

# Hardwood Flooring for Exteriors

## exterpark Classic

## exterpark Plus

Technical dossier



The FSC Logo identifies products which contain wood from well managed forests certified in accordance with the rules of the Forest Stewardship Council.

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SW-COC-1359

# exterpark



## -exterpark

**Hardwood flooring** for exteriors: the natural solution to your decorating needs. Swimming pools, gardens, terraces, paths and all kinds of open-air spaces can be transformed into warm, natural and functional habitats.

For more than a decade, **Euro Covering S.L.** has been producing and distributing **exterpark** to go beyond the confines of living space to the outdoors, presenting you with new opportunities for enjoyment.

euro  
COVERING

## Exclusive Hidden Fastening System

-exterpark  
Classic

PATENTED IN 1995

This revolutionary patented system is based on stainless steel components known as **PM Clips** whose transversal section is an omega-shape whose wings, when open and horizontal, are inserted into lateral slots of the wooden boards, leaving the surface intact. They are fixed to the joists by screws, also in stainless steel, which extends the life of the installation and prevents rusting.

With **exterpark hardwood flooring for exteriors**, swimming pools, gardens, terraces, paths and all kinds of open air spaces can be transformed into warm, natural and functional habitats. Thousands of square metres already installed in both public and private locations are proof of the quality and durability of **exterpark hardwood flooring**.



## Exclusive Invisible Fastening System

-exterpark  
Plus

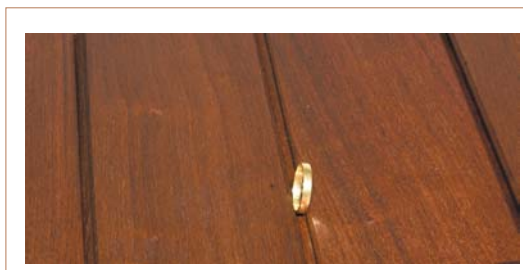
PATENTED IN 2004

In 2004, one step further. Thanks to our continuous Investment in R+D, **exterpark** introduces the ultimate improvement in **hardwood flooring for exteriors**.

**exterpark Plus** is a completely new product with an exclusive profile that meets all the requirements anyone could desire for a hardwood flooring for exteriors.

**exterpark Plus** combines all the benefits of a hidden fastening system, but with some extra advantages for the end consumer:

- Better aesthetics of the flooring
- A safer product. With no screws in the upper surface of the planks, walking barefoot is no longer a danger.
- The installation looks like an interior parquet: No gaps between the planks, so the surface below the planks is no longer visible.
- Yet water can still drain away in an optimal way.
- This brand-new system prevents the loss of small objects (rings, coins, etc), because they cannot fall between the planks.
- An easier-to-clean surface, as the dirt remains in the joint, so we can clean it easily.

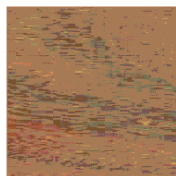


## Range

A meticulous selection **both available in exterpark Classic and exterpark Plus**. The loveliest and most ideally suited woods for outdoor installation.

### Ipé

*Tabebuia spp.*



**OTHER TRADE DESIGNATIONS:** Lapacho.

**PROVENANCE:** Central and South America.

**DESCRIPTION:**

Colouring: yellowish white sapwood and heartwood going from olive brown to dark brown. It can present fine grey-brown strips.

Fibre: interweaved.

Grain: fine, occasionally medium.

**PHYSICAL PROPERTIES:**

Density: 1.050 kg/m<sup>3</sup>

Hardness: very hard.

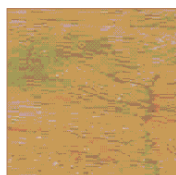
Contraction: nervous.

Durability: very resistant against insect, fungi and termite attack.

**USES:** interior and exterior carpentry, manufacture of furniture, ship construction, hydraulic works, manufacture of musical instruments, etc.

### Cumaru

*Dipterix odorata.*



**PROVENANCE:** Central America and North of Amazonia.

**DESCRIPTION:**

Colouring: white going into yellowish sapwood and heartwood varying from grey-yellow to grey-reddish, with fine dark strips.

Fibre: interweaved.

Grain: medium.

**PHYSICAL PROPERTIES:**

Density: 1.070 kg/m<sup>3</sup>

Hardness: very hard.

Contraction: nervous.

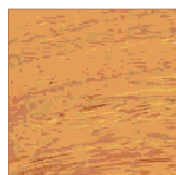
Durability: very high against insect and fungi attack.

**USES:** interior and exterior carpentry, ship construction, hydraulic works, bridges, barrel manufacturing, etc.

**CURIOSITIES:** its fruits (bean-shaped) are used as a seasoning.

### Elondo

*Erythrophleum ivorense.*



**OTHER TRADE DESIGNATIONS:** Tali, Missanda, African Oak.

**PROVENANCE:** West, Central and East Africa.

**DESCRIPTION:**

Colouring: sapwood varies from yellow-white to pink-white and heartwood from grey-yellowish to grey-reddish.

Fibre: very interweaved.

Grain: thick.

**PHYSICAL PROPERTIES:**

Density: 890-960 kg/m<sup>3</sup>

Hardness: very hard.

Contraction: from moderately nervous to nervous.

Durability: very resistant against insect, fungi and termite attack.

**USES:** interior and exterior carpentry, hydraulic works, bridges, garden furniture, etc.

**CURIOSITIES:** the tea made from its bark, very poisonous, was used as a potion to do justice; the survivor was found innocent of the accusation.

### Rustic Teak

*Tectona grandis.*



**PROVENANCE:** native to Southeast Asia, India, Cambodia, Laos and Vietnam. Other plantation areas: West Africa and tropical Central America.

**DESCRIPTION:**

Colouring: sapwood varies from yellow-white to light grey and heartwood from brown-yellow to dark brown.

Fibre: straight.

Grain: thick.

**PHYSICAL PROPERTIES:**

Density: 650-680-750 kg/m<sup>3</sup>

Hardness: semihard.

Contraction: little nervous.

Durability: resistant to very resistant against the attack of biotic agents.

**USES:** interior and exterior carpentry, ship construction, bridges, furniture, barrels, etc.

### Padouk

*Tabebuia spp.*



**OTHER TRADE DESIGNATIONS:** Palo Rojo.

**PROVENANCE:** Central and West Africa.

**DESCRIPTION:**

Colouring: yellowish white sapwood and heartwood reddish.

Fibre: straight to slightly interweaved.

Grain: thick.

**PHYSICAL PROPERTIES:**

Density: 720 - 820 kg/m<sup>3</sup>

Hardness: hard.

Contraction: from moderately nervous to nervous.

Durability: very resistant against fungi and resistant to termite attack.

**USES:** interior and exterior carpentry, manufacture of furniture, ship construction, hydraulic works, etc.

## Range

A meticulous selection **both available in exterpark Classic and exterpark Plus.**

### Massaranduba

*Manilkara Huberi*



**OTHER TRADE DESIGNATIONS:** Balata, Nispero, Maparajuba.

**PROVENANCE:** Central and South America.

**DESCRIPTION:**

Colouring: beige going into pink sapwood and heartwood varying from dark brown to violet.

Fibre: straight.

Grain: fine.

**PHYSICAL PROPERTIES:**

Density: 1.050 - 1.200 kg/m<sup>3</sup>

Hardness: very hard.

Contraction: very nervous.

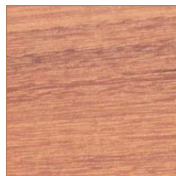
Durability: very high against fungi and insect attack.

**USES:** interior and exterior carpentry, hydraulic works, bridges, barrel manufacturing, etc.

**CURIOSITIES:** its fruits (bean-shaped) are used as a seasoning.

### Okan

*Cyclodiscus Gabunensis*



**OTHER TRADE DESIGNATIONS:** Bokoka, Adum.

**PROVENANCE:** West, Central and East Africa.

**DESCRIPTION:**

Colouring: sapwood clearly differentiated. Heartwood varies from yellow-brown to dark brown.

Fibre: slightly interweaved.

Grain: medium.

**PHYSICAL PROPERTIES:**

Density: 1.000 - 1.100 kg/m<sup>3</sup>

Hardness: hard.

Contraction: nervous.

Durability: very resistant against fungi. Durable in front of insects and termite attack.

**USES:** interior and exterior carpentry, hydraulic works, bridges, garden furniture, etc.

### Azobe

*Lophira Alata*



**OTHER TRADE DESIGNATIONS:** Ekki.

**PROVENANCE:** West, Central Africa.

**DESCRIPTION:**

Colouring: sapwood pale pink and heartwood is dark brown.

Fibre: slightly interweaved.

Grain: thick.

**PHYSICAL PROPERTIES:**

Density: 950-1.060 1.100 kg/m<sup>3</sup>

Hardness: very hard.

Contraction: nervous.

Durability: very resistant against fungi and termite attack.

**USES:** interior and exterior carpentry, hydraulic works, bridges, garden furniture, etc.

## Range

**ONLY available in exterpark Classic.**

### Swedish Pine

*Pinus sylvestris.*

*(treated with water-soluble  
CCB salts)*



**OTHER TRADE DESIGNATIONS:** Wild Pine, North Pine.

**PROVENANCE:** Sweden.

**DESCRIPTION:**

Colouring: pale yellow sapwood and reddish heartwood.

Fibre: straight.

Grain: fine to medium.

**PHYSICAL PROPERTIES:**

Density: 500-520-540 kg/m<sup>3</sup>

Hardness: semihard.

Contraction: little nervous.

Durability: little durable. Needs protective treatment.

**USES:** interior and exterior carpentry, manufacture of furniture, etc.

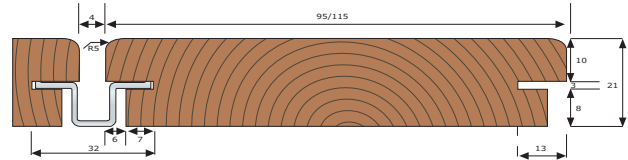
**CURIOSITIES:** it is very often found in old buildings. In Norway still exist 800-years-old churches built on this wood.

### Deck boards

Solid wooden planks of special cross-section with a brushed surface and rounded-off lateral edges to facilitate underfoot comfort, even barefoot. The absence of superficial fixture holes minimizes the risk of splinters and fissures forming which could potentially be hazardous to users.



Deck boards, together with the fastening components, define our **Exclusive Hidden Fastening System**.



Most common sizes of **exterpark Classic** deck boards are the following:

	thickness	width	length
<b>Ipé</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	120 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	600 to 3.000 mm
<b>Cumarú</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	120 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	600 to 3.000 mm
<b>Elondo</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	100 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	1.000 to 3.000 mm
<b>Teka Rústica</b>	22 mm	95-100 mm	800 to 2.800 mm
<b>Massaranduba</b>	22 mm	100 mm	800 to 2.800 mm
<b>Azobe</b>	22 mm	95 mm	800 to 2.800 mm
<b>Okan</b>	25 mm	95 mm	800 to 2.800 mm
<b>Padouk</b>	22 mm	95/105 mm	800 to 2.800 mm
<b>Cuperized Pine</b>	21,30,35,45 mm	95,100,145,145mm	1.600 to 4.000 mm

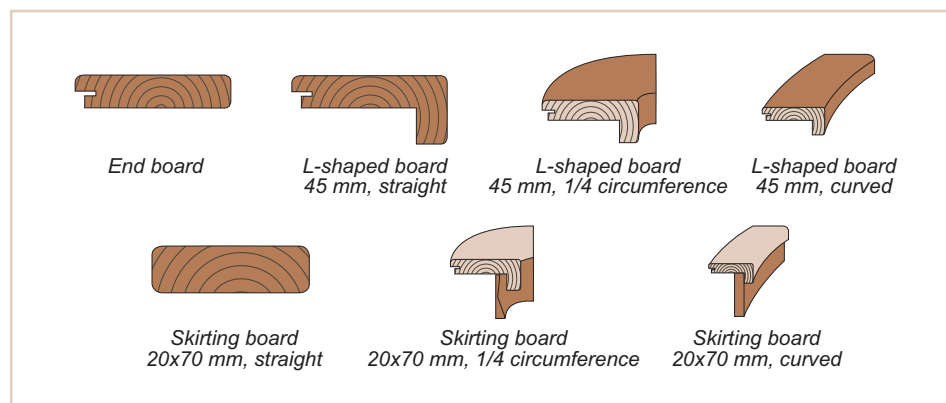
Note: formats other than 21/22 mm ones are supplied on order.

All the 21/22 mm thick boards are provided tongue-and-grooved at the butt end. This tongue-and-grooving removes the need to end-trim the boards where they meet and thus makes installation much quicker.

### Finishing boards

Designed to finish the accessible borders of the installation with rounded edges, principally for swimming pools, staircases and, in general, different levels, including end boards, L-shaped boards and skirting boards.

These pieces can be supplied in accordance with the specific requirements of each individual client as well as in standard sizes.

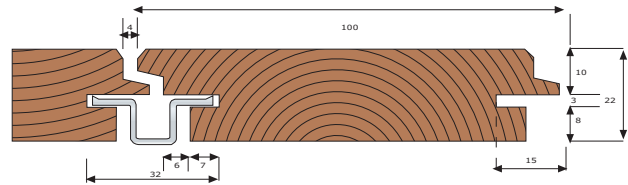


### Deck boards

Solid wooden planks with a special cross-section having a brushed surface and bevelled lateral edges to facilitate underfoot comfort, even when barefoot. The absence of superficial fixture holes minimizes the risk of splinters and fissures forming which could be potentially hazardous to users.



Deck boards, together with the fastening components, define our **Exclusive Invisible Fastening System**.



The following are the most common sizes of **exterpark PLUS** deck boards:



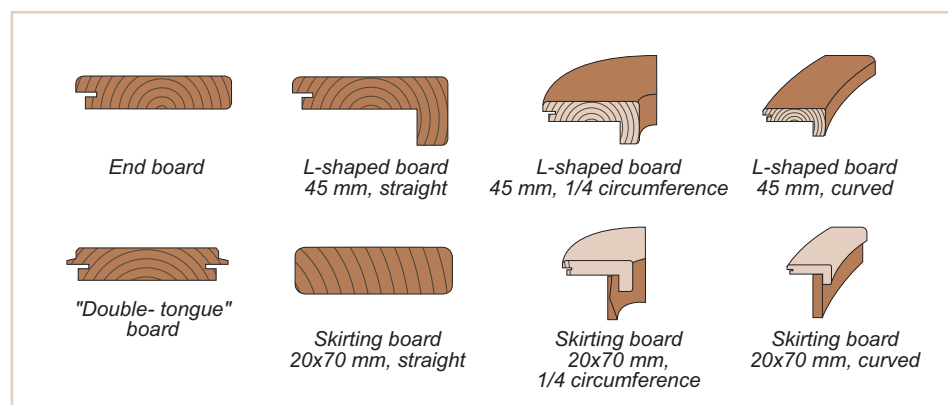
	thickness	width	length
<b>Ipé</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	120 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	600 to 3.000 mm
<b>Cumarú</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	120 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	600 to 3.000 mm
<b>Elondo</b>	22 mm	100 mm	800 to 2.800 mm
	28 mm	100 mm	1.000 to 3.000 mm
	35 mm	145-155 mm	1.000 to 3.000 mm
<b>Teka Rústica</b>	22 mm	95-100 mm	800 to 2.800 mm
<b>Massaranduba</b>	22 mm	100 mm	800 to 2.800 mm
<b>Azobe</b>	22 mm	95 mm	800 to 2.800 mm
<b>Okan</b>	25 mm	95 mm	800 to 2.800 mm
<b>Padouk</b>	22 mm	95/105 mm	800 to 2.800 mm

Note: formats other than 21/22 mm ones are supplied on order.

All the 21/22 mm thick boards are provided tongue-and-grooved at the butt end. This tongue-and-grooving removes the need to end-trim the boards where they meet and thus makes installation much quicker. Note: formats other than 21/22 mm are supplied on order.

### Finishing boards

Designed to finish the accessible borders of the installation with rounded edges, mainly for swimming pools, staircases and, in general, different levels, including end boards, L-shaped boards and skirting boards. These pieces can be supplied in accordance with the specific requirements of each individual client as well as in standard sizes. The new **exterpark PLUS** system requires a special arrangement when changing the direction of the installation, such as during its installation surrounding a swimming pool. For such cases, a **"Double-tongue"** plank has to be used to change the direction of the installation.



## Installation components\*

\*Information valid for both Classic and Plus.

### PM Clips



A cornerstone of our **Exclusive Hidden and Invisible Fastening System** which consists of a stainless steel profile in the shape of an omega which has the function of the classic dovetail joint by inserting its wings into the lateral grooves of the wooden slats. These are then fixed to the joists by means of the **PM Clip**. The **PM Clips** perform the dual function of both fixing the hardwood flooring in place and maintaining a perfectly gauged separation between slats to allow water to scape. Both the **PM Clips** and the screws are made from stainless steel. This material guarantees the fixture's durability as well as preventing rust.

A host of advantages compared to the traditional screw-down system!

#### Improved visual finish

Because the hardwood surface is left intact without any holes and the fastening system remains invisible.

#### Longer duration of decking

Because the wood is not damaged by nails or screws, preventing it from deteriorating and protecting it from being attacked by biotic agents.

#### Greater decking stability

Because the **PM Clips** absorb any alterations in size (expansion or contraction) that occur in the wood in response to the hygrothermal conditions of the environment, preventing the wood from becoming distorted or damaged over the long term.

#### Improved drainage

Because the slats are fixed to the underlying structure in such a way that a perfectly gauged space is left, determined by the **PM Clips**, with specific formats for the different kinds of wooden flooring available.

#### Greater security

Because the risk of fissures or splinters forming, which could be potentially harmful to users, is minimized thanks to the absence of holes in the boards.



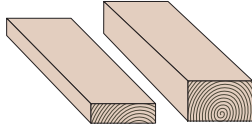
There are two kinds of **PM Clips**: Normal and Connecting, for joining square ends. These come in various sizes depending on the type and size of the hardwood flooring to be installed.

	21/22 mm (exotic woods)		21/22 mm (Swedish Pine)		28/30 mm		35/45 mm	
	Normal	Connecting	Normal	Connecting	Normal	Connecting	Normal	Connecting
Length	25 mm	40 mm	25 mm	40 mm	25 mm	40 mm	25 mm	40 mm
Height	8 mm	8 mm	8 mm	8 mm	12 mm	12 mm	15 mm	15 mm
Distance between barbs	32 mm	32 mm	36 mm	36 mm	38 mm	38 mm	38 mm	38 mm
Screw holes	1	2	1	2	1	2	1	2
Gauge between boards	4 mm	4 mm	7 mm	7 mm	8 mm	8 mm	8/10 mm	8/10 mm

## Installation components\*

\*Information valid for both Classic and Plus.

### Joists



Strips of VI quality Swedish Pine, autoclave-treated with water-soluble CCB salts which serve to support and fasten the hardwood flooring. Their function is merely structural, remaining hidden once the installation work is over. They should be supported every 40 cm.

Joists are available in the following sizes:

25x63 mm (Floating System)  
50x38 mm (Classic and Raised System)  
65x38 mm (Classic and Raised System)



### Height-adjustable pedestals



Made in polypropylene with added mineral load. Their use involves numerous benefits:

- Creating a flat surface on compact sloping ground. Inclines of up to 40 cm can be corrected.
- Improves flooring insulation by means of the air chamber created between it and the support.
- Quicker, cleaner installation.

Height-adjustable pedestals are available in various formats, according to the difference in height to be covered.

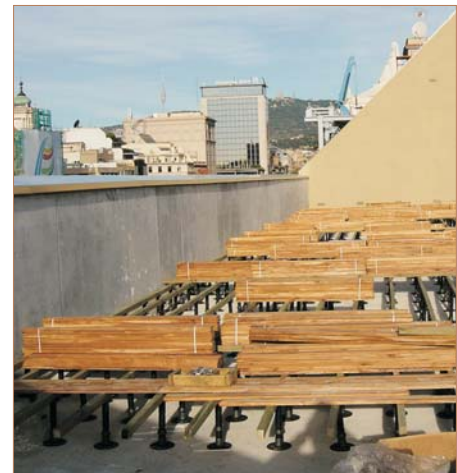
#### item

Choco-10 pedestal - Non-height-adjustable

#### item

#### height adjustment

exterpark pedestal 5/7	50 to 70 mm
exterpark pedestal 7/10	70 to 100 mm
exterpark pedestal 10/13	100 to 135 mm
exterpark pedestal 13/17	135 to 170 mm
exterpark pedestal 17/19	170 to 190 mm
exterpark pedestal 19/22	190 to 225 mm
exterpark pedestal 22/26	225 to 260 mm
exterpark pedestal 26/28	260 to 280 mm
exterpark pedestal 28/31	280 to 310 mm



## Consumption of accesories per m2 exterpark hardwood flooring

deck board size	distance between joists (cm)	joists (m)	PM Clips standard (units)	PM Clips joint (units)	Screws (units)	Pedestals (units)
21x95 mm	40	3,0	22	3	28	7
22x95 mm (Teak)	35	3,0	26	3	32	7
21x115 mm	40	3,0	22	3	28	7
22x100 mm	40	3,0	22	3	28	7
28x120 mm	50	2,5	18	2	22	6
28x145 mm	50	2,5	13	2	17	6
30x100 mm	50	2,5	19	3	25	6
35x145 mm	60	2,0	10	2	14	5
45x145 mm	60	2,0	10	2	14	5

## Installation instructions\*

\*Information valid for both Classic and Plus.

### Three installation systems: three solutions

**exterpark** proposes three different solutions for three different types of flooring on which the installation is to be carried out.

#### Classic System



Fixing to the floor by cement or wooden plugs. Deck boards are fixed to the joists with **PM Clips**.

#### Floating System



Recommended for terraces and gardens where it is difficult to provide a concrete support. The joists float above a gravel or volcanic rock bed which has been raked and levelled out. Deck boards are fixed to the joists with **PM Clips**.

#### Raised System



For when there is a considerable difference in heights. The joists rest on height-adjustable pedestals which can deal with differences of up to 40 cm. Deck boards are fixed to the joists with **PM Clips**.

#### Storage and on-site precautions

- The **exterpark hardwood flooring** and its accessories should be stockpiled as close as possible to the site.
- Boards can be left in the open, but if it is envisaged that work is going to take a long time, it is advisable to protect them from direct sunlight and rain (e.g., canopy, shed).
- The working area should be kept as clear of debris as possible.
- If they are not already in site, fencing and any necessary protective elements should be installed to guarantee safety in the working area.



## Installation instructions\*

\*Information valid for both Classic and Plus.

### Preparing the ground

Before starting installation, the ramps and drains necessary for water drainage should be planned. In case of fitting for swimming pools, care should be taken to ensure that none of the ramps is orientated towards the pool's overflow system.

The surface, whether cement or concrete, should be solid and regular, with an uniform planimetry to facilitate water run-off as far as possible, and should also be clean and dry with no dust or oil present.

### Joists

The layout, levelling and fixing of the joists is the key to optimum installation. It is essential to observe the following instructions:

- The maximum distance between joist shafts for each type of hardwood should be as follows:

40 cm for 21/22 mm exterpark

50 cm for 28/30 mm exterpark

60 cm for 35/45 mm exterpark

- In all cases, the distance between each joist support should not exceed 40 cm.

Following the above instructions along with careful laying will provide a solid, stable base for your **exterpark hardwood flooring** which will result in much easier installation. Ensuring a damage-free surface means prolonging the useful life of the decking and increases the security of the installation.

### Laying

Laying the **exterpark** hardwood flooring should begin with the row of boards that is most appropriate for the installation in question and in the direction in which the boards are going to be laid. The first row should be laid with a touch of polyurethane elastomer, making sure the butt end joins are always supported on a joist. In the specific case of **exterpark PLUS**, the installation should begin with the groove facing the wall.

Once the first row has been laid, a **PM Clip** should be used on top of each joist (a Connecting Clip in the joints between boards and Normal Clips elsewhere) by inserting a wing into the corresponding slot and fixing it to the joist with a stainless steel screw. The second row of boards is then laid with the lateral grooves facing towards the wing of the **PM Clips** which slide into it.



A new set of **PM Clips** are then put in place, whose free wings are then ready to receive the next row of boards, and so on, until the entire surface area is covered.

The **final row** is fixed on one side by the **PM Clip** attached to the preceding row and on the other side it is attached to the joists by polyurethane elastomer. Installation by alternate joints, or free assembly, is recommended, which allows different lengths of boards to be used and more judicious use of the wood.

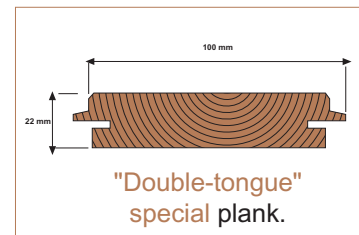


## Installation instructions\*

\*Information valid for both Classic and Plus.

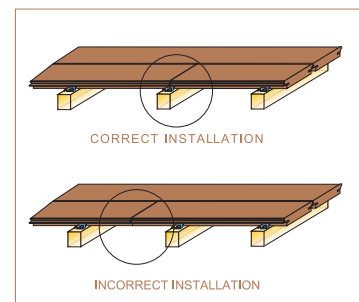
**Two special cases** should be mentioned. The **first** arises when the installation abuts the edges of a swimming pool or any other kind of irregularity in terrain. L-shaped boards and skirting boards allow us to make the transition between horizontal and vertical areas using pieces with rounded borders with no rough edges, which hide the underlying joists perfectly. In this case, installation should begin with the L-shaped boards and skirting boards and continue towards the centre of the area to be covered.

The second case only applies to **exterpark PLUS**, and is due to the system itself: the exclusive profile of **exterpark Plus** that makes the installation invisible, forces us to install the PM Clip onto the **"tongue"** side of the plank. This system requires a special arrangement when changing the direction of the installation, such as during the installation of **exterpark PLUS** surrounding a swimming pool. For such cases, a **"Double-tongue"** plank has to be used to change the direction of the installation.



The **support** should previously have been equipped with a suitable number of hatches to allow access and cleaning of the drainage system as well as cleaning and sterilising with pressurised water.

In general terms, all short ends of **exterpark Classic or Plus** must coincide with the joists. This is the main reason why we produce only multiples of 40 cm.



### Finishing

Finishing the **exterpark hardwood flooring** installation consists of sanding the surface to ensure that any small irregularities and dirt that may have accumulated during the assembly process are removed as well as to open the pores of the wood.

Next, **exterpark oil or Cabot oil** is applied to the open pores, which will allow the wood to respond to the hygrothermal variations in the atmosphere by either absorbing or expelling moisture naturally. This product performs a dual function: a purely decorative one, thanks to its composition, pigments, etc., and a disinfectant one, thanks to the insecticides and fungicides it incorporates, which do not cause any harm in contact with human skin. We recommend it is applied on a regular basis to preserve the aesthetic and hygienic qualities of the surface.

Alternatively, special open pore oils for exteriors can be applied.

### Installation tools

- |                    |                        |                |
|--------------------|------------------------|----------------|
| - Mitre saw        | - Electric screwdriver | - Manual saw   |
| - Sectioning saw   | - Planer               | - Sander       |
| - Circular saw     | - Hammer- Pliers       | - Cable roller |
| - Drill and gauges | - Chisels              | - Crowbar      |
| - Pliers           | - Wedges               |                |

### Personal protective gear

- |                     |                   |
|---------------------|-------------------|
| - Helmet            | - Knee pads       |
| - Ear protection    | - Safety footwear |
| - Anti-dust glasses | - Safety belt     |
| - Anti-dust mask    |                   |

## Maintenance

Although installation according to the instructions provided is intended for the wood to withstand normal use conditions for a long time (i.e. pedestrian use, not including vehicle transit or the presence of elements that may accelerate erosion), it is essential to check its condition on a regular basis to ensure it is safe, from both an active and passive perspective, for an indefinite period of time.

### Physical appearance

Regular application of oil **exterpark** or **Cabot** will help to maintain the aesthetics qualities of the wood for longer. We recommend it is applied at least once a year, preferably at the beginning of the summer season, which is the best time of year to enjoy your **exterpark hardwood flooring**.

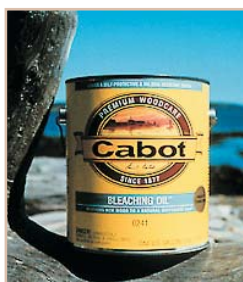
If the surface of the wood is damaged by heavy object dropping on it or any other kind of accident, with the risk of splinters forming, the affected area should be sanded down carefully until the original quality of the finish is restored. If this does not have the desired effect, the affected area should be replaced by new section of flooring.

If installed outdoors under particularly adverse conditions, in addition to superficial discoloration from U.V.A. rays, micro-fissures may appear on the surface and the butt-ends of the boards, although this does not represent any appreciable reduction in the durability of the installation. As well as regular re-application of the oiled treatment described above, these effects can be mitigated by trying to ensure that the flooring maintains a hygrothermal level that is as stable as possible by means of direct hosing down or daily sprinkling.



### Maintenance products

Cabot



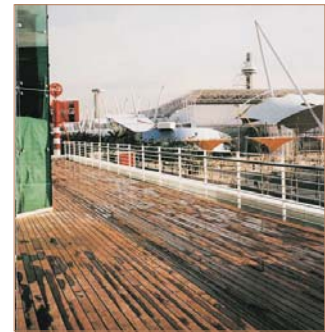
exterpark



## Protective treatments

The durability of wood, even the most resilient kinds, is constantly threatened by aggression from biotic and abiotic agents which damage its structure and mar its appearance with stains and holes, which are often irreversible and always very costly to rectify.

Reinforcing the natural resilience of the wood with the appropriate protective treatment means you do not run any unnecessary risks and the life of the wood is preserved indefinitely, avoiding its replacement and thus contributing to the preservation of our forestry resources. **exterpark** offers you a treatment that is completely harmless to people, animals and plants, giving you assurance, peace of mind and hardwood flooring for life.



These protective treatments have been devised as aid to enhance the natural resistance of the wood against attack from biotic origin (burrowing insects and fungi). Treated **exterpark** hardwood is equipped to withstand permanent contact with the ground and/or fresh water, circumstances that relate to risk factor IV. Our autoclave protective treatments are applied in accordance with the provisions of the following standards: UNE-EN 335-1, 335-2 and 350-2 by personnel authorized by local authorities.



For each type of wood there is a specific type of protection:

### Conifers

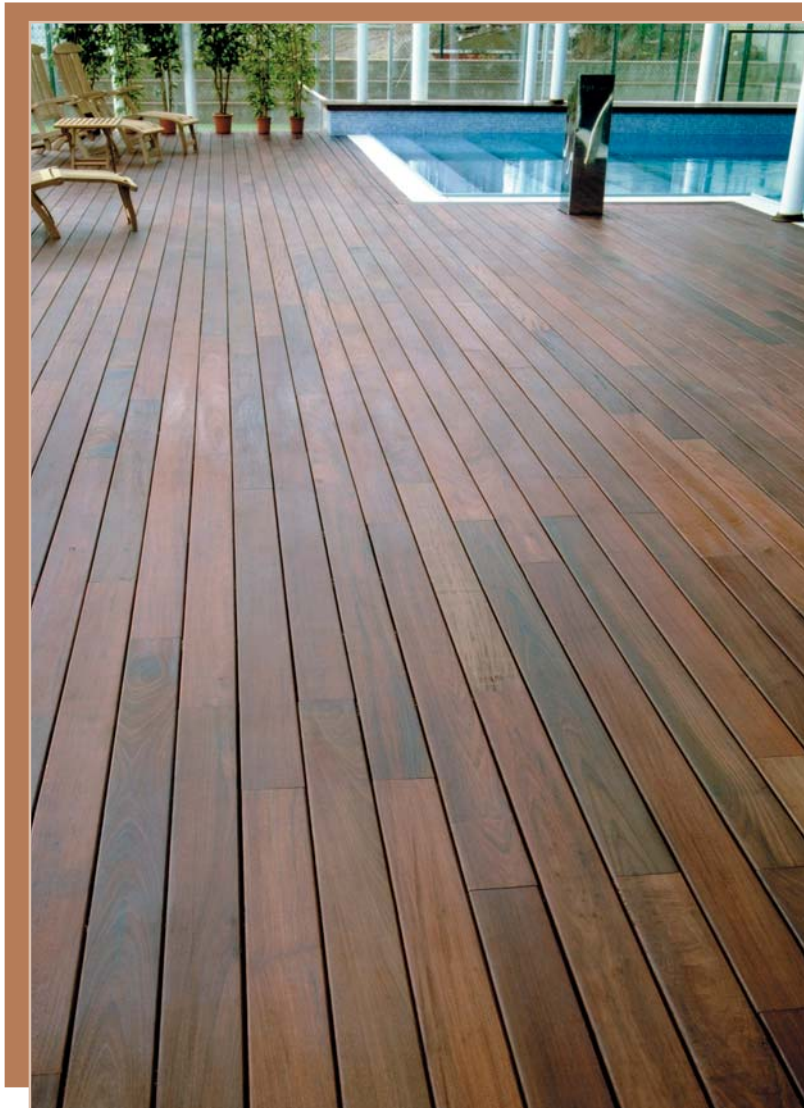
Swedish Pine, used for making both **exterpark hardwood flooring** and joists, is usually supplied **treated with water-soluble CCB salts by means of a double-vacuum pressure system**. This treatment protects the wood from biotic agents (burrowing insects and fungi) and once applied is harmless to people, animals and plants. It gives the wood a slight greenish-brown tint. Pine has a greater proportion of sapwood than tropical woods and is thus more sensitive to biotic attack, so it is therefore essential to protect it in this way to guarantee its durability.

### Leafy trees from temperate or tropical zones

The tropical wood we select is dense with a medium or fine grain and little propensity to form splinters. These are species that are very rarely attacked by biotic agents (burrowing insects and fungi). This same quality means that they do not support pathogen agents very well either.

Despite the natural suitability of the woods selected, we very strongly recommend they are given a **protective treatment based on organic solvents by means of the double-vacuum method**. The protective agent applied, in addition to preventing the attack of burrowing insects and fungi, has the added support of a product that repels water and improves the dimensional stability of wood by more than 50% on average. Once applied, it is completely harmless to people, animals and plants. It does not stain or change the colour of the wood. By applying this treatment, any risks are reduced to a minimum and our customers can have complete peace of mind.





-exterpark

IS PRODUCED AND DISTRIBUTED BY:

euro  
COVERING

Rambla Solanes, 38-40

08940 Cornellà de Llobregat (Barcelona) SPAIN

Tel.: +34 935 086 580

Fax: +34 935 086 590

E-mail: [info@eurocovering.com](mailto:info@eurocovering.com)



The FSC Logo identifies products which contain wood from well managed forests certified in accordance with the rules of the Forest Stewardship Council.

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