 mm  
Length: 3 - 5 m



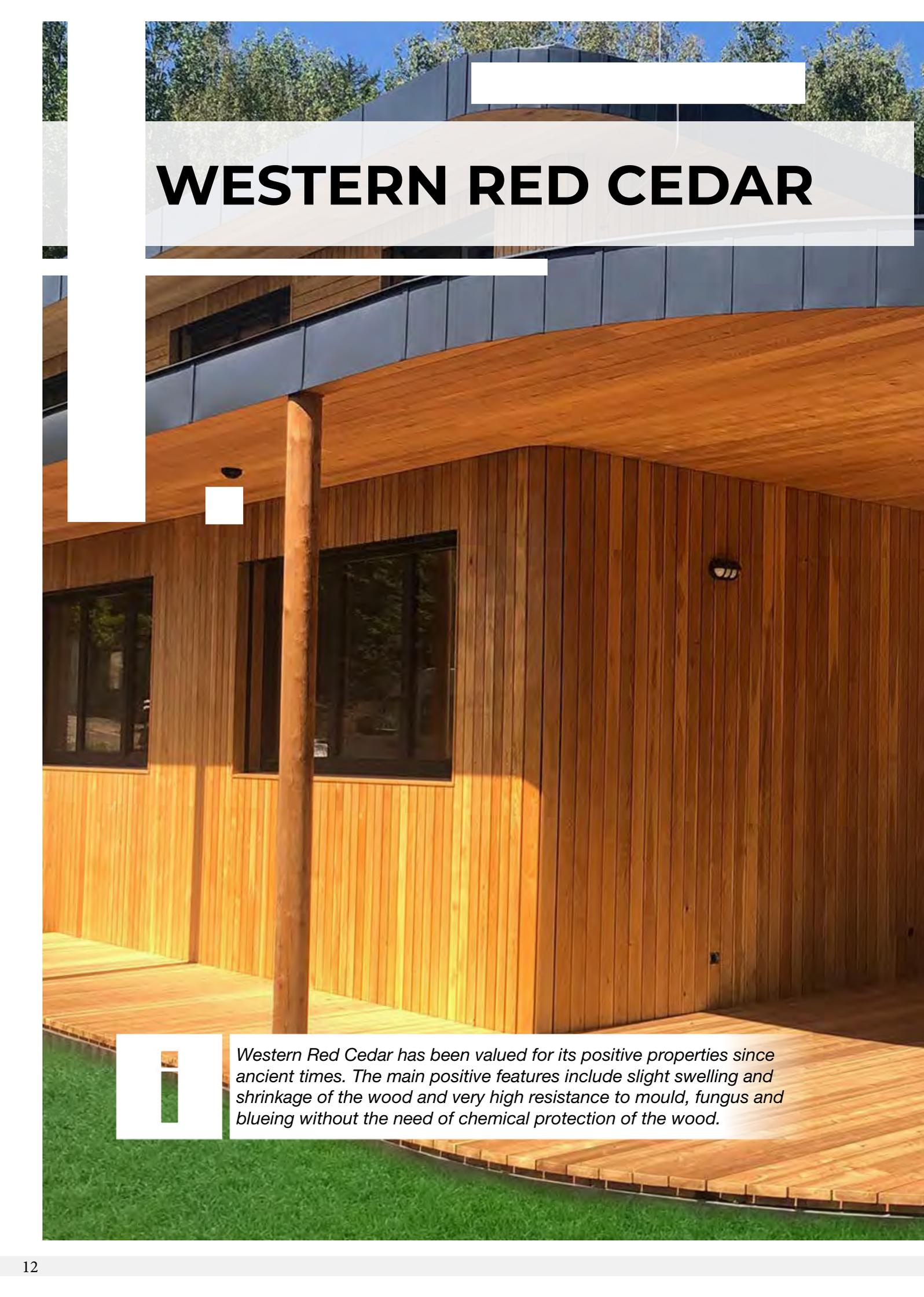
Face side = smooth  
Dimensions: 28 x 140 mm  
Length: 3 - 5 m

**DESCRIPTION:**

Colour: sapwood is yellowish white to reddish white, heartwood is reddish brown to dark reddish brown, darkening. Resin may ooze out in strong solar heat.

Usually there are about 11 species of larch (mainly from the cooler part of the temperate northern hemisphere), of which two are from Europe, only one species (*Larix decidua* = European larch) grows in the Czech Republic. The Latin name *deciduus* = deciduous. Larch tolerates harsh climates, but has increased requirements for soil fertility and fresh moisture. It can reach a height of up to 60 m and an age of 800 years. Larch is widespread in Central Europe - mainly in the Alps, the Carpathians, the South Polish hills and the Jesenic foothills. Larch is divided into 4 groups according to its occurrence: Alpine larch, Carpathian larch, Polish larch and Czech (Jesenic) larch. The current representation of larch in Czech forests is 3.9%. The wood from Czech larch is strong, flexible and, thanks to its density and the substances it contains, durable enough for long-term use in the exterior. It has a high durability in water - In the past it was used for water structures, water pipes, gutters. Larch heartwood is still used for shingles today. It is also valued as a construction and furniture timber.

**DENSITY OF WOOD:** approx. 550 kg/m<sup>3</sup>



# WESTERN RED CEDAR



*Western Red Cedar has been valued for its positive properties since ancient times. The main positive features include slight swelling and shrinkage of the wood and very high resistance to mould, fungus and blueing without the need of chemical protection of the wood.*



# WESTERN RED CEDAR

## DECKING BOARD



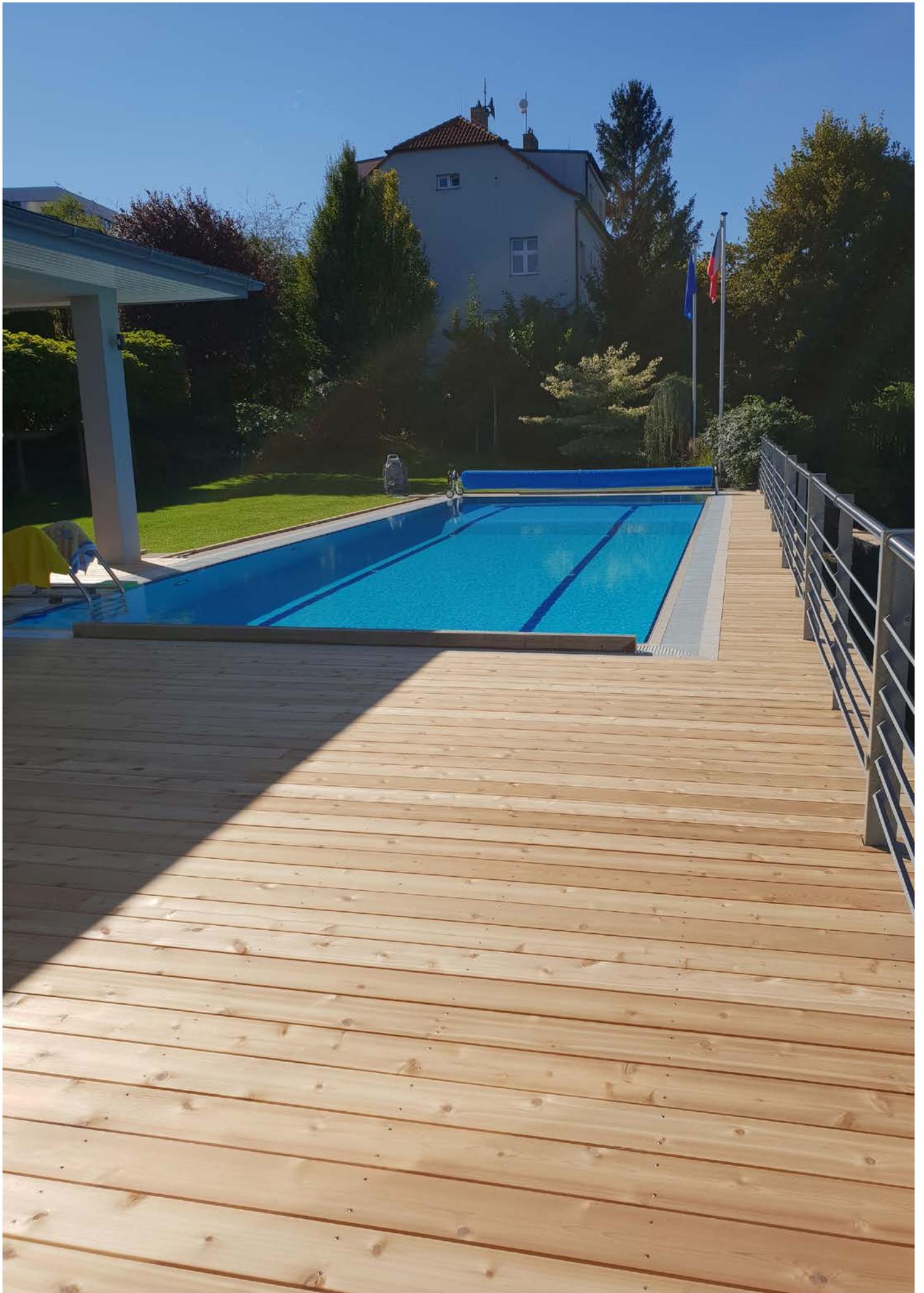
Face side = smooth  
Dimensions: 40 x 140 mm  
Length: 2,4 - 6,1 m

### DESCRIPTION:

Wood is whitish, sapwood is from 2 to 5 cm wide, heartwood is light reddish brown to reddish brown, often variable. After drying, this wood is moderately stable in shape, easy and clean to work with, it has an evenly smooth surface, it can be polished and surface treated as well. Depending on the production process, the moisture content of the wood is after delivery approx. 18-20 % for outdoor flooring timber. For Western Red Cedar it is particularly important to use non-corrosive fasteners for exterior constructions. Natural light greying after almost six months of exposure to the weather is normal and does not affect either quality or durability. Colour differences between individual boards are natural.

„Western Red Cedar is also known in nature as the ‚tree of life‘. Botanically, ‚Thuja plicata‘ belongs to the cypress family (Cupressaceae). Western Red Cedar grows in western North America from Alaska to California and then eastward to Montana. The knots-free trunks can grow up to 25 m. The trees can reach an age of up to 1000 years. The wood of the Western Red Cedar is relatively winter-resistant.

**DENSITY OF WOOD:** approx. 340-460kg/m<sup>3</sup>





# DECKING FROM THERMO WOOD



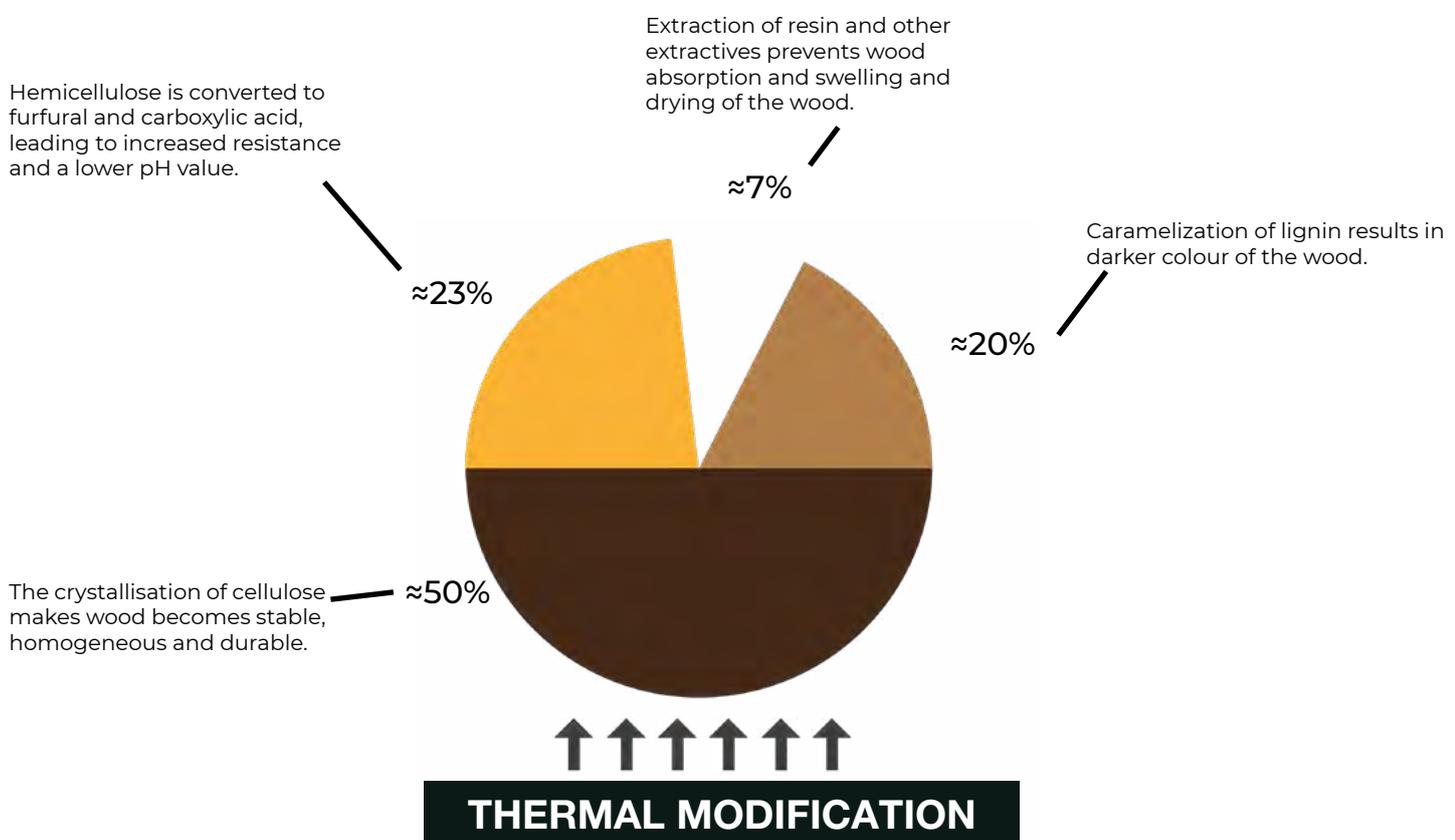
What is Thermowood -  
Youtube:



# Natural state of **THERMOWOOD**

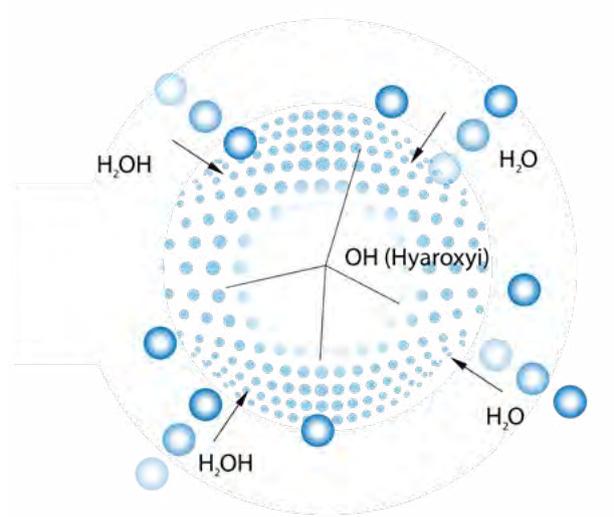
Why is thermally modified wood highly rated for its high stability and durability? Heat treatment increases the stability and durability of wood. Wood consists of 50% cellulose, 23% hemicellulose, 20% lignin and 7% are other organic compounds called extractives or tannins. Heat treatment removes the resin from the wood, all the extractive substances and also the OH (hydroxyl) binding water groups. This process reduces the water absorption of the wood, thereby increasing the resistance to rot and at the same time reducing swelling and shrinking of the wood. Another contributing factor to the high durability of wood is the crystallisation of cellulose. The change in hemicellulose increases the durability of the wood. Hemicellulose splits into furfural\* and carboxylic acid. Heat-induced caramelization of lignin results in darker appearance of the wood.

\* furfural - an organic compound contained in hemicellulose

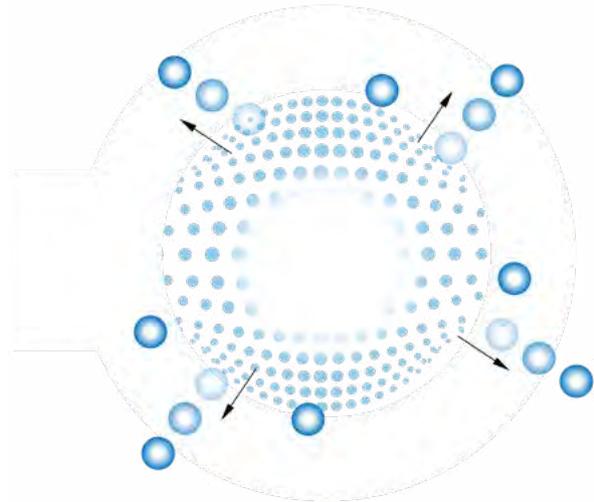


# THERMOWOOD PROCESS

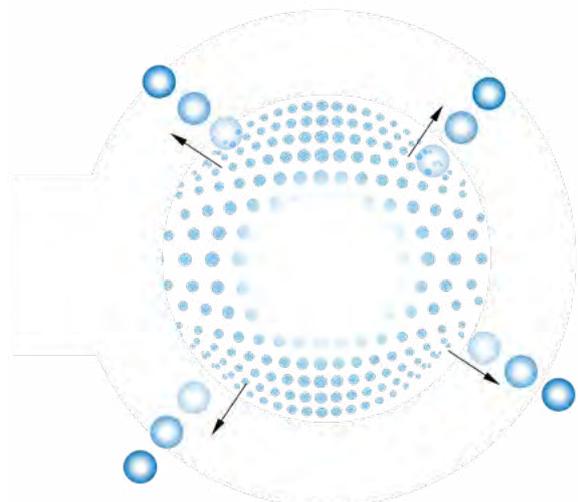
H<sub>2</sub>O and OH move inside the wood.



By regular drying (up to 90°C), the cell of the wood releases free water.



Through the thermowood process (212°C) the relative humidity (OH) is released from the cell and the working tendency of the wood is minimized.





# THERMOWOOD PINE

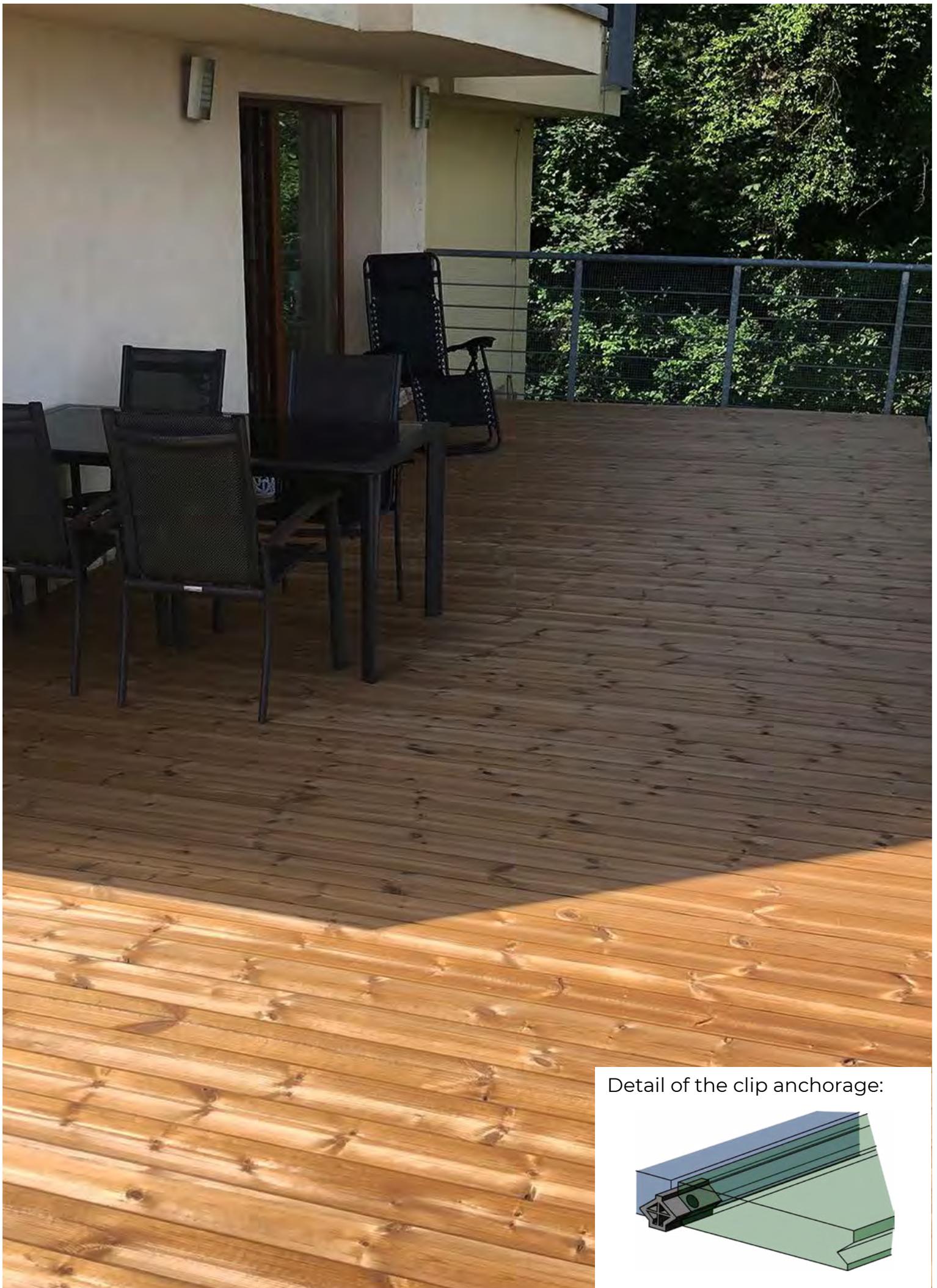
i

*Thermowood pine is dimensionally stable, durable and eco-friendly wood. Due to the thermowood treatment, the wood gains significantly better dimensional stability, which results in reduced shrinkage and swelling. At the same time, it shows increased resistance to rot and mould.*

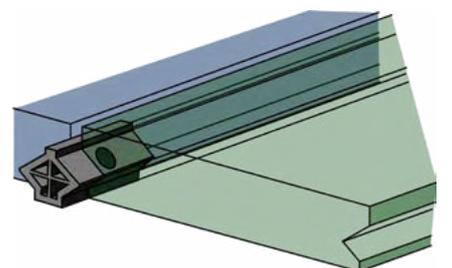


Decking installation  
on YouTube:





Detail of the clip anchorage:



# THERMOWOOD PINE

## DECKING BOARD



Face side = smooth  
Dimensions: 26 x 117/118 mm  
Length: 1,8 - 6 m



Face side = smooth  
Dimensions: 26 x 138/140 mm  
Length: 1,8 - 6 m



Face side = reeded  
Dimensions: 26 x 138/140 mm  
Length: 1,8 - 6 m

### DESCRIPTION:

Dimensionally stable, durable and completely eco-friendly wood. The wood has a slightly resinous heartwood of light reddish-brown colour. Annual rings are very well defined, resin channels are visible on all sections (cross-section and longitudinal). The heat treatment produces a darker shade of wood (the heat modification process is described below). The Thermowood pine we supply is manufactured using the WTT method, which uses heat treatment of the wood at 212°C. No chemicals are used in the heat treatment process. Only a little water is needed to start the process. The rest takes place by gradually increasing the temperature inside the pressurized chamber (using a pressure of 7 to 9 bar). The gradual heating of the wood releases the moisture and creates a steam-filled environment that ensures even colouring and finishing of the wood. This process makes the wood completely eco-friendly and poses no threat to the surrounding fauna and flora. An important part of the WTT process is that the wood is never dried to 0% during the treatment, but to 6-8%. The residual moisture level remains at 10- 12%. This is the final moisture content for Thermowood. Modern technology controls the entire process and an even finish throughout the entire cross-section is guaranteed. Because of this treatment, the pine changes its original natural light yellow shade to a natural darker colour. The timber gains significantly improved dimensional stability, which reduces warping, swelling and subsequent shrinkage of the wood. Dimensional changes are eliminated by up to 60%. The wood shows increased resistance to rot and mould, as well as improved insulation properties.

**DENSITY OF WOOD:** approx. 450 kg/m<sup>3</sup>

# THERMOWOOD PINE CLIP

## DECKING BOARD



CLIP  
Face side = smooth  
Dimensions: 26 x 117/118 mm  
Length: 1,8 - 6 m



CLIP  
Face side = grooved  
Dimensions: 26 x 118 mm  
Length: 1,8 - 6 m



CLIP  
Face side = smooth  
Dimensions: 26 x 140 mm  
Length: 1,8 - 6 m

## CONNECTING DECKING BOARDS WITHOUT VISIBLE SCREW HEADS

Optimized clips for Thermowood pine clip profiles.  
Made of special hardened PVC material, which guarantees resistance to all weather conditions.



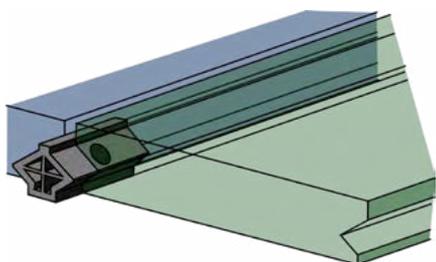
- CLIP\**
- uniform expansion between boards
  - quick installation
  - recommended screw MEX Classic C1 5x50 mm



- CLIP 2\**
- uniform expansion between the planks
  - double-wing construction ensures lifting 5 mm from the supporting structure
  - air circulation under the terrace
  - recommended screw MEX Classic C1 5x50 mm



Detail of the Clip\* anchorage:



Detail of the Clip 2\* anchorage:



# THERMOWOOD ASH



i

*Ash trees are thriving all over Europe. Ash offers an interesting wood structure with almost no knots. Thermowood ash is eco-friendly, durable and dimensionally stable wood. It is highly mould resistant, it has exceptional durability, incomparable stability and a beautiful rich colour.*



Installation of decking  
on YouTube:



# THERMOWOOD ASH / ASH CLIP

## DECKING BOARD



Face side = smooth  
Dimensions: 20 x 140 mm  
Length: 0,8-3 m

*We take out of storage only 20% of the length up to 1 m and 80% of the length 1 - 3 m*



CLIP  
Face side = smooth  
Dimensions: 20 x 115 mm  
Length: 0,8-3 m

*We take out of storage only 20% of the length up to 1 m and 80% of the length 1 - 3 m*



CLIP  
Face side = grooved  
20x140 mm

*Length 0,8-3 m - we take out of storage only 20% of the length up to 1 m and 80% of the length 1 - 3 m*



CLIP  
Face side = smooth  
Dimensions: 20 x 140 mm  
Length: 0,8-3 m

*We take out of storage only 20% of the length up to 1 m and 80% of the length 1 - 3 m*

## CONNECTING DECK BOARD WITHOUT VISIBLE SCREW HEADS

Optimized clips for Thermowood ash clip profiles.  
Made of special hardened PVC material, which guarantees resistance to all weather conditions.



CLIP\*

- uniform expansion between boards
- quick installation
- recommended screw MEX Classic C1 5x50 mm



CLIP 2\*

- uniform expansion between the planks
- double-wing construction ensures lifting 5 mm from the supporting structure
- air circulation under the terrace
- recommended screw MEX Classic C1 5x50 mm

**DESCRIPTION:**

Thermowood ash is produced at a temperature of 212 °C by a computer-controlled method in a special furnace where thermo-treatment takes place. This process uses only heat and steam. This heat treatment process, changes every fibre down to the core. The thermally treated ash has an exotic brown colour. Our Select grading guarantees great quality and visually excellent workmanship. The double endless joint on the cross side of the boards allows easy and quick installation with a locked double joint and minimal pruning, which leads to significant material savings.

**ENVIRONMENT**

No chemicals of any kind are used in the various processing operations.

**DURABILITY**

Heat treatment increases the resistance of the wood to weather conditions and it prevents rot and fungal attack.

**DIMENSIONAL STABILITY**

Deformation, swelling or subsequent shrinkage of the wood is reduced by up to 60%. The heat treatment essentially stops moisture fluctuations.

**DENSITY OF WOOD:** approx. 620kg/m<sup>3</sup>

# CLEANING, CARE AND MAINTENANCE

Decking cleaning  
on YouTube:





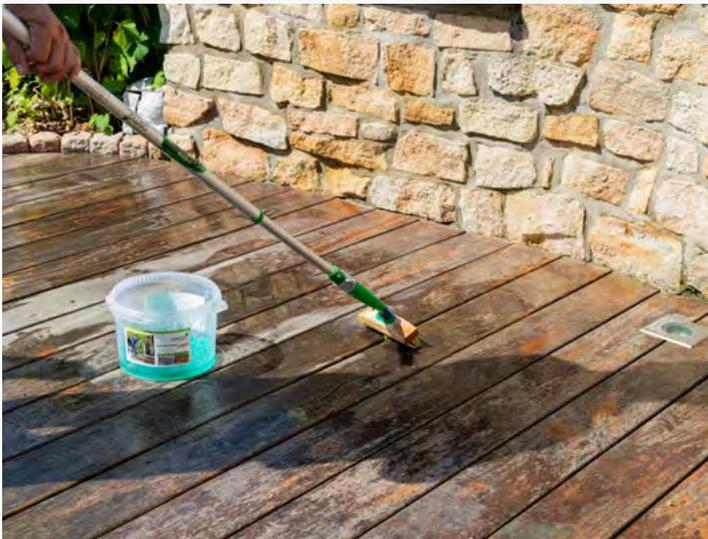
1

Remove sand, dust, leaves and other loose impurities by sweeping the boards thoroughly.



2

If the wood is grey, revive its natural colour again with Osmo Wood Reviver No. 6609 in the form of a thick gel. First, however, moisturize the wood.



3

Then evenly apply a thick gel in the direction of the boards and leave it there for about 20 minutes.



4

Brush the wood with Osmo Brush for cleaning deckings in 150 mm width or with a machine for cleaning deckings - afterwards rinse the surface with plenty of water.



5

Let the decking dry for at least 48 hours. Then the the surface is ready for a new coat of Osmo Decking Oils.



6

Osmo Decking Oils will smooth the surface of the wood, which will repel water and dirt. First, mix the decking oil thoroughly with a stirring stick.



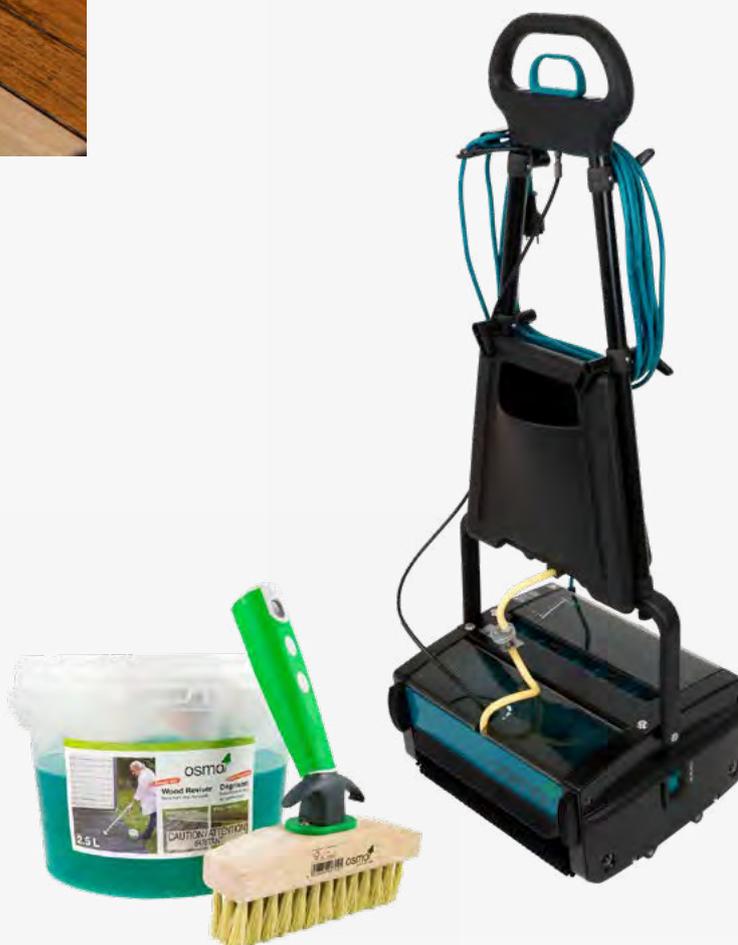
7

Pour a little of the mixed oil into the paint tub (included in the Osmo Decking Kit).



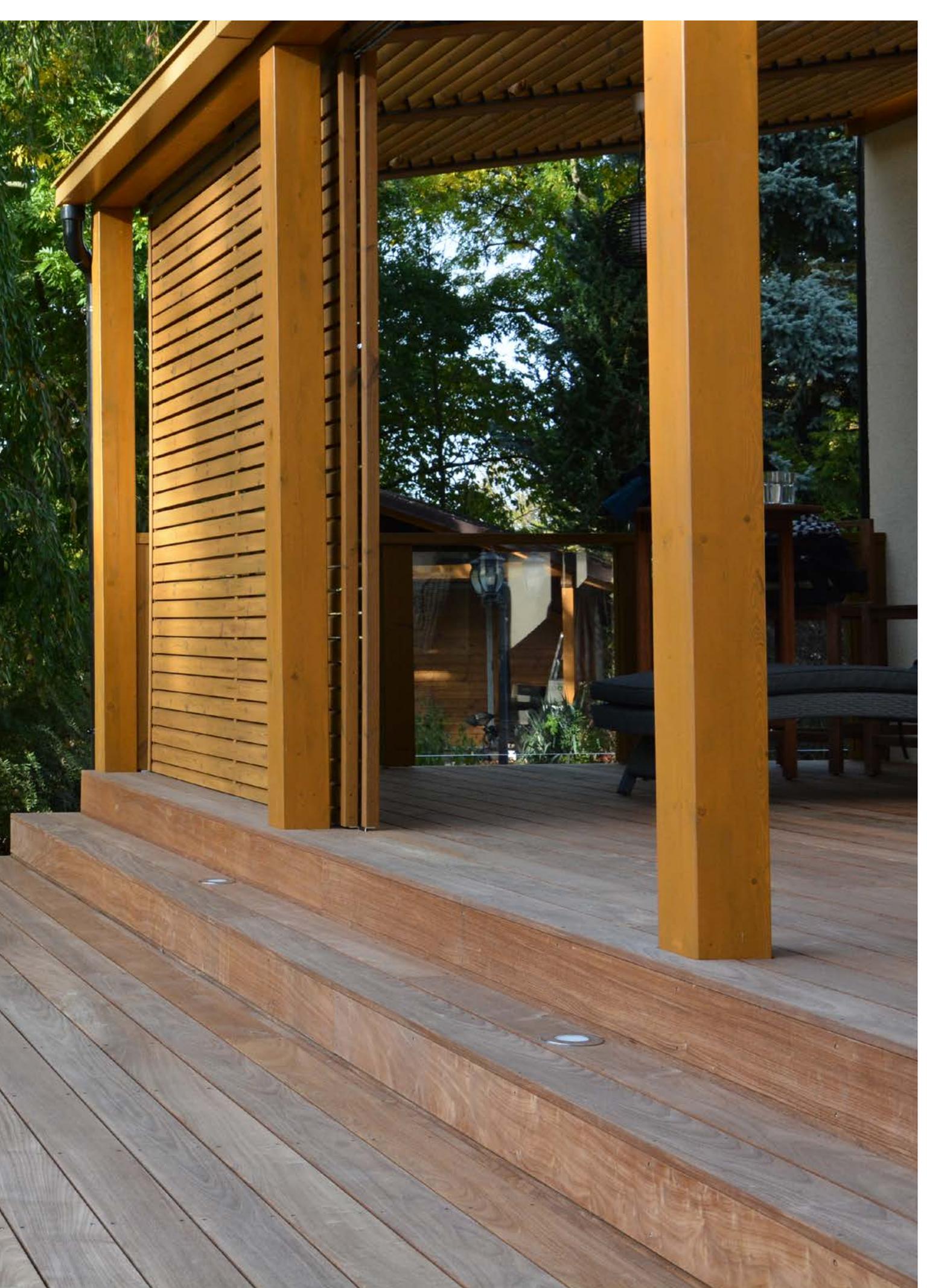
8

Paint the wood evenly in the direction of the boards. After about 12 hours of drying, it is possible to add 2nd coat.





# DECKING FROM EXOTIC WOOD



A photograph of a modern building's exterior featuring a wooden deck. The building has a grey facade with large glass windows and doors. A person is visible through one of the glass doors. In the foreground, there is a small outdoor seating area with a white round table and two green chairs. A wooden planter box with some greenery is also visible on the deck. The background shows a cityscape with a prominent building with a red-tiled roof under a blue sky with light clouds.

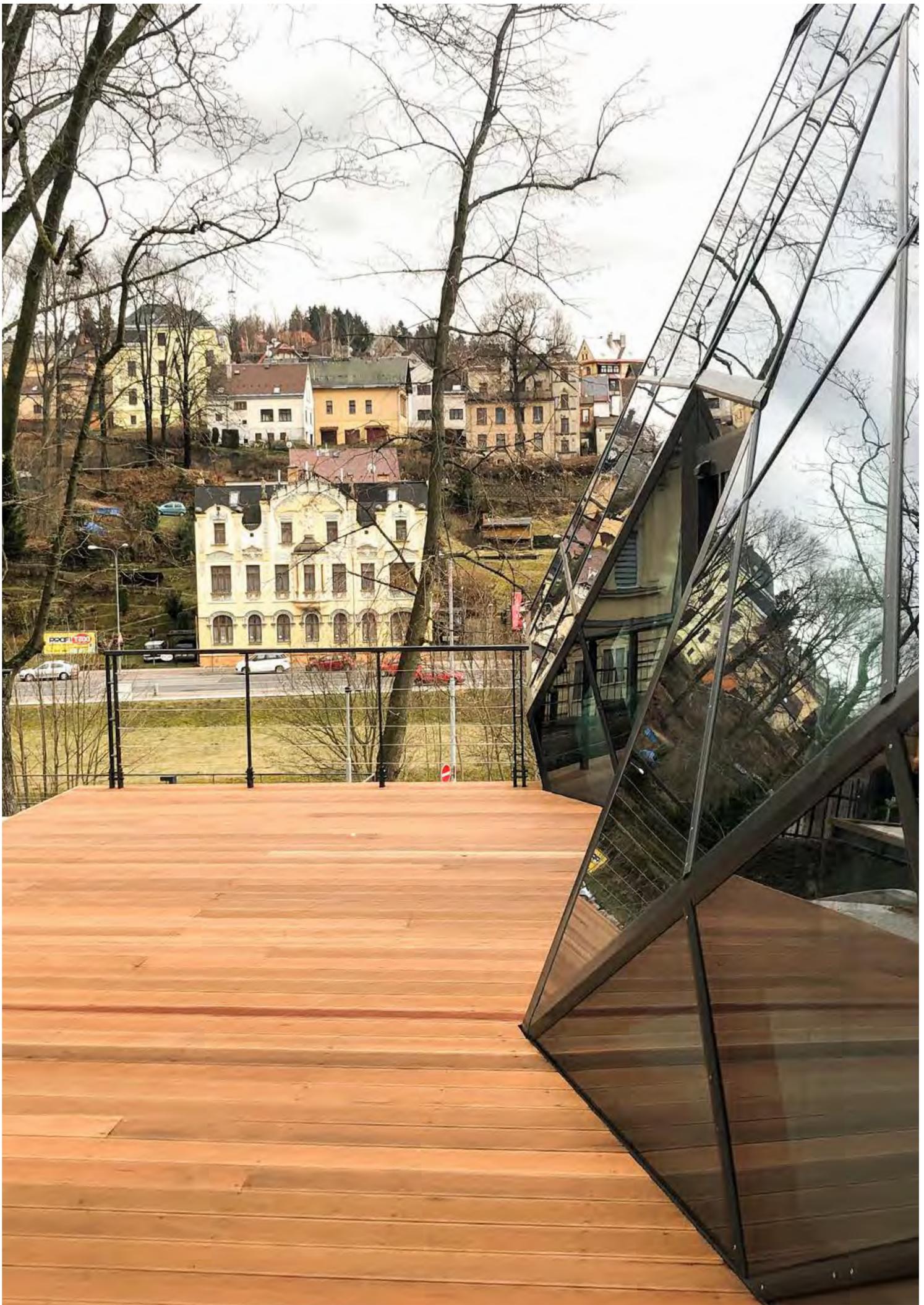
# BANGKIRAI

YELLOW BALAU



*Bangkirai wood is one of the most popular species used for decking and is generally described as strong and very hard.*





# BANGKIRAI

## DECKING BOARD



Bangkirai Yellow Balau is a wood from Asian countries such as Burma, Thailand, Laos, Vietnam, Cambodia, Malaysia, Philippines and Indonesia.

### **DESCRIPTION:**

The heartwood has a yellowish-brown to greenish appearance when fresh, but it often darkens to olive brown. Colour differences between individual boards are natural and usual. As one of the hardest woods, Bangkirai Yellow Balau is highly resistant to mould and insect. The annual rings are not noticeable. The wood is very hard and long lasting due to its high density and the substances it contains. This is why Bangkirai is one of the most popular woods for decking.

**DENSITY OF WOOD:** approx. 850-960kg/m<sup>3</sup>

# MASSARANDUBA



*Massaranduba is a wood coming from South America. It is an exceptionally fine, evenly textured wood with a purplish reddish-brown colour occurring in different shades.*



# MASSARANDUBA

## DECKING BOARD



Face side = reeded  
Dimensions: 21 x 90 mm  
Length: 1 - 6 m



Face side = reeded  
Dimensions: 21 x 140 / 145 mm  
Length: 1 - 6 m



Face side = reeded  
Dimensions: 25 x 145 mm  
Length: 1 - 6 m

### DESCRIPTION:

This exceptionally fine, evenly textured and straight-grown wood has a purplish reddish-brown colour with varying shades. The colour variations between the different decking boards are natural and usual. The wood is very hard and long-lasting due to its high density and the substances it contains. These oily substances can be washed away by rain during the first exposure to weather conditions. As this wood is harder than average, it must always be pre-drilled when joining with stainless steel screws. There is a significant difference between tangential and radial drying of Massaranduba wood, and it is therefore important that the basic rules of installation are followed for the correct functionality of a terrace made of this wood. For the substructure, only wood of the same or similar density as the underlying timber should be used for even swelling and shrinkage.

**DENSITY OF WOOD:** approx. 900 - 1100kg/m<sup>3</sup>





# JATOBA

i

Jádrové dřevo je červenohnědé barvy s jemným až středně výrazným žilkováním, které má barvy od purpurově hnědé přes oranžově hnědou až po tmavě červenohnědou. Bělové dřevo je jasně odlišené, bělavé až nažloutlé. Textura je střední, vlákna jsou přímá nebo mírně propletená. Dřevo se při opracování vyznačuje vyšší tupostí nástrojů. Vyskytuje se zejména v Amazonii, na severu a v centrální části Brazílie, dále v Bolívii, Peru, Venezuele, Kolumbii, Guayaně, Surinamu a až po sever Argentiny a Paraguaye.





# JATOBA

## DECKING BOARD



Face side = smooth  
Dimensions: 21 x 145 mm  
Length: 0,8 - 6 m

### POPIS:

Jádrové dřevo je červenohnědé barvy s jemným až středně výrazným žilkováním, které má barvy od purpurově hnědé přes oranžově hnědou až po tmavě červenohnědou. Bělové dřevo je jasně odlišené, bělavé až nažloutlé. Textura je střední, vlákna jsou přímá nebo mírně propletená. Dřevo se při opracování vyznačuje vyšší tupostí nástrojů. Dřevo Jatoba obsahuje vyšší množství extraktivních látek, které mohou být při vystavení povětrnostním vlivům vyplavovány. Při instalaci je proto nutné dbát na zajištění odvodu dešťové vody a vhodnou konstrukční ochranu, aby se minimalizovalo riziko znečištění přilehlých ploch.

**HUSTOTA DŘEVA :** ca 940 kg/m<sup>3</sup>

# BUKIT

A photograph of a wooden lounge chair on a deck. The chair is made of light-colored wood with a slatted back and seat. It is positioned on a deck made of dark wood planks. In the background, there is a large window with a wooden frame, reflecting the outdoor scene. A potted plant is visible on the windowsill. The overall scene is bright and sunny.

i

*Bukit is a timber originating mainly from Malaysia and from the moist evergreen tropical forests of the lower and higher elevations of Southeast Asia. It is found in Thailand, Laos, Cambodia, Vietnam, Malaysia, Borneo, Sumatra and the Philippines.*



# BUKIT

## DECKING BOARD



Face side = smooth  
Dimensions: 18 x 140 mm  
Length: 1,8 - 4,8 m



CLIP  
Face side = grooved  
Dimensions: 28 x 145 mm  
Length: 2,4 - 4,5 m

### DESCRIPTION:

Bukit heartwood has a yellowish-brown to greenish appearance when fresh, often with white to gray stripes. Bukit wood belongs to the category of medium-heavy woods. The wood's annual rings and grain are hardly visible. Drying makes the decking wood more stable and dimensionally stable. When fresh, the heartwood has a reddish-brown to brown hue. The colour differences between the individual boards are natural and usual. The heartwood, which does not always get rid of its lighter whiteness, is highly resistant to mould and insect. The wood is very hard and long-lasting due to its high density and the substances it contains. In order to ensure the correct functionality of the terrace, it is absolutely necessary to follow the basic rules of decking installation and to create a sufficiently stable substructure. Only wood of the same or similar density as the underlying timber should be used for the substructure to ensure even swelling and shrinkage.

**DENSITY OF WOOD:** 500 - 750 kg/m<sup>3</sup>





# MERBAU



*It grows individually in evergreen and dry tropical forests. Commonly found in lowland coastal forests in India-Malaya region of Southeast Asia.*





# MERBAU

## DECKING BOARD



Face side = reeded  
Dimensions: 25 x 145 mm  
Length: 1,8 - 4,5 m



Face side = smooth  
Dimensions: 22 x 140 mm  
Length: 1,8 - 3,9 m

### DESCRIPTION:

Merbau decking is supplied air-dried with a humidity of approx. 20%. The heartwood is brownish grey to dark reddish brown with various shades. The colour differences between the individual boards are natural and usual. The annual rings are not noticeable and the wood is odourless. If the timber is exposed to the outdoors, there may be small cracks and splits at the ends of the boards due to the alternation of relative humidity. This wood contains a high resin content, which shows a golden yellow veining. The wood is very hard and long lasting due to its high density and the substances it contains. These oily substances can be washed away by rain during the first exposure to weather conditions. In order for a wooden terrace to function properly, it is absolutely essential to follow the basic rules for decking installation and creating a sufficiently stable structure. Only wood of the same or similar density as the underlying timber should be used for the substructure for even swelling and shrinkage.

**DENSITY OF WOOD:** 750-850 kg/m<sup>3</sup>



# GARAPA

i

*Garapa wood, also called Brazilian ash, is a deciduous wood with a high durability. It mainly comes from South America, Brazil.*



# GARAPA

## DECKING BOARD



Face side = reeded  
Dimensions: 25 x 145 mm  
Length: 1,8 - 4,8 m



Face side = grooved  
Dimensions: 25 x 145 mm  
Length: 1,8 - 4,8 m



Face side = smooth  
Dimensions: 21 x 145 mm  
Length: 2,4 - 4,5 m



Face side = smooth  
Dimensions: 21 x 90 mm  
Length: 0,9 - 4,8 m



Face side = reeded  
Dimensions: 21 x 145 mm  
Length: 1,8 - 4,8 m

### DESCRIPTION:

The heartwood ranges from yellow, to beige to light brown, gradually darkening to brown. The sapwood is yellowish white. In different angles of light the shade appears to go from light to dark colour. Even texture with a smooth surface and a slight natural gloss. The high silicon content can cause tools to dull more quickly during processing and therefore the wood must always be pre-drilled when joining with stainless steel screws.

**DENSITY OF WOOD:** 820-880 kg/m<sup>3</sup>



# TATAJUBA

**i**

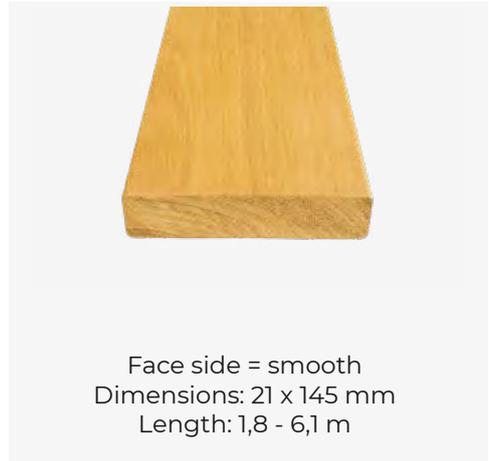
*Tatajuba je mimořádně tvrdá a přirozeně odolná exotická dřevina, která skvěle zvládá vlhkost, hnilobu i škůdce. Díky tomu je ideální volbou pro venkovní dřevěné terasy s dlouhou životností a minimální údržbou. Její původ je v Jižní a Střední Americe, její domovinou je zejména Brazílie, Guyana a Surinam.*





# TATAJUBA

## DECKING BOARD



### POPIS:

Roste na území celé střední a Jižní Ameriky.

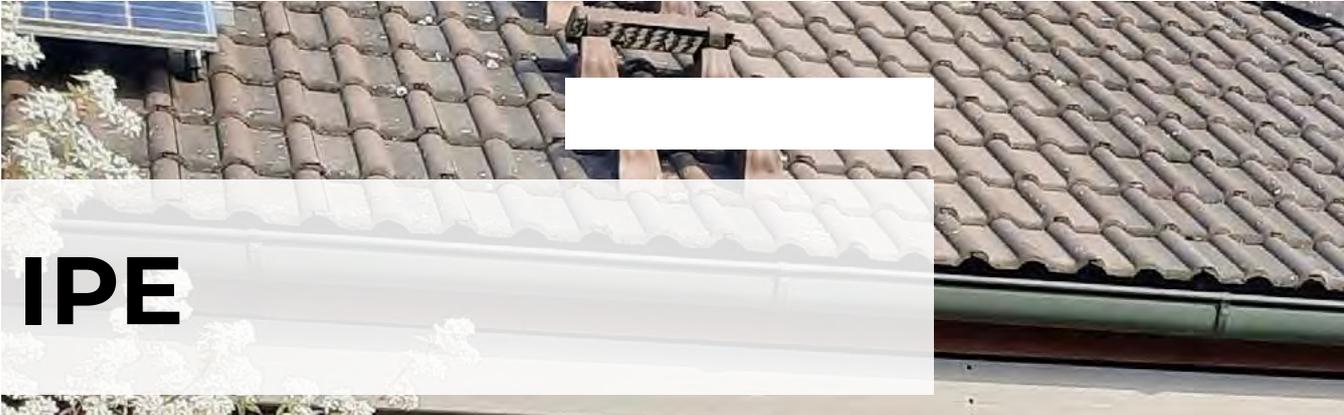
Žlutá dřevina, po vystavení světlu rychle tmavne do hnědé barvy. Často má nápadný zlatavý lesk.

Při opracování vykazuje střední otupující účinek. Je nutné předvrtání. Někdy vlivem střídavé točitosti vláken pruhovaná v radiálním řezu, nebo vlivem nepravidelného růstu pestrá textura. Tatajuba dřevo je velmi bohaté na podíl tříslovin.

Je velmi odolné vůči houbám a je odolné vůči suchomilným dřevokazným houbám.

Vzhledem k vysokému obsahu křemíku tato dřevina přirozeně pokrývá biologickou třídu použití 5 (konečné použití v mořském prostředí nebo ve slané vodě je bez problémů možné).

**HUSTOTA DŘEVA:** 800 kg/m<sup>3</sup>



# IPE



**i** *Ipe occurs discontinuously in South and Central America and also in Caribbean region. It is mostly known as Ipe, but it is also known as lapacho or ironwood.*



# IPE

## DECKING BOARD

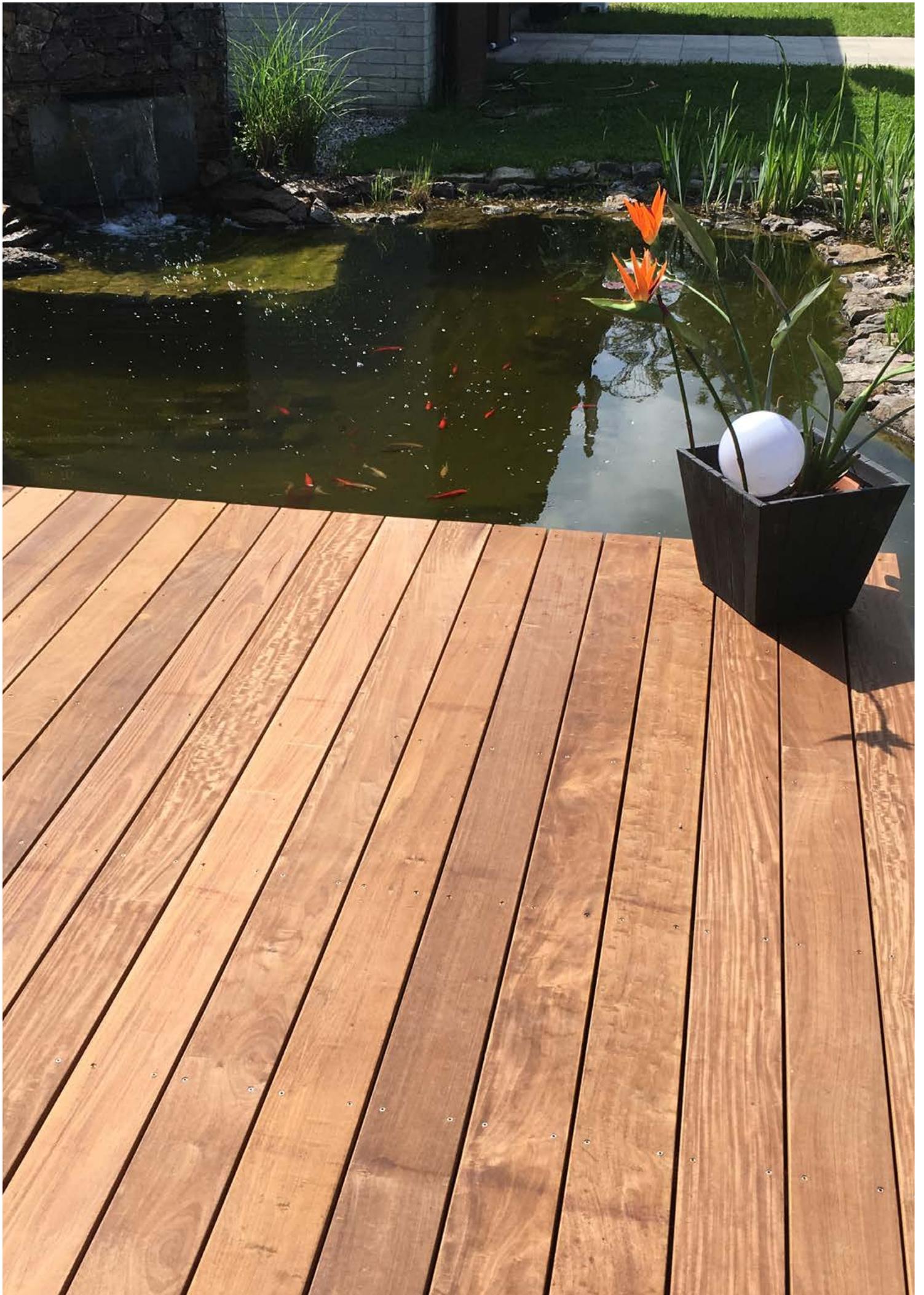


Face side = smooth  
Dimensions: 21 x 145 mm  
Length: 1 - 6,1 m

### **DESCRIPTION:**

In Ipe, the greyish to reddish white sharply shades into light olive greenish brown heartwood darkening into greenish brown. The wood is intermittently streaked to mottled in the radial section and a little glossy. As this wood is harder than average, it must always be pre-drilled when joining with stainless steel screws. Fine grooves on longitudinal edges with light yellow colour (Lapachol).

**DENSITY OF WOOD:** 1200 kg/m<sup>3</sup>



A close-up photograph of a teak wood floor, showing the natural grain and texture of the wood planks. The planks are arranged in a parallel pattern, and the lighting creates soft shadows and highlights across the surface.

# TEAK



*Teak comes from Burma, but it also grows in India, Thailand, Indonesia and Java. It has also spread partly to Malaysia, Borneo, Philippines, tropical Africa and Central America.*



# TEAK

## DECKING BOARD



### END-MATCH

Face side = smooth  
Dimensions: 20 x 120 mm  
Length: 0,8-2,5 m  
- we load only 20% of lengths up to 1m and 80% of 1 - 2.5m



### END-MATCH

Face side = smooth  
Dimensions: 20 x 90 mm  
Length: 0,8-2,5 m  
- we load only 20% of lengths up to 1m and 80% of 1 - 2.5m

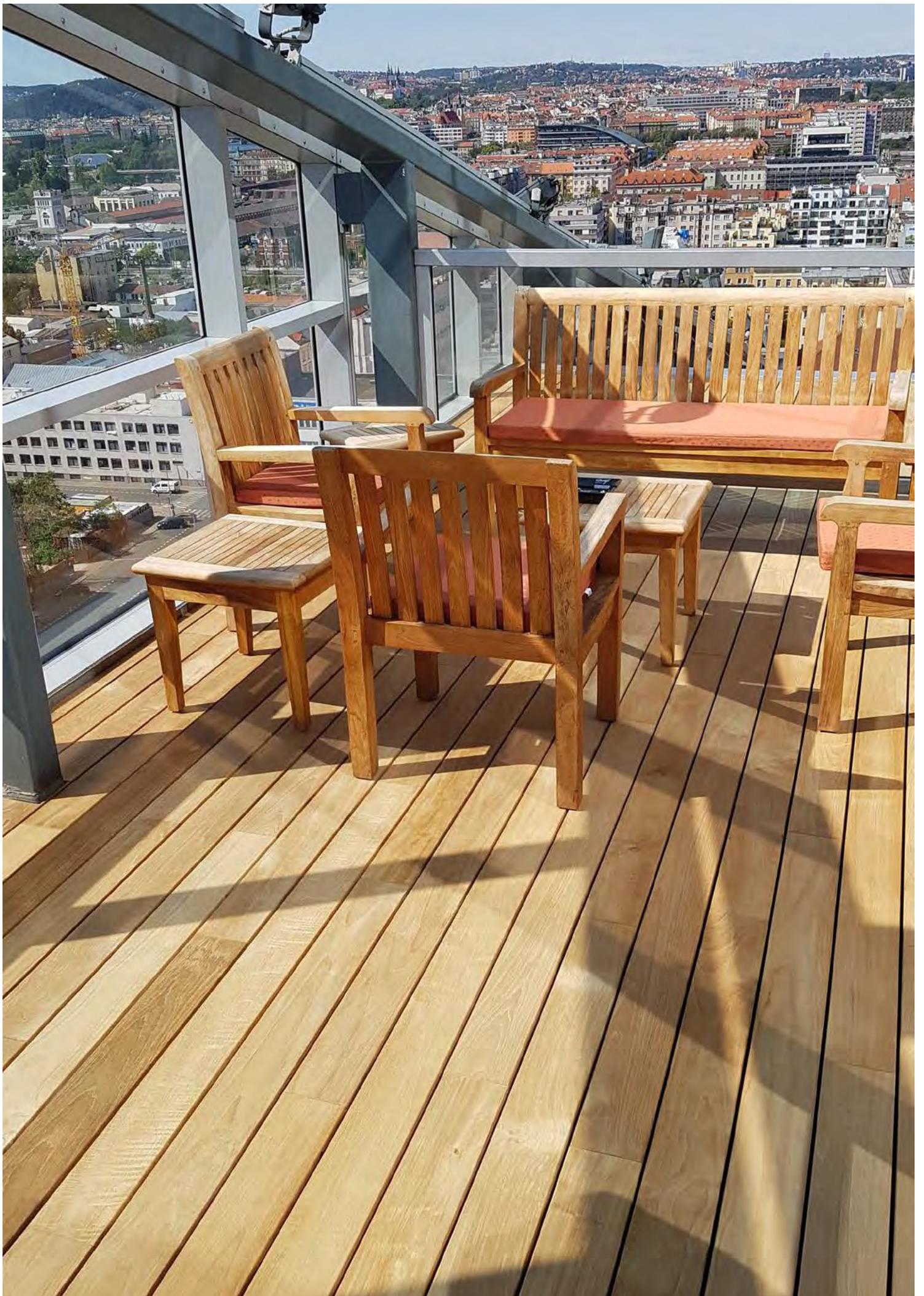


*Connection details*

### DESCRIPTION:

Teak certainly deserves its excellent reputation for strength, durability, stability in various weather conditions and excellent decorative appearance. The colour-variable heartwood (golden yellow, yellow-brown, brown-green) later darkens to brown tones, often with dark brown or black veining (stripes 2-8 mm wide). The wood is oily on the surface and contains oily resins.

**DENSITY OF WOOD:** ca 560-750 kg/m<sup>3</sup>



# UNDERCONSTRUCTION AND ADJUSTABLE PEDESTALS AND FASTENERS





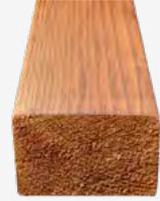
# UNDERCONSTRUCTION



Czech larch  
Dimensions: 45 x 100 mm  
Length: 2 - 6 m



Czech larch  
Dimensions: 45 x 70 mm  
Length: 2 - 5 m



Pine with brown pressure impregnation  
Dimensions: 45 x 70 mm  
Length: 2,10 - 5,10 m



Thermo pine  
Dimensions: 42 x 65/68 mm  
Length: 1,8 - 5,1 m



Thermo pine  
Dimensions: 42 x 92 mm  
Length: 2,1 - 5,1 m



Exotic wood  
Dimensions: 45 x 70 mm  
Length: 1 - 6,1 m



Exotic wood  
Dimensions: 42 x 68 mm  
Length: 1,8 - 5 m



Exotic wood  
Dimensions: 90 x 90 mm  
Length: 1,8 - 5 m



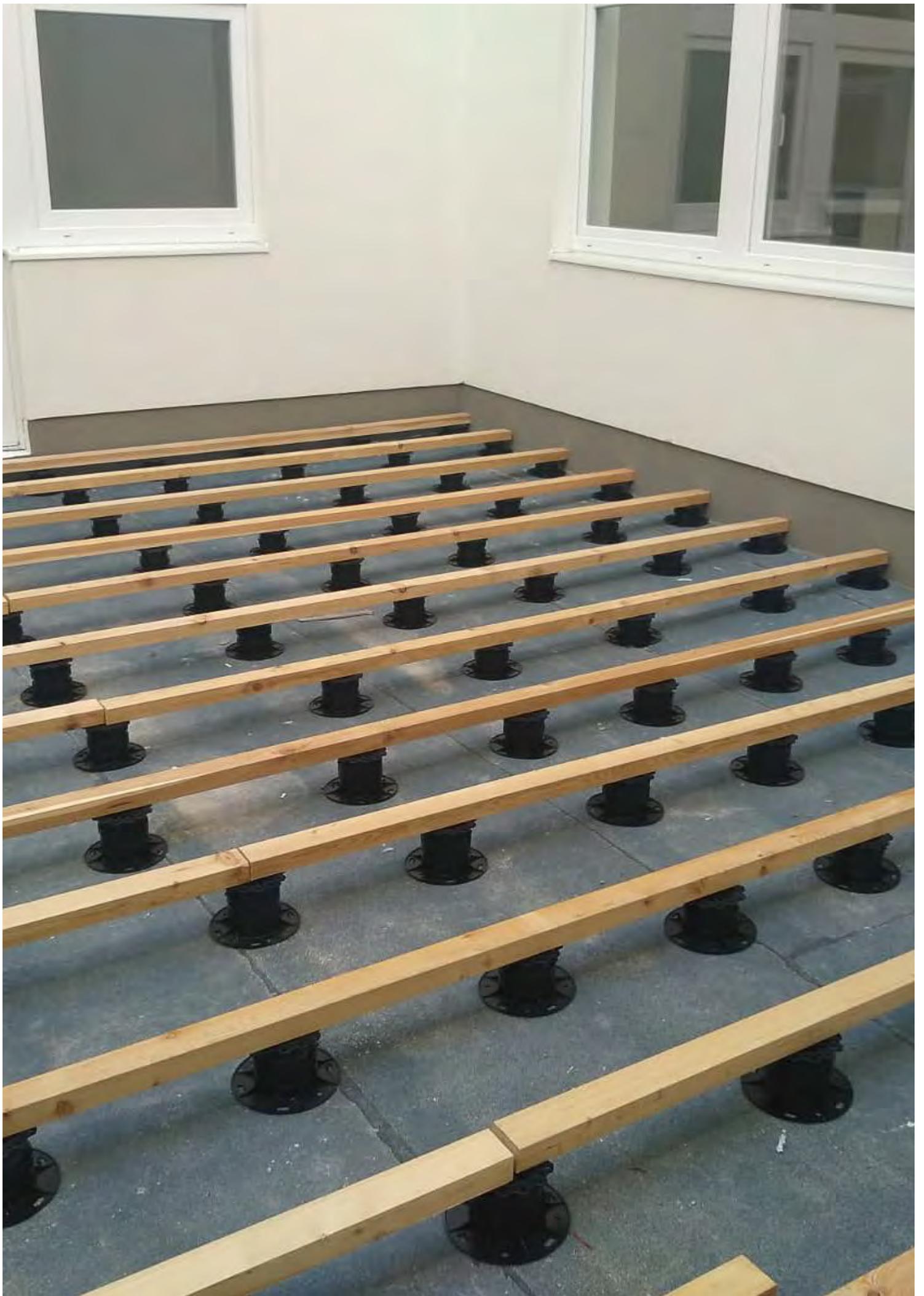
Aluminium profile  
Dimensions: 40 x 60 mm  
Length: 4 m



Aluminium profile  
Dimensions: 20 x 50 mm  
Length: 4 m



Aluminium profile  
Dimensions: 40 x 70 mm  
Length: 4 m



# ADJUSTABLE PEDESTALS

## APF SERIES



**APF-10-CW3**

(with CW3 Carcas profile)  
10-15 mm (it can be increased to  
a height of 20 mm with KA-PFB-05)



**KA-PFB-05**

thickness 5 mm intended  
for APF series

## AP SERIES



**AP-21-27**



**AP-27-40**



**AP-40-64**

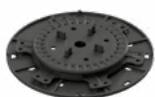


**AP-64-110**



**AP-110-202**

## APS SERIES



**APS-21-27**



**APS-27-40**



**APS-40-64**



**APS-64-110**



**APS-110-202**

APS SERIES

Smooth target head adapted for variable use for:



Spacer  
for paving S3



Clamping profile  
for wooden terraces CW3



APS-21-27



APS-27-40



APS-40-64



APS-64-110



APS-110-202

APF13 SERIES



APF-13  
solid fixed joint

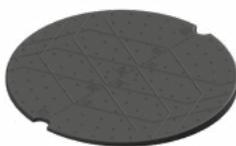


Leveling pad for fixed  
joint APF 13 1 mm



Leveling pad for fixed  
joint APF 13 3 mm

KA-PC



**KA-PC**  
bottom base pad with a 2° slope for  
sound and vibration damping

KA-EX SERIES



**KA-EX 100**  
extends the height by another  
100 mm

# TERASOVÁ ÚCHYTKA PRO NEVIDITELNÉ PŘIHOJENÍ TERASOVÝCH PRKEN

Nejpoužívanější terasová úchytka hodící se pro všechny terasy do tloušťky 25mm (pro exotické terasy s výjimkou dřevin Massaranduba a Bangkirai ) nebo 28mm (pro modřínové terasy) které jsou uměle sušené.

Tato terasová úchytka je vhodná pro terasy se šířkou prken 120-145 mm. Dodává se v balení po 200 ks a součástí je 800 ks vrtů z ušlechtilé oceli vytvrzené, tzn. ke každé terasové úchytce patří 4 ks vrtů.



Balení 200 ks terasových úchytek a 800 kusů vrtů vystačí pro pokládku cca.9 m<sup>2</sup> dřevěné terasy při použití terasových dílců o šíři 140 mm.

Terasová úchytka zabrání vzniklou mezerou (10 mm) mezi spodní konstrukcí a terasovým prknem usmyknutí šroubů z ušlechtilé oceli, především při použití exotického dřeva. Prkna jsou připojena nepřímou, tzn. že na povrchu terasy nejsou viditelné žádné hlavy šroubů.

## Pokyny ke zpracování pro terasovou úchytku:

Pro připojení prken se úchytka nejdříve přišroubuje na spodní stranu prken a potom ze shora na spodní konstrukci. Díky tomuto způsobu připojení se zabrání přímému spojení se spodní konstrukcí. Terasová prkna mají tak (přes terasovou úchytku) větší volnost pohybu.

Doporučují se na každou úchytku dva šrouby pro připojení úchytky na prkno a dva šrouby pro připojení úchytky na spodní konstrukci.

## Informace o materiálu terasové úchytky:

Vyrobena z PVC, vysoce odolného materiálu, který se široce používá v různých průmyslových odvětvích, včetně kanalizačních trubek, podlahových krytin, lékařských komponentů a izolačních materiálů. PVC je známé svou pevností a vysokou tepelnou odolností. Jeho teplota tání je přibližně 210 °C. Maximální doporučená teplota použití je kolem 110 °C, zatímco dlouhodobá nepřetržitá provozní teplota je až 95 °C.



Příklad použití: Terasové prkno Garapa a hranol z exotického dřeva



Příklad použití: Terasové prkno Teak a ALU hranol

# DISTA LIŠTA PRO VIDITELNÉ PŘIPOJENÍ TERASOVÝCH PRKEN

Dista lišta v rozměru 30x700x7mm se nejlépe hodí pro viditelné připojení terasových prken. Působí jako distanční prostředek a umožňuje volnost pohybu mezi prkny a spodní konstrukcí. Současně podporuje cirkulaci vzduchu pod terasou, což výrazným způsobem omezuje tvorbu plísně. Pro přišroubování na dřevěnou spodní konstrukci se používají vruty do dřeva, např. MEX Screws, které se šroubují přímo z horní strany prken. Dista lišta snižuje nebezpečí usmyknutí vrutů.



## Dista lišta – ochrana proti ulomení vrutů

Dista lišta je vyrobena z tvrdého plastu a slouží k ochraně vrutů z nerezové oceli před ulomením. K tomuto poškození může docházet v důsledku přirozeného pohybu dřeva – jeho bobtnání a smršťování vlivem změn vlhkosti a teploty.

Dřevo pracuje nejvíce v příčném směru prken. Při tomto pohybu má tendenci „tahat“ vrut s sebou, zatímco spodní část vrutu zůstává pevně ukotvena ve spodní konstrukci. U tvrdých, zejména tropických dřevin, je vrut vystaven vysokému namáhání a může dojít k jeho ulomení (tzv. usmyknutí).

Dista lišta tomuto problému účinně zabraňuje tím, že vytváří mezeru 7 mm mezi terasovým prknem a spodní konstrukcí. Tato mezera umožňuje vrutu, aby se při pohybu dřeva mírně posunul, a tím se výrazně snižuje riziko jeho poškození.



# MEX SCREWS - VRUTY DO DŘEVA



*Mex-Flat A4*

Vyrobený z austenitické nerezové oceli A4, je speciálně vyvinutý pro upevnění terasových prken k dřevěné spodní konstrukci. Vhodný pro upevňování tvrdých, exotických dřevin s vysokým obsahem tříslovin (bangkirai, massaranduba, merbau, garapa, ipe, teak, jatoba, tatajuba...), tak pro jehličnaté dřevo (thermowood borovice, modřín). Vrut se vyznačuje trilobulární geometrií, extra zesíleným dřikem, přídatným šroubovacím závitem a Torx profilem.



*Mex-Flat ALU A4*

Je speciálně vyvinutý pro upevnění terasových prken k spodní konstrukci z hliníkových profilů.



*Mex-Flat C1*

Vyrobený z martenzitické nerezové oceli C1, je speciálně vyvinutý pro upevnění terasových prken k dřevěné spodní konstrukci. Vhodný pro upevňování jehličnatých dřevin (modřín, borovice, smrk). Vrut má extra plochou hlavu, frézovací a unášecí závit a Torx profil.



*Mex-Classic A4*

Vyrobený z austenitické nerezové oceli A4, je speciálně vyvinutý pro upevňování dřevěných terasových a fasádních profilů k dřevěné spodní konstrukci. Vhodný pro upevňování tvrdých, exotických dřevin s vysokým obsahem tříslovin (bangkirai, massaranduba, merbau, garapa, ipe, teak, jatoba, tatajuba...), tak pro jehličnaté dřevo (thermowood borovice, modřín). Vrut se vyznačuje zaoblenou hlavou, hnacím závitem a profilem Torx.



*Mex-Classic A2 Antique*

Vyrobený z austenitické nerezové oceli A2 vyvinutý pro upevňování dřevěných dílců k nosné dřevěné konstrukci. Vhodný pro upevňování exotických dřevin s nižším obsahem tříslovin (bangkirai, bukit, dark red meranti, atd.) a jehličnatých dřevin bez omezení. Nevhodný pro prostředí s chlorem a solí.



*Mex-Classic C1*

Vyrobený z martenzitické nerezové oceli C1, je speciálně vyvinutý pro upevňování dřevěných terasových a fasádních profilů k dřevěné spodní konstrukci. Vhodný pro upevňování jehličnatých dřevin (modřín, borovice, smrk). Vrut má zaoblenou hlavu, frézovací a unášecí závit a Torx profil.



*Mex-Uni A2*

Vyrobený z austenitické nerezové oceli A2 vyvinutý pro upevňování dřevěných dílců k nosné dřevěné konstrukci. Vhodný pro upevňování exotických dřevin s nižším obsahem tříslovin (bangkirai, bukit, dark red meranti, atd.) a jehličnatých dřevin bez omezení. Nevhodný pro prostředí s chlorem a solí.

# MEX TOOLS - MONTÁŽNÍ PŘÍSLUŠENSTVÍ

## MexTOOLS Hobby:

- Kvalitní jádro z oceli S2 s tvrdostí až 58-60HCR
- Vhodné pro použití v dílnách, na stavbě i při montážích
- Jasné značení a jednoduché použití



## MexTOOLS Profi:

- Vyšší kvalita materiálu, přesnější výroba, delší životnost
- Tvrdost jádra až 58–60 HRC
- Ideální pro profesionály, kteří kladou důraz na výkon a efektivitu
- Jasné a trvalé značení zajišťuje přehlednost i při častém použití



# CONTACT



Au-Mex Ltd.  
Podebradská 574/40,  
Prague 9  
Czech Republic 190 00

Phone No.: 00420 283933452, 00420 608052451

E-mail: [export@au-mex.com](mailto:export@au-mex.com), [info@au-mex.cz](mailto:info@au-mex.cz)

[www.au-mex.com](http://www.au-mex.com)



@AuMex



@Au-mex.com



@aumex\_ltd



@Au-Mex

*Real*  **DECK®**

The text 'Real' is written in a large, grey, cursive font. To its right is a small, grey, stylized house icon with a white roof and a green outline. To the right of the house icon, the word 'DECK' is written in a large, bold, grey, sans-serif font, followed by a registered trademark symbol (®).