

# OUTDOOR PLANKS

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AMORIM

ipodeck

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# WHY CHOSE IPODECK

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Amorim Wood Supplies introduces an innovative system for applications of wood in multiple natural surroundings such as gardens, swimming-pool areas, footbridges, terraces, etc. ...

This system has the following advantages:



- It does not damage the wood unlike other screwfixing systems.
- Durable stainless steel screws and clips that do not leave rust stains on the wood.



- It allows for the necessary expansion and contraction of the wood itself.



- Double sided tongued and grooved wood boards allow for a more compact installation process and a completely even surface.



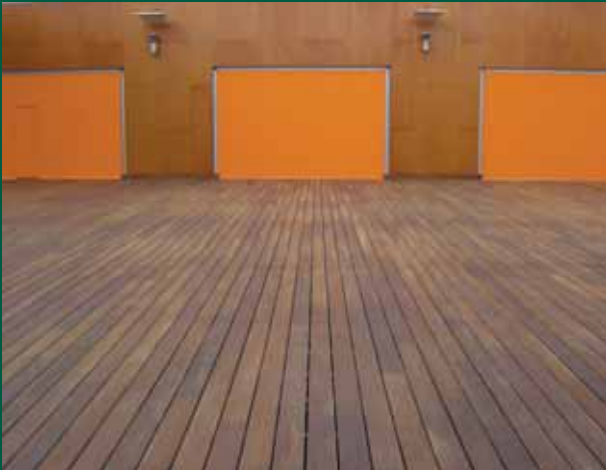
- It permits the drainage of water penetrating the surface by means of water outlets, thus avoiding flooding and preserving the wood.



- Use of Ipé (Lapacho) for outdoor applications. This wood species is durable, as well as resistant to fungi and bad weather conditions.



- Fast and simple installation
- Easy and economical maintenance.

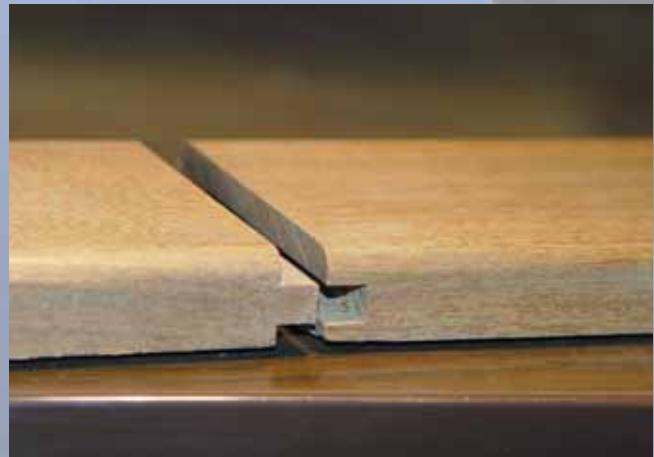


# PRODUCT DESCRIPTION

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Clip application



Tongue & Groove system on end sides.



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### Standard qualities:

Ipodeck Ipé outdoor planks in dimensions 700-2200 x 100 x 21 mm with tongue and groove on end sides. Fixed onto impregnated pine fillets (40 x 50 x 2500 mm or similar) by means of stainless steel clips and screws 3,5 x 30 mm. For application onto concrete (optional) with 50 cm space between axes, fixed to the concrete by using 8 x 800 mm galvanized screws with teflon blocks.

### Possibilities:

- Other types of wood species (Cumaru, Sucupira)
- Stainless steel clips and screws

# TYPES OF WOOD USED

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The principal characteristics of wooden planks used in outdoor installations must be: resistant to bad weather conditions and fungi. Different wood species like Cumaru, Sucupira and Ipé can be used. A very good choice is Ipé or Lapacho, which has the following characteristics:

## IPÉ - LAPACHO (Family: Bignoniaceae)

Commercial name in English: Ipé or Lapacho. This tree can be found in Central and South America in a stable forestal ambience. The Sapwood is yellowish white, while the heartwood varies from olive brown to a darker shade of brown.

This type of wood is considered to be very resistant to fungi, insects and termite. Ipé wood features excellent conditions for outdoor-installation due to it's extremely low saturation coefficient and high density. These characteristics involve reduced expansion and contraction movements and, as a result, one of the lowest cracking indexes that can be found.



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### Fillets made out of PINE

Botanical name „Pinaceae / Pinus silvestris“: Can be found mainly in Central, North and Eastern Europe.

Colour: yellow or reddish sap; reddish heartwood that tends to get darker (reddish-brown).

### Physical data:

Density: 510 kg, dried to 12-15 %.

Hardness: an average of 40 N/mm<sup>2</sup>

Special treatment with Wolmanit CX-8. This treatment is applied on the fillets made of pine that are used by the Amorim system as the platform base for outdoor installation.

### Characteristics:

Liquid, soluble chromium salts for the preservation of the wood. Based on inorganic copper, boron and organic ingredients, which provide an efficient prevention against insects and wood-destroying fungi, including those causing rot.

### Maintenance:

In order for the ipodeck outdoor planks to preserve their beautiful appearance, a proper maintenance of it's surface is essential. The frequency of maintenance depends on the use of the flooring as well as on the climatic conditions. There are different types of oil available on the market, which can be used as maintenance for the outdoor planks. Basically they are distinguished in their penetration, the applied quantity per m<sup>2</sup>, colour and protection capability.



# APPLICATIONS

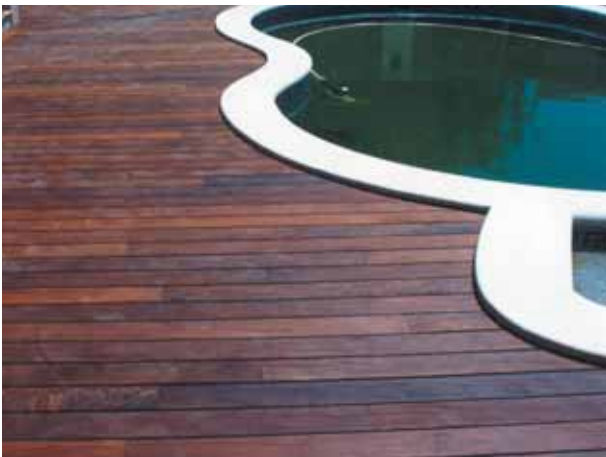
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Staircase



Metal construction



Swimming pool



Shower area





Maritime walkway



Jacuzzi surrounding



Flooring hatch



Porthole

# INSTALLATION

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## 1. Estimate of the wood material required

Make sure you have ordered the required amount of Ipodeck outdoor wood, fillets, screws and clips, including the anticipated losses.

## 2. Preparation of the base

The base used for the installation of Ipodeck outdoor wood is usually made of concrete, quarry gravel or terrazo.

This base must have the following characteristics:

- It must be compact, to allow for the fillets to get properly fixed.
- It must be levelled, i.e. without any differences of height between points that may affect the levelling of the base permanently.
- The concrete base has to have a slope of approx. 2 % in order to drain the water.

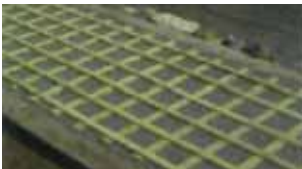
## 3. Fillet preparation processes



### System 1:

Self-levelled mortar floor with drainage channels

When using this system, the building contractor must prepare the base the fillets are going to be fixed to. Fillets can be made of impregnated pinewood or stainless steel. The preparation consists of levelling the concrete and building a series of drainage channels with a slope at a lower height to permit to drainage of rainwater.



### System 2:

Double fillets on a compact gravel base

This system permits fast drainage of rainwater and an easy levelling of the fillets.





#### System 3:

Levelling using self-levelling strips or cylindrical bases/plots. This system permits to adapt the platform to the desired height and additionally to level (in case of uneven flooring). The slats or the cylindrical bases allow for fast drainage. The water is directed towards the slopes or the drainage system.



#### 4. Platform Installation

- a. Place the fillets on the base - lengthwise to the slope – leaving a distance of 50 cm to the next fillet.
- b. Determine the main line and mark it on the fillets.
- c. Apply a spot of outdoor glue on the fillet where the wood plank is going to be installed on (this minimizes the noise produced by walking on the boards).
- d. Place the outdoor wood plank on the fillet, apply the clips on one side of the entire board. Adjust the clip tightly against the plank. Insert the screws into the clips.
- e. Repeat the same operation on the other plank side until the plank is completely fixed.
- f. Place the following plank (the plank being lengthwise next to the one already placed), insert outdoor glue into the groove of the short plank side and proceed in same way the fixing of the screws.
- g. Install the planks of the following rows by using the same procedure.
- h. The perimeter cuts must correspond to the type of end piece, which will be used.

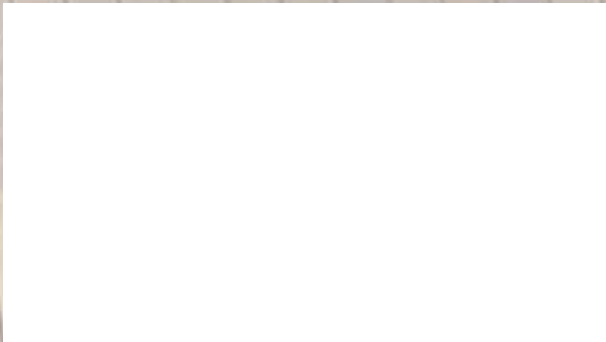
#### 5. Oil Application

Exposure to the sunlight will alter the colour of the timber significantly. To prevent discolouration it is recommended to protect ipo-deck with suitable timber oil.

Once installed, clean the wood thoroughly before applying the finishing oil. Apply the finishing oil following the instructions given by the manufacturer.



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