



**HORTUS**<sup>®</sup>  
outdoor wood flooring

## Enjoying outdoor living...

... on your terrace, by the pool,  
at the restaurant, under the veranda,  
in the courtyard and around  
the garden.

General Catalogue





# HORTUS®

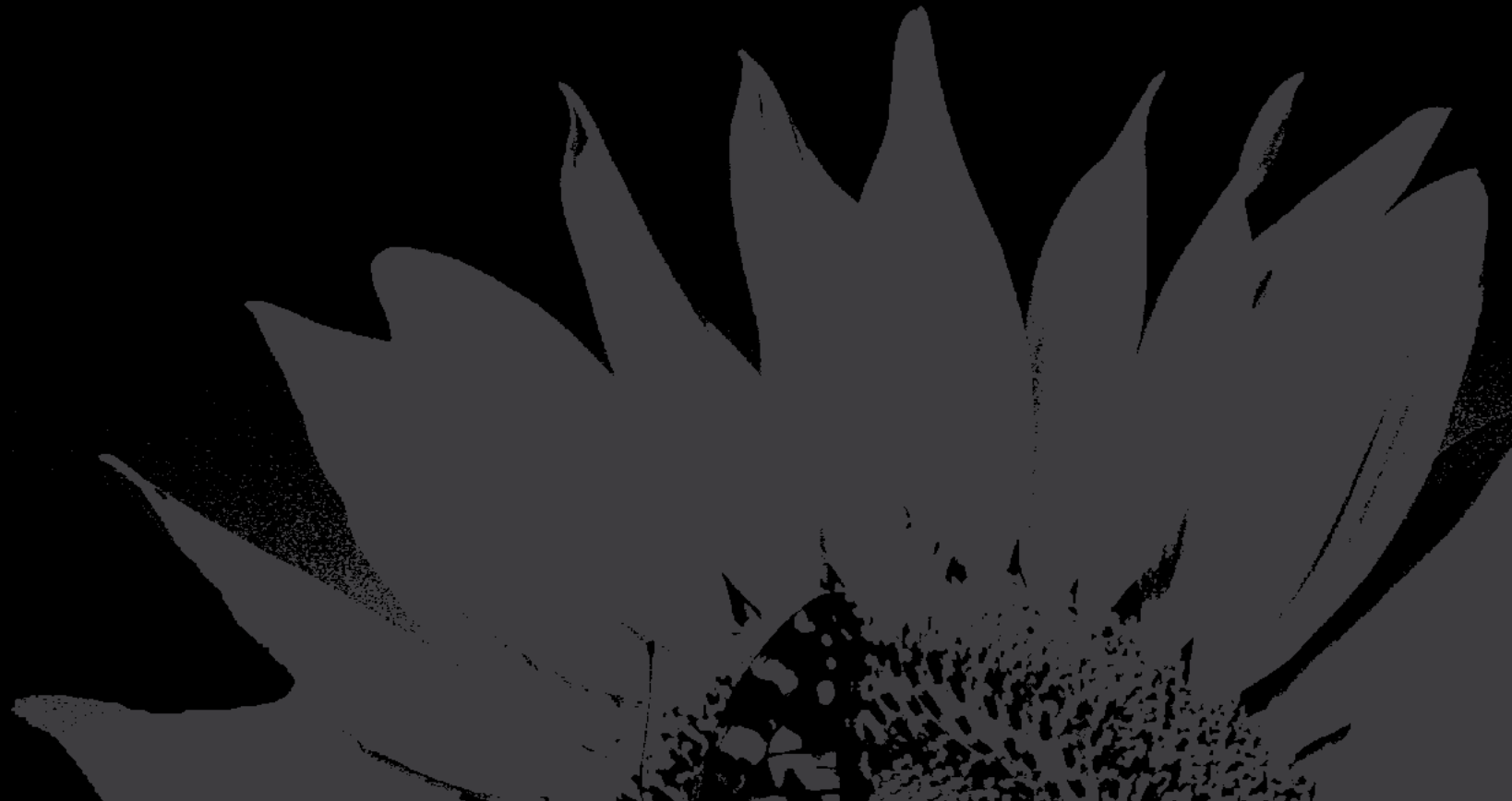
outdoor wood flooring

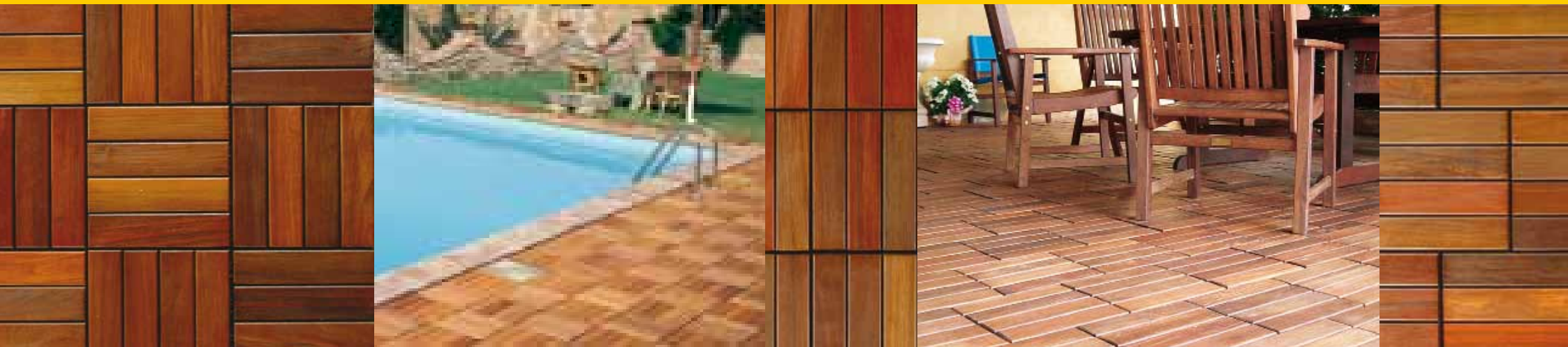
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# HORTUS, OUTDOOR WOOD FLOORING

Hortus is the outcome of years of experience and know-how in the outdoor flooring industry.

As a long-established group capable of guaranteeing top-quality woods and selected materials, we are proud to present this uniquely innovative, easy-fit product which has enormous potential for the international market.





Hortus is a range of outdoor wood floorings which includes two product lines: standard and decking. Hortus standard is a 300 x 300 mm or 300 x 600 mm tile with 32 or 37 mm total thickness, made by profiling and grooving wooden strips which are then mounted on a special plastic resin grid base. Hortus decking is made with wooden planks installed by simply clicking together the grid bases that support them. Plank dimensions are 1200 x 95 mm or 600 x 95 mm with a thickness of 32, 37 or 54 mm.



Hortus is the ideal solution for outdoor installations: the elegance, naturalness and inimitable warmth of natural wood is combined with the convenience and durability guaranteed by our exclusive technology. The product is available in two versions and in a wide range of sizes: Hortus has been designed to meet all of your needs. Just a click: easy to install on any surface and just as easy to remove.

Now you can make your outdoor areas as attractive as your indoor spaces, you can feel free to walk barefoot on decking that ensures long-lasting comfort and safety. Studied, designed and tested for outdoor areas, Hortus Floor can be installed and utilized on any level surface (concrete base, asphalt, ground, etc.). Hortus Decking Level makes it possible to install Hortus Floor products on uneven surfaces thanks to the adjustable supports. Today Hortus Decking has really no limits with new Decking Wall. Thanks to its extreme adaptability, the Decking can be installed also on the wall simply by using fir beams autoclave-treated and specific polypropylene grids. A special treatment protects the wood for outdoor use and prevents the wood from changing its colour to white or silver while the removable support (grid base) ensures fast, natural draining of water. To preserve the natural colouring of the wood simply apply our special water-based oil twice a year. For all of these reasons, and many more... Hortus is your quality choice!

Multipurpose and versatile, Hortus is the ideal solution for creating outdoor areas of outstanding comfort and elegance.

## HORTUS, LET YOUR IMAGINATION RUN FREE

Thanks to the warm texture of wood, Hortus floors blend in perfectly with natural surroundings creating the ideal conditions for relaxation and wellbeing.

Perfect around your pool, on your garden paths, gazebo or patio. Functional and hygienic for use in saunas, fitness centers, spas and beachside areas.

A versatile, practical floor solution for travelling exhibitions: there is really no limit to its potential applications. The easy installation and disassembly system makes Hortus ideal for temporary installations, such as seasonal use of public areas by hotels and restaurants. Hortus is also a practical and convenient solution for home: now any DIY enthusiast can quickly create a stunning outdoor deck in the complete confidence that they will be able to remove the flooring quickly if they move house, if an underground pipe breaks or if they simply wish to protect the wood tiles from harsh winter weather, as one does with garden furniture. Only Hortus makes it possible for anyone to create a small oasis of tranquility in their own backyard, patio or terrace, without the need for complex and expensive construction work.

Hortus floors are available in two finishes: striped, specifically designed for swimming pool decks, beach side areas and spas, where complete safety when walking barefoot is an essential requirement, or smooth, for patios, gardens and gazebos.



... in the COURTYARD



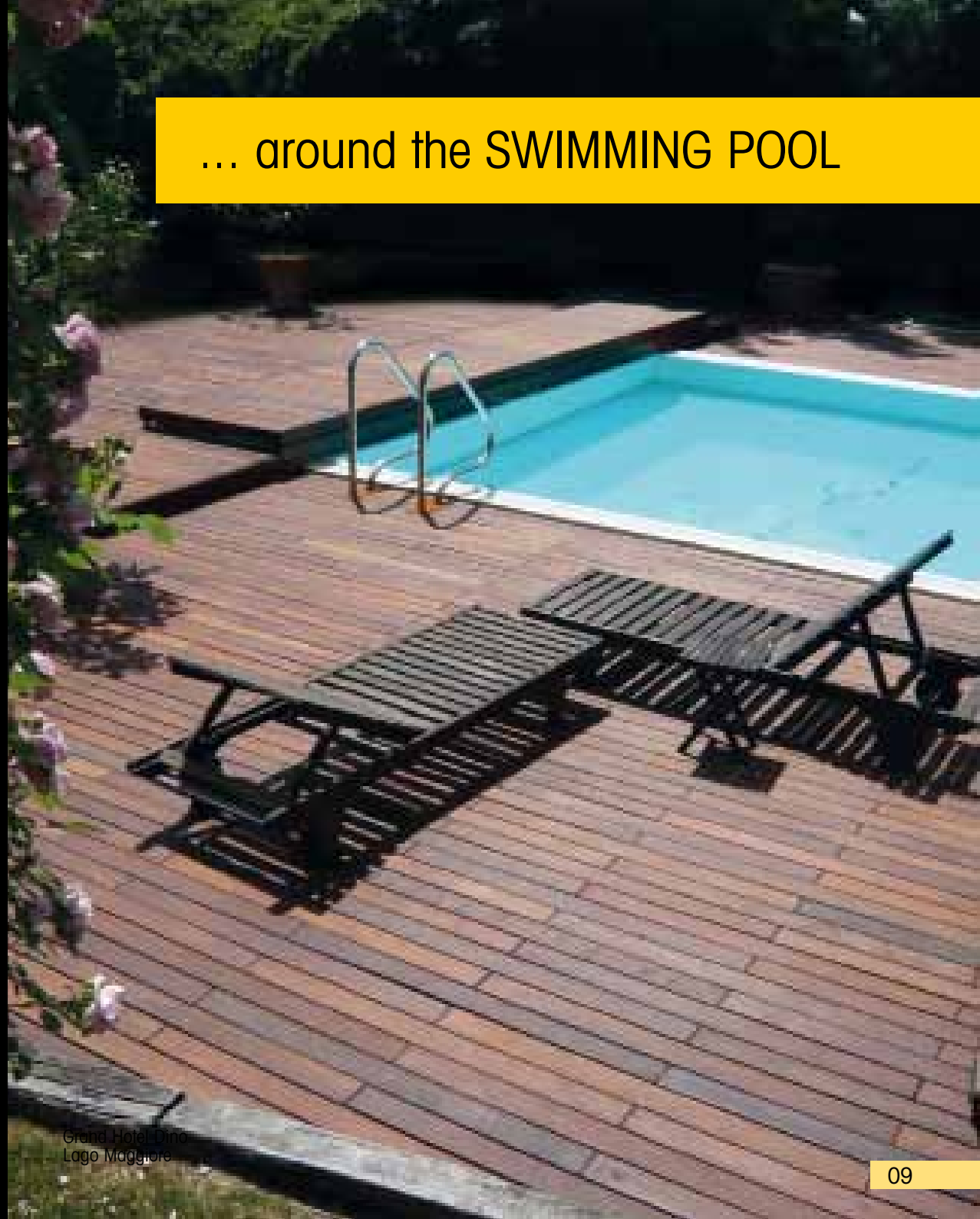


... in RESTAURANT





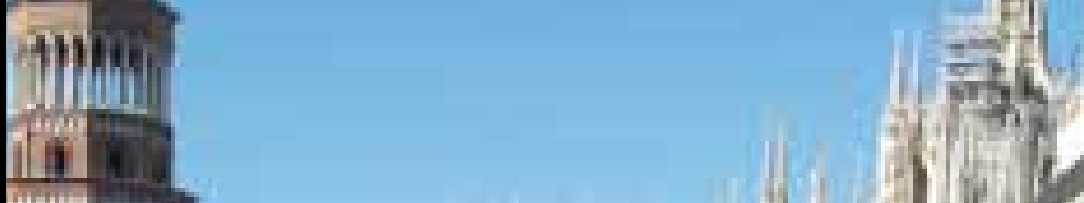
... around the SWIMMING POOL



... in WELLNESS CENTER



CATULLO Spa Center  
Sirmione (VR)



... on the TERRACE and on the VERANDA



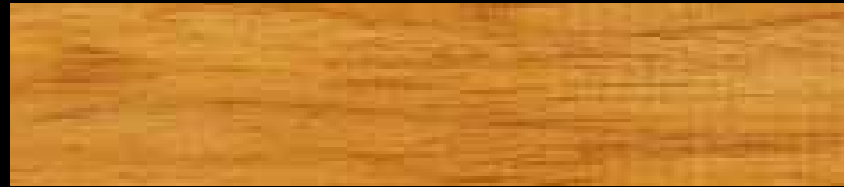
... on the WALL





## WOOD SPECIES

### TEAK



#### DESCRIPTION OF WOOD SPECIES

Found all over India and Malaysia, Teak (*Tectona grandis*) is a large tree which grows to 40 m tall and over 120 cm wide at chest height. It belongs to the large Verbenaceae family, which includes over 800 species (herbaceous and arboreal), the leaves are verticillate with hermaphroditic, zygomorphous flowers (not radiused and divided into two equal symmetrical halves) and the fruit is a pod. In the wild, the tree grows between the plains and hills up to 1000 m in mixed tropical hardwood forest; it is cultivated in many tropical and subtropical areas of Indonesia, where it reaches a smaller size (around 20/25 m high and 80/90 cm diameter). The trunks, which are only slightly tapered and regular in shape, are harvested after removing a circular strip of bark all around the plant.

#### TECHNICAL INFORMATION

DESCRIPTION: purple/brown heartwood without darker veining

VEINING: visible

TEXTURE: uniformly fine

APPEARANCE: oily - GRAIN: regular, wavy

RESISTANCE TO ALTERATION: high

DURABILITY (unassailable from moulds, germs and pathogens): very high

DENSITY (12% humidity): 0,58 - 0,70 g/cm<sup>3</sup>

IMPACT RESISTANCE: moderate

AVERAGE RESISTANCE TO AXIAL COMPRESSION: approx. 550 kp/cm<sup>2</sup>

AVERAGE RESISTANCE TO BENDING: approx. 1200 kp/cm<sup>2</sup>

AVERAGE MODULUS OF ELASTICITY: 110.000 kp/cm<sup>2</sup>

FISSILITY: low - HARDNESS: moderate - SWELLING: low

SHRINKAGE: low - DIMENSIONAL STABILITY: high

## IPÉ



### DESCRIPTION OF WOOD SPECIES

The Lapacho tree (*Tabebuia ipé*) grows in the mixed hardwood rain forest of Brazil. The plants reach a height of 30 m with a diameter at chest height of up to 1.4 m. The trunks are regularly shaped and not very tapered, with no branching below the first platform. Buttressed roots are generally not very large. Despite the large area in which they grow, imports are limited and the wood is not widely available. This dicotyledonous tree, a member of the Bignoniaceae family, of which the Paulownia is also a member and which includes around one hundred species, is known for its spectacular flowers. The flowers, which are hermaphroditic and zygomorphous, are grouped into determinate and indeterminate heads.

### TECHNICAL INFORMATION

DESCRIPTION: fresh heartwood is brown/greenish with yellow and red highlights

VEINING: perceptible

TEXTURE: very fine

APPEARANCE: oily - GRAIN: irregular and sometimes interlocked

DURABILITY (unassailable from moulds, germs and pathogens): high

RESISTANCE TO ALTERATION: high

DENSITY (12% humidity): 0,85 - 1,10 g/cm<sup>3</sup>

IMPACT RESISTANCE: moderate

AVERAGE RESISTANCE TO AXIAL COMPRESSION: approx. 750 kp/cm<sup>2</sup>

AVERAGE RESISTANCE TO BENDING: approx. 1600 kp/cm<sup>2</sup>

FISSILITY: low - HARDNESS: very high - SWELLING: medium / high

SHRINKAGE: medium / high - DIMENSIONAL STABILITY: moderate

## MASSARANDUBA



### DESCRIPTION OF WOOD SPECIES

The trees of Massaranduba (scientific name: *Manilkara Bidentata*) grow wildly in the rain forests of South America. They are found mostly in Brazil, Venezuela and Guiana but can also be found in the vast area between South America and the Amazon. The trees are of a large dimension about thirty meters high, with a shoulder-width diameter, rarely larger than 110 cm. The trunks are usually cylindrical, with few branches and often have low-laying buttresses at the base. The widespread diffusion of this broad-leaved species and the vastness of the areas where it grows makes it a sure bet for abundant supplies. Belonging to the Sapotaceae family (the same as the other tropical families such as the Moabi and Longhi etc.) it is characterized by leaves with an internal margin and with wide secretion canals and edible fruit. From the bark a lattice is withdrawn that is used in the production of rubber products such as golf balls, straps, specific shock absorbers etc.

### TECHNICAL INFORMATION

DESCRIPTION: fresh brown colour heartwood with red highlights

VEINING: absolutely imperceptible

FIBRE: wavy

APPEARANCE: oily - GRAIN: fine

DURABILITY (unassailable from moulds, germs and pathogens): medium / high

RESISTANCE TO ALTERATION: very high

DENSITY (12% humidity): 0,80 - 1,00 g/cm<sup>3</sup>

IMPACT RESISTANCE: high

FISSILITY: low

HARDNESS: high

SWELLING: medium / high

SHRINKAGE: medium / high - DIMENSIONAL STABILITY: moderate

# ASH

## DESCRIPTION OF WOOD SPECIES

The ash (scientific name: Fraxinus) is a genus of plants of the Oleaceae family, which includes about 65 species of deciduous trees or shrubs, originating in the temperate northern hemisphere. Generally have a rapid growth, managing to survive in harsh environments such as polluted areas, with salt or strong winds, resisting well even at low or high temperatures, the most common species in Italy are the Fraxinus excelsior known by the common name of ash, Fraxinus ornus known as the Omo or Orniello used for the production of manna and also commonly called Ash of manna or Tree of manna, Fraxinus angustifolia, known as Ash South.

The Fraxinus excelsior, known by the common name of major ash and common ash, is a widespread species from Asia Minor to Europe. It is a very large tree up to 40 m height, it is found throughout the Italian peninsula, in central North Appennino, where it prospers in phytoclimatology areas of Castanetum, Fagetum and more rarely Lauretum; It has a straight and cylindrical trunk, bark at first smooth and sallow, then turns gray-brown and fissured longitudinally, and the buds are velvety blackish color and large deciduous leaves with hermaphrodite flowers, the fruits are oblong-shaped samaras of variable shape. Wood ash is widely used because it is robust and yet lightweight and flexible. Wood major ash is clear white, with distinct rings and provided with large vessels in the spring area, elastic and resistant, the specific weight is 0.96 from fresh, and 0.66 by 0.72 by seasoned dry. It is easy to work and is used industrially for the production of plywood, flooring, furniture, rudders for boats and yachts, handles for tools and parts of musical instruments. Because of its elasticity and strength with its wood that once made skis.

## TECHNICAL INFORMATION - thermo treated ash

DESCRIPTION: warm brown / dark brown

GEOGRAPHICAL AREA OF VEGETATION: Europe

DENSITY (12% humidity): 0,55 - 0,65 g/cm<sup>3</sup>

TEXTURE: average - FIBRE: fairly straight and regular

DURABILITY (unassailable from moulds, germs and pathogens): very high

FISSILITY: fair

HARDNESS: medium / high

OXIDATION: average

SWELLING: medium / low

SHRINKAGE: medium / low - DIMENSIONAL STABILITY: medium / high

## ASH THERMO TREATMENT

Hortus floor for outdoor is made of European Ash coming from FSC certified forests. The heat treatment allows to obtain excellent results of durability of the wood over time, preventing the germination of mushrooms and moulds, without the use of nours and chemical and preservatives substances. With heat treatment, the cellular structure of wood changes permanently. The wood is, in fact, subjected to temperatures of about 200 °, under controlled humidity and atmospheric oxygen depletion. The intensity and duration of heat causing an accelerated aging of ligneous materials, resulting in an apparent color change of tone besides to a higher hardness and strength of the product. Heat is also able to alter irreversibly and permanently alter the molecular structure of the wood resulting in a gradient of swelling and withdrawal reduced. This particular heat treatment ensures dimensional stability far superior to those of untreated wood and helps them also to increase the strength similar to that determined by the natural aging of wood. The result of this heat treatment is a general darkening and homogeneous color tone. The various hues are obtained by treatment of different duration: more we prolong the heating process, darker will be the wood. With heat treatment, in addition, the splitting of the natural sugars present in the wood, gives a more uniform color and protects against mould and Xylophagia. The heat-treated products may also be considered as an ecological alternative to tropical woods: you can have a nice warm brown without having cleared the rainforest. Last but not less important, unlike the stained wood, the floors heat-treated can be sanded many times without ever losing their colour as the colour is also present within the wood due to heat treatment.



## WOOD FSC CERTIFIED

Thoughtful and lasting exploitation of resources for a forest economy environmentally and socially sensible

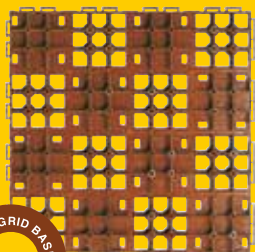
The FSC is an International ONG, independent and no-profit that includes among its members, environmental groups and social indigenous communities, forest owners, industries and trade wood working, scientists and technicians who work together to improve forest management worldwide. The FSC-Italia group, works in harmony with the goals and mission of the Forest Stewardship Council International. The idea was to use the market to meet the demands of consumers - more and more sensitive to environmental and social aspects of consumption - with supply of forest producers able to manage forests maintaining biodiversity and ecological functions and bringing real benefits to local communities. To do this it was necessary to create a certification system that would put in a position to recognize the end consumer of the products made with raw materials from sustainably managed forests according to criteria well defined and verifiable.

### THE STRENGTHS OF STANDARD FSC:

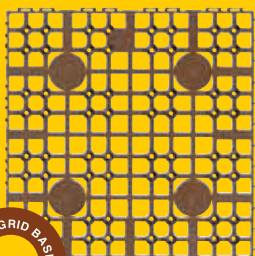
- The FSC label, identifies products which contain wood from forest managed in responsible manner and according to strict environmental, social and economic standards.
- The forest of origin was monitored and evaluated independently, in compliance with these standards (principles and criteria of goods forest management), established and approved by the Forest Stewardship Council a.c. through participation and consent of parts involved.
- The cutting of trees is done with care, and even after cutting the logs are processed carefully. This approach helps to minimize the impacts on the ecosystem and prevent social conflict.
- The FSC standard also requires that the "chain of custody" is certified, or that it is always possible to trace the forest of origin to a certain part of timber, even when this is combined with other consignments from non-certified forests, in the many steps that lead from the forest to the store.
- FSC certification ensures environmentally sustainable exploitation of forests, with no cuts and no illegal exploitation of workers engaged in the production cycle, from cutting the trees to the finished product.

file size  
(finished product with grid base):  
300 x 300 x 32 mm

ideal  
for level  
surfaces



polyethylene  
standard grid



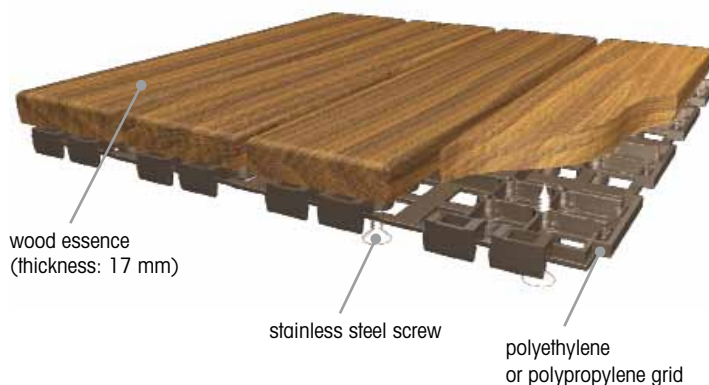
polypropylene  
light grid



# HORTUS®

## 300 x 300 TILE

outdoor wood flooring



### JUST A CLICK

The TILE 300 x 300 rests easily on any support and is removable with equal ease. For these characteristics, the TILE 300 x 300 is particularly suitable also for all temporary installations and not definitive, such as seasonal concession areas, hotels or restaurants. The TILE 300 x 300 is available in two versions: striped, specifically designed for swimming pool edges, for bathing areas, for spas and wellness centers, where security is essential, when walking barefoot and smooth, destined to patio, gazebo, gardens and saunas. The possibility to include LED lights in any part of the tile, makes this product particularly suitable for beautifying areas important from the point of view aesthetic as swimming pools, walkways, gardens and restaurants.

interlocking  
system



Easy-fit, removable wood flooring, consisting of wood tiles impregnated with water-based oil, total thickness 32 mm, made by fixing 4 wood strips to a draining plastic base.

## TECHNICAL CHARACTERISTICS

INDIVIDUAL STRIP SIZE: 292,5 x 70 x 17 mm (± 0,5 mm)

GAP BETWEEN STRIPS: 4 mm (± 0,8 mm)

BOX: 6 tiles (equivalent to 0,54 m<sup>2</sup>)

PALLET (95 x 95): 45 boxes (equivalent to 24,30 m<sup>2</sup>)

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF STANDARD GRID: polyethylene with optimal balance of physical properties.

DESCRIPTION OF LIGHT GRID: polypropylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

STANDARD GRID WEIGHT: 198 g

LIGHT GRID WEIGHT: 126 g

INDIVIDUAL TILE  
TEAK WEIGHT  
(with standard grid):  
1,17 kg approx.

INDIVIDUAL BOX  
TEAK WEIGHT  
(with standard grid):  
7,02 kg approx.

INDIVIDUAL PALLET  
TEAK WEIGHT  
(with standard grid):  
316 kg approx.

INDIVIDUAL TILE  
IPÈ WEIGHT  
(with light grid):  
1,75 kg approx.

INDIVIDUAL BOX  
IPÈ WEIGHT  
(with light grid):  
10,5 kg approx.

INDIVIDUAL PALLET  
IPÈ WEIGHT  
(with light grid):  
473 kg approx.

INDIVIDUAL TILE  
THERMO ASH WEIGHT  
(with light grid):  
1,10 kg approx.

INDIVIDUAL BOX  
THERMO ASH WEIGHT  
(with light grid):  
6,6 kg approx.

INDIVIDUAL PALLET  
THERMO ASH WEIGHT  
(with light grid):  
297 kg approx.

INDIVIDUAL TILE  
MASSARANDUBA  
WEIGHT  
(with light grid):  
1,60 approx.

INDIVIDUAL BOX  
MASSARANDUBA  
WEIGHT  
(with light grid):  
9,6 approx.

INDIVIDUAL PALLET  
MASSARANDUBA  
WEIGHT  
(with light grid):  
432 kg approx.



# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

TEAK



IPÈ



ASH



MASSARANDUBA



## STRIPED LINE

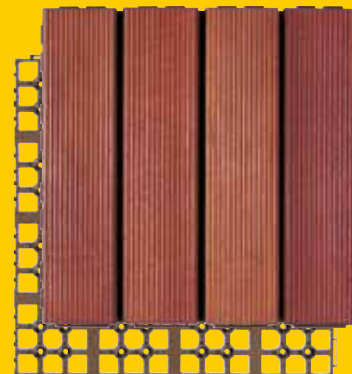
IPÈ



ASH

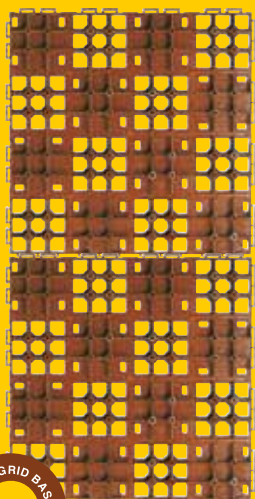


MASSARANDUBA



tile size  
(finished product with grid base):  
300 x 600 x 37 mm

ideal  
for level  
surfaces



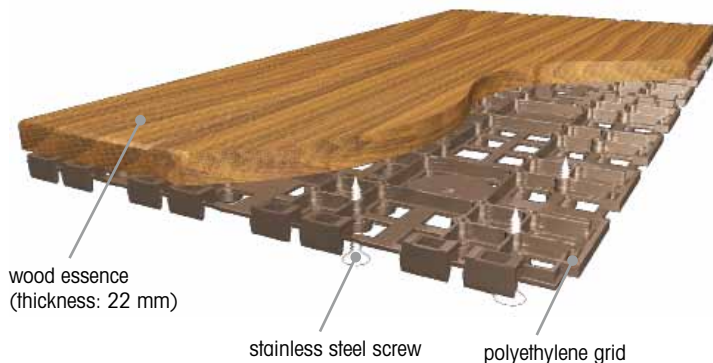
polyethylene  
standard grid



# HORTUS®

## 300 x 600 TILE *Large*

outdoor wood flooring



### SIMPLE AND VERSATILE

All the laying and removal ease of 300 x 300 tile is inserted also in the 300 x 600 tile which however, with its bigger format and with a higher thickness of wood, is able to guarantee a greater aesthetic value.

The 300 x 600 LARGE TILE is able to grant to every kind of external environment features of naturalness, functionality and preciousness combined with an aesthetic effect of minimal impact but very refined.

The flexibility and the versatility of use, ensured by the special laying system, allow also to the end user to pave the external space with absolute autonomy carrying out peacefulness oasis in own courtyard or terrace.

The 300 x 300 LARGE TILE is ideal for realizing projects in full harmony with the external environment, with the needs of contemporary life and in order to make our walking a very sensual experience.

interlocking  
system



Easy-fit, removable wood flooring, consisting of wood tiles impregnated with water-based oil, total thickness 37 mm, made by fixing 3 wood strips to a draining plastic base.

### TECHNICAL CHARACTERISTICS

INDIVIDUAL STRIP SIZE: 588 x 95 x 22 mm (± 0,5 mm)

GAP BETWEEN STRIPS: 4 mm (± 0,8 mm)

BOX: 6 tiles (equivalent to 1,08 m<sup>2</sup>)

PALLET (120 x 95): 30 boxes (equivalent to 32,4 m<sup>2</sup>)

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF GRID BASE: polyethylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

GRID BASE WEIGHT: 396 g

INDIVIDUAL STRIP IPÈ WEIGHT:  
1,25 kg approx.

INDIVIDUAL TILE IPÈ WEIGHT:  
4,15 kg approx.

INDIVIDUAL BOX IPÈ WEIGHT:  
24,9 kg approx.

INDIVIDUAL PALLET IPÈ WEIGHT:  
747 kg approx.

INDIVIDUAL STRIP THERMO ASH  
WEIGHT: 0,72 kg approx.

INDIVIDUAL TILE THERMO ASH  
WEIGHT: 2,56 kg approx.

INDIVIDUAL BOX THERMO ASH  
WEIGHT: 15,36 kg approx.

INDIVIDUAL PALLET THERMO ASH  
WEIGHT: 461 kg approx.

# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

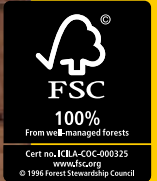
IPÈ



ASH



**THERMO**



## STRIPED LINE

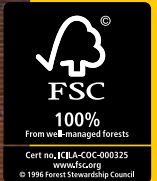
IPÈ



ASH

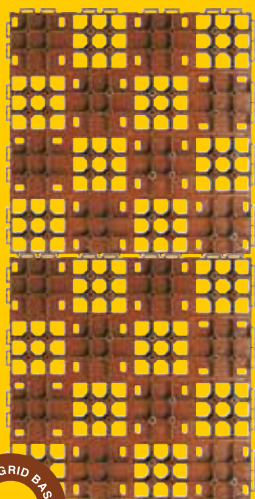


**THERMO**



tile size  
(finished product with grid base):  
300 x 600 x 32 mm

ideal  
for level  
surfaces

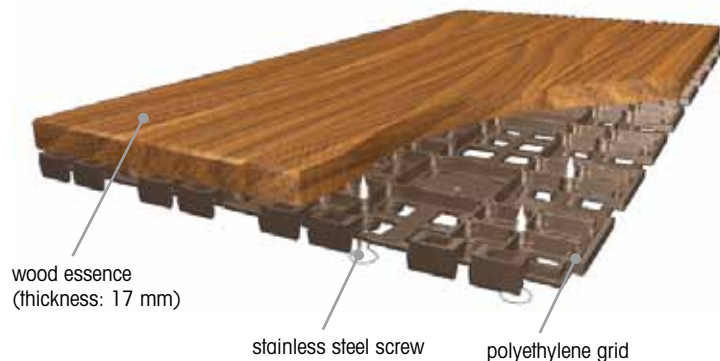


polyethylene  
standard grid



# HORTUS®

300 x 600 TILE *small*  
outdoor wood flooring



## MODULAR AND UNUSUAL

If we love parquet inside our life environments, all the more so on the outside the wood can represent the most sustainable flooring, less aggressive and clashing with the natural context but with the added value of remarkable potentialities of expression.

The modular structure of the 300 x 600 SMALL TILE allows to the designer to vary the arrangements and to obtain flooring solutions perfectly in line with the new trend of design and style. Indeed it's possible, thanks to the high flexibility of this format and to the various wood species, to chose different configurations which allow to customize the flooring on the basis of the project and of the functional and aesthetic needs of the environment for which it is chosen. The novelties of this format allow to realize a cross laying pattern which gives to the flooring a very refined and unusual course.

interlocking  
system



Easy-fit, removable wood flooring, consisting of wood tiles impregnated with water-based oil, total thickness 32 mm, made by fixing 4 wood strips to a draining plastic base.

## TECHNICAL CHARACTERISTICS

INDIVIDUAL STRIP SIZE: 588 x 70 x 17 mm (± 0,5 mm)

GAP BETWEEN STRIPS: 4 mm (± 0,8 mm)

BOX: 6 tiles (equivalent to 1,08 m<sup>2</sup>)

PALLET (120 x 95): 30 boxes (equivalent to 32,4 m<sup>2</sup>)

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF GRID BASE: polyethylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

GRID BASE WEIGHT: 396 g

INDIVIDUAL STRIP IPÈ WEIGHT:  
0,73 kg approx.

INDIVIDUAL TILE IPÈ WEIGHT:  
3,30 kg approx.

INDIVIDUAL BOX IPÈ WEIGHT:  
19,8 kg approx.

INDIVIDUAL PALLET IPÈ WEIGHT:  
594 kg approx.

INDIVIDUAL STRIP THERMO ASH  
WEIGHT: 0,49 kg approx.

INDIVIDUAL TILE THERMO ASH  
WEIGHT: 2,35 kg approx.

INDIVIDUAL BOX THERMO ASH  
WEIGHT: 14,1 kg approx.

INDIVIDUAL PALLET THERMO ASH  
WEIGHT: 423 kg approx.

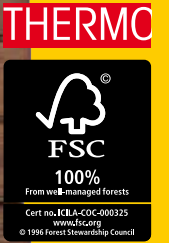
# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

IPÈ



ASH

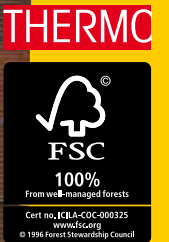


## STRIPED LINE

IPÈ



ASH



plank size  
(finished product with grid base):  
600 x 95 x 37 mm

ideal  
for level  
surfaces

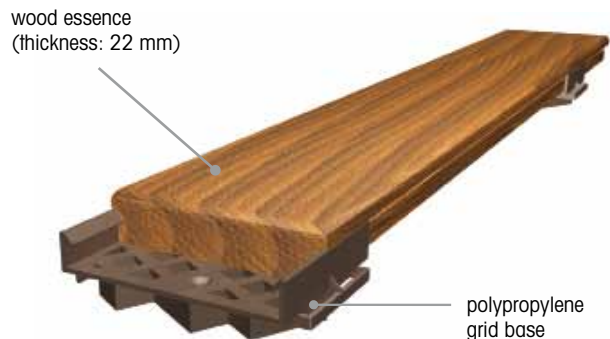


polypropylene Puzzle  
grid base  
(sold separately)



# HORTUS<sup>®</sup> DECKING

outdoor wood flooring *puzzle 600*



## ELEGANT, PRACTICAL AND RESISTANT

Hortus Decking Puzzle 600 represents the best solution for exteriors: the elegance, the naturalness and the inimitable colour of the wood match perfectly with ease of installation and resistance. This floor is very easy to install, just like a puzzle, without using screws or glue but simply fitting the male grid in the female one.

The warm grains of the wood emphasized by the stave's special dimension allow the Decking Puzzle 600 to conform to nature and to become the furnishing accessory ideal for relax and wellness. Hortus Decking Puzzle 600 is suitable for verandas, restaurants, terraces, around swimming pools, in gazebos and in garden paths.

Thanks to three different product versions and to the versatility determined by the stave's excellent dimension, the aim of Hortus Decking Puzzle 600 is to satisfy every kind of need.

interlocking  
system



Easy-fit, removable wood flooring, supplied without oil treatment, total thickness 37 mm; the wood strips are mounted on draining, removable plastic bases which are clicked together during installation.

## TECHNICAL CHARACTERISTICS

INDIVIDUAL PLANK SIZE: 600 x 95 x 22 mm (± 0,5 mm)

GAP BETWEEN PLANKS: 4 mm (± 0,8 mm)

BOX: 12 planks (equivalent to 0,684 m<sup>2</sup>)

PALLET (120 x 95): 56 boxes (equivalent to 38,3 m<sup>2</sup>)

AVERAGE NUMBER OF GRID BASES PER SQ.M.: 33 approx.\*

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF GRID BASE: polypropylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

GRID BASE WEIGHT: 25 g

INDIVIDUAL PLANK  
TEAK WEIGHT:  
0,70 kg approx.

INDIVIDUAL BOX  
TEAK WEIGHT:  
8,4 kg approx.

INDIVIDUAL PALLET  
TEAK WEIGHT:  
470 kg approx.

INDIVIDUAL PLANK  
IPÈ WEIGHT:  
1,25 kg approx.

INDIVIDUAL BOX  
IPÈ WEIGHT:  
15 kg approx.

INDIVIDUAL PALLET  
IPÈ WEIGHT:  
840 kg approx.

INDIVIDUAL PLANK  
THERMO ASH WEIGHT:  
0,62 kg approx.

INDIVIDUAL BOX  
THERMO ASH WEIGHT:  
7,44 kg approx.

INDIVIDUAL PALLET  
THERMO ASH WEIGHT:  
417 kg approx.

\*to calculate exactly on the basis of the area, the perimeter and the laying direction of the surface to cover.

# WOOD SPECIES AND FINISHING CHART

SMOOTH LINE

TEAK



IPÈ



ASH



THERMO



STRIPED LINE

ASH



THERMO



plank size  
(finished product with grid base):  
1200 x 95 x 37 mm

ideal  
for level  
surfaces



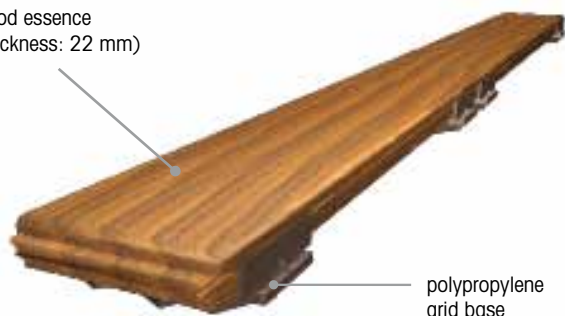
polypropylene Puzzle  
grid base  
(sold separately)



# HORTUS<sup>®</sup> DECKING

outdoor wood flooring *puzzle 1200*

wood essence  
(thickness: 22 mm)



polypropylene  
grid base

## MODERN AND SOPHISTICATED

Decking Puzzle 1200 is made with the wood species most suitable and durable for outdoor use: the thermo-treated ash and teak.

These essences don't fear the weather, wear, fungus attack, bacteria and molds and the signs of time, and provide an excellent relationship between price, quality and durability of the floor.

The planks are all equal and all sides have rounded edges for a refined look and to make safe and pleasant even trampling barefoot.

Decking puzzle 1200 is a resistant and durable flooring, suitable for: gardens, gazebo, around the swimming pool, loft, terraces, veranda, bridges, restaurants, walkways and any other level surface outdoors.

The essences of thermo ash and teak, are ideal, with the modernity of their colors, to enhance architectural quality and integrate perfectly with sophisticated and luxurious spaces and minimalist design.

interlocking  
system



Easy-fit, removable wood flooring, supplied without oil treatment, total thickness 37 mm; the wood strips are mounted on draining, removable plastic bases which are clicked together during installation.

## TECHNICAL CHARACTERISTICS

INDIVIDUAL PLANK SIZE: 1200 x 95 x 22 mm ( $\pm 0,5$  mm)

GAP BETWEEN PLANKS: 4 mm ( $\pm 0,8$  mm)

BOX: 6 planks (equivalent to 0,684 m<sup>2</sup>)

PALLET (120 x 95): 56 boxes (equivalent to 38,3 m<sup>2</sup>)

AVERAGE NUMBER OF GRID BASES PER SQ.M.: 33 approx.\*

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF GRID BASE: polypropylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

GRID BASE WEIGHT: 25 g

INDIVIDUAL PLANK  
TEAK WEIGHT:  
1,35 kg approx.

INDIVIDUAL BOX  
TEAK WEIGHT:  
8,1 kg approx.

INDIVIDUAL PALLET  
TEAK WEIGHT:  
454 kg approx.

INDIVIDUAL PLANK  
IPÈ WEIGHT:  
2,40 kg approx.

INDIVIDUAL BOX  
IPÈ WEIGHT:  
14,4 kg approx.

INDIVIDUAL PALLET  
IPÈ WEIGHT:  
806,5 kg approx.

INDIVIDUAL PLANK  
THERMO ASH WEIGHT:  
1,20 kg approx.

INDIVIDUAL BOX  
THERMO ASH WEIGHT:  
7,20 kg approx.

INDIVIDUAL PALLET  
THERMO ASH WEIGHT:  
403 kg approx.

\*to calculate exactly on the basis of the area, the perimeter and the laying direction of the surface to cover.



# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

TEAK



IPÈ



ASH



THERMC



## STRIPED LINE

ASH



THERMC



plank size  
(finished product with grid base):  
1200 x 95 x 54 mm

ideal  
for uneven  
surfaces



polypropylene Level  
grid base  
(sold separately)

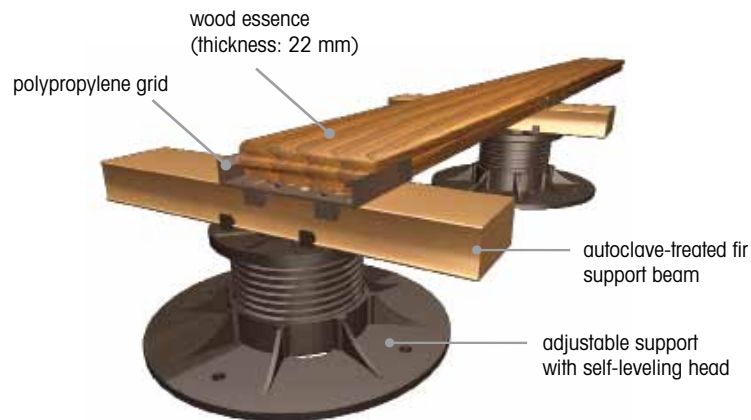


autoclave-treated fir support  
beam and adjustable support  
with self-leveling head  
(sold separately)

available also in aluminium  
support beam

# HORTUS® DECKING

outdoor wood flooring *level 1200*



## INNOVATIVE AND INGENUOUS

Thanks to an innovative system able to create a special support structure, it is possible to install Hortus Decking even on areas not leveled with the new HORTUS DECKING LEVEL.

Through the use of adjustable supports with self-leveling head of fir beams autoclaved treated and specific grids specially designed, it is now possible to lay the Decking even on undulating ground.

The decking has no more barriers and can ensure its beauty, its elegance and its naturalness even on surfaces where normally we do not expect to see installed a Decking.

This floor does not need any special maintenance, but it is necessary to treat it after the installation with our HORTUS OIL, the special water-repellent oil that, in addition to maintaining the warm wood chromaticity, limits aggression by weathering.

interlocking  
system



Easy-fit, removable wood flooring, supplied without oil treatment, total thickness 54 mm, specifically designed for uneven surfaces thanks to the installation on fir beams with adjustable supports to compensate for differences in level. The wood planks are mounted on draining, removable plastic bases which are clicked together during installation.

## TECHNICAL CHARACTERISTICS

INDIVIDUAL PLANK SIZE: 1200 x 95 x 22 mm (± 0,5 mm)

GAP BETWEEN PLANKS: 4 mm (± 0,8 mm)

BOX: 6 planks (equivalent to 0,684 m<sup>2</sup>)

PALLET (120 x 95): 56 boxes (equivalent to 38,3 m<sup>2</sup>)

AVERAGE NUMBER OF GRID BASES PER SQ.M.: 25 approx.\*

AVERAGE NUMBER OF ADJUSTABLE SUPPORTS PER SQ.M.: 5,6 approx.\*

AVERAGE NUMBER OF FIR SUPPORT BEAMS PER SQ.M.: 0,8 approx.\*

OXIDATION: natural of wood specie

CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.

DESCRIPTION OF GRID BASE: polypropylene with optimal balance of physical properties.

TEMPERATURE RESISTANCE: no alterations between -20° and +70 °

GRID BASE WEIGHT: 25 g

FIR SUPPORT BEAM SIZE: 2100 x 61 x 30 mm

INDIVIDUAL PLANK  
TEAK WEIGHT:  
1,35 kg approx.

INDIVIDUAL BOX  
TEAK WEIGHT:  
8,1 kg approx.

INDIVIDUAL PALLET  
TEAK WEIGHT:  
454 kg approx.

INDIVIDUAL PLANK  
IPE WEIGHT:  
2,40 kg approx.

INDIVIDUAL BOX  
IPE WEIGHT:  
14,4 kg approx.

INDIVIDUAL PALLET  
IPE WEIGHT:  
806,5 kg approx.

INDIVIDUAL PLANK  
THERMO ASH WEIGHT:  
1,20 kg approx.

INDIVIDUAL BOX  
THERMO ASH WEIGHT:  
7,20 kg approx.

INDIVIDUAL PALLET  
THERMO ASH WEIGHT:  
403 kg approx.

\*to calculate exactly on the basis of the area, the perimeter and the laying direction of the surface to cover.

# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

TEAK



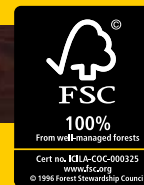
IPÈ



ASH



THERMC



## STRIPED LINE

ASH



THERMC



plank size  
(finished product with grid base):  
600 x 95 x 54 mm

ideal  
for level  
surfaces



polypropylene Wall  
grid base  
(sold separately)



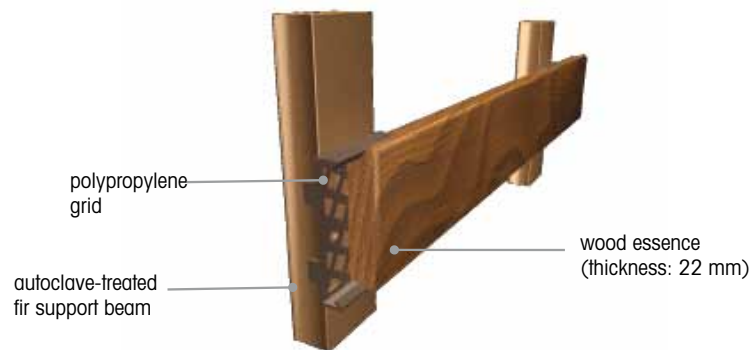
autoclave-treated  
fir support beam  
(sold separately)

available also in aluminium  
support beam

# HORTUS®

## DECKING

outdoor wood flooring *wall 600*



### BEYOND THE LIMITS

Today Hortus Decking really knows no limits with new Decking Wall. Thanks to its extreme adaptability, the decking can be installed on the wall simply by using treated fir beams autoclave-treated and specific polypropylene grids. With HORTUS DECKING WALL it is possible to realize both inside and outside your home, office, hotel, shop and walls with a high visual impact. Between all types of coatings, the coating on wood is one of the most beautiful, durable and livable...

Any outdoor wood paneling creates an oasis symbiotic with the environment. To live surrounded by the wood causes the instinctive feeling of being in contact with nature... creating a state of absolute well-being. HORTUS DECKING WALL follows the trend of architecture studios to enhance the walls of homes, offices, buildings and hotels with the charm of a wood coating, which combined with minimalist architectural styles and design, creates unique visual effects.

interlocking  
system



Easy-fit covering, supplied without oil treatment, total thickness 54 mm, suitable for the installation on internal and external wall of houses, stores and offices thanks to the assembly on fir beam fasten directly on the wall through screws and ancors. The covering is composed of wood planks which are clicked together during installation.

### TECHNICAL CHARACTERISTICS

INDIVIDUAL PLANK SIZE: 600 x 95 x 22 mm (± 0,5 mm)
GAP BETWEEN PLANKS: 4 mm (± 0,8 mm)
BOX: 12 planks (equivalent to 0,684 m <sup>2</sup> )
PALLET (120 x 95): 56 boxes (equivalent to 38,3 m <sup>2</sup> )
AVERAGE NUMBER OF GRID BASES PER SQ.M.: 36 approx.*
AVERAGE NUMBER OF FIR SUPPORT BEAMS PER SQ.M.: 1,7 approx.*
OXIDATION: natural of wood specie
CARE: just after the installation, rush tiles with a coating of our special ready-to-apply Hortus oil. Repeat normally once a year or depending on type of application.
DESCRIPTION OF GRID BASE: polypropylene with optimal balance of physical properties.
GRID BASE WEIGHT: 25 g
FIR SUPPORT BEAM SIZE: 2100 x 61 x 30 mm

INDIVIDUAL PLANK  
TEAK WEIGHT:  
0,70 kg approx.

INDIVIDUAL BOX  
TEAK WEIGHT:  
8,4 kg approx.

INDIVIDUAL PALLET  
TEAK WEIGHT:  
470 kg approx.

INDIVIDUAL PLANK  
IPE WEIGHT:  
1,25 kg approx.

INDIVIDUAL BOX  
IPE WEIGHT:  
15 kg approx.

INDIVIDUAL PALLET  
IPE WEIGHT:  
840 kg approx.

INDIVIDUAL PLANK  
THERMO ASH WEIGHT:  
0,62 kg approx.

INDIVIDUAL BOX  
THERMO ASH WEIGHT:  
7,44 kg approx.

INDIVIDUAL PALLET  
THERMO ASH WEIGHT:  
417 kg approx.

\*to calculate exactly on the basis of the area, the perimeter and the laying direction of the surface to cover.

# WOOD SPECIES AND FINISHING CHART

## SMOOTH LINE

TEAK



IPÊ



ASH

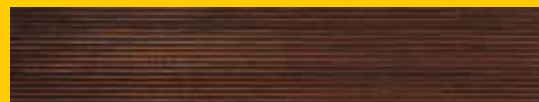


THERMO



## STRIPED LINE

ASH



THERMO



## THE GRID BASES

The uniqueness of Hortus products comes from the outstanding combination of superior quality woods with the innovative (patented) grid base system used for installation. This system uses modular removable plastic supports with side joint connections and spacers.

The grid base ensures fast, natural drainage of water and humidity, while the resting support guarantees excellent stability and maximum capacity. In addition to all this, the interlocking tabs can be clicked together without the need for tools. These characteristics make installation and removal operations extremely fast and easy, they give the floor excellent draining properties and allow installation on any type of level surface.

Hortus grid bases come in two different materials: the classic polyethylene grid base, which is heavier and therefore also suitable for slightly uneven surfaces, and the new light polypropylene grid base, lighter and more economical for level surfaces. The polyethylene grid base has a very high capacity (1000 kg/m<sup>2</sup>) and enable the application of Hortus floors even in traffic areas subject to high dynamic stress.

### TECHNICAL CHARACTERISTICS STANDARD GRID

DESCRIPTION: polyethylene with optimal balance of physical properties

HARDNESS: high

IMPACT RESISTANCE: high

SOLUBILITY IN WATER: not determined

SOLID DENSITY: 0.88-0,92 g/cm<sup>3</sup>

IMPACT RESISTANCE: non-deformable up to -20°

RIGIDITY: high loadbearing capacity

TEMPERATURE RESISTANCE: no alterations between -20° and +70°

CAPACITY: 1000 kg/m<sup>2</sup>

FLEXIBILITY: good

SCRATCH RESISTANCE: high

RESISTANCE TO ORGANIC CHEMICALS: excellent

### TECHNICAL CHARACTERISTICS LIGHT AND DECKING GRID

DESCRIPTION: polypropylene with optimal balance of physical properties

HARDNESS: high

IMPACT RESISTANCE: high

SOLUBILITY IN WATER: not determined

IMPACT RESISTANCE: non-deformable up to -20°

RIGIDITY: high loadbearing capacity

TEMPERATURE RESISTANCE: no alterations between -20° and +70°

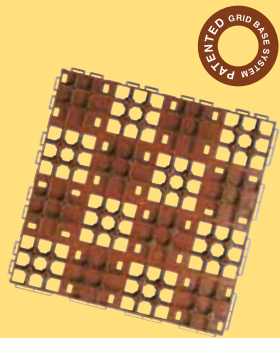
FLEXIBILITY: good

SCRATCH RESISTANCE: high

RESISTANCE TO ORGANIC CHEMICALS: excellent

## HORTUS 300 x 300 and 300 x 600 TILE

### Standard polyethylene grid base

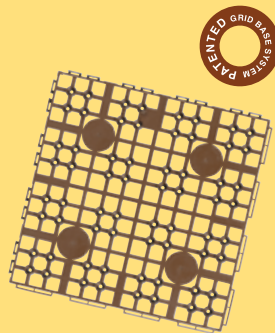


This grid base, combined with 300 x 300 and 300 x 600 tiles, will adapt to any kind of surface and thanks to its sturdiness and heavy weight can be laid even on slightly uneven surfaces.

**SIZE:** 300 x 300 mm

**WEIGHT:** 198 g

### Light polypropylene grid base



This grid base (applicable only with 300 x 300 tiles) is lighter and more economical and is designed specifically for installation on level surfaces.

**SIZE:** 300 x 300 mm

**WEIGHT:** 126 g

### Polypropylene Puzzle grid base (sold separately)



Designed especially for Decking Puzzle 600 and 1200, this grid base will adapt perfectly to any type of level surface. Thanks to its size and light weight, it guarantees extremely fast and easy installation.

**SIZE:** 100 x 70 mm

**WEIGHT:** 25 g

**PACKAGING:** 200 pcs per box

**BOX WEIGHT.:** 5 Kg

### Polypropylene Level and Wall grid base (sold separately)



Specifically designed for Hortus Decking Level, this grid base has a particular structure with tongues both on the top and bottom side. The tongues on the bottom side enable perfect fastening with the support beams throughout the floor.

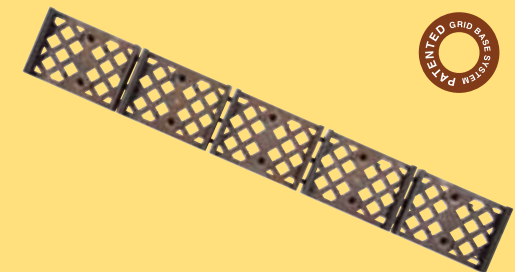
**SIZE:** 100 x 70 mm

**WEIGHT:** 20 g

**PACKAGING:** 200 pcs per box

**BOX WEIGHT.:** 4,40 Kg

### 5 polypropylene grids Set for Decking Puzzle (sold separately)



Studied on purpose for Decking Puzzle 600 and 1200, this 5 grids set, already joined together, is very useful for speeding up the installation times of Decking Puzzle on wide areas and for reducing the cost incidence of the grids on the whole flooring. This grids set doesn't replace the single grid because near to the borders of the flooring it is necessary to use the single grids in order to take advantage of their better flexibility.

**SIZE:** 500 x 70 mm

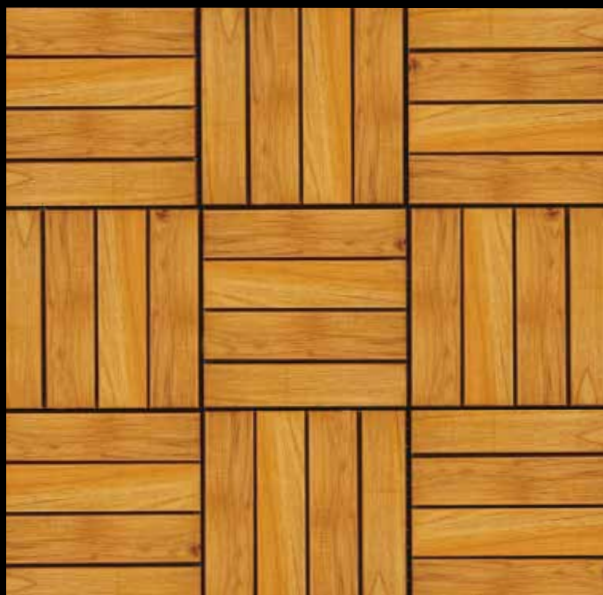
**WEIGHT:** 120 g

**PACKAGING:** 105 pcs per box

**BOX WEIGHT:** 12,6 Kg

# INSTALLATION

## CHECKERBOARD pattern



Hortus 300 x 300 TILES - checkerboard pattern

Surface covered: 0,81 m<sup>2</sup> approx.

## 300 x 300 TILE



1 Place the first tile in a corner of the area to be covered, laying it with the strips in a vertical direction.



2 Click the female joints of the first tile onto the male joints of the second tile, which will be placed with the strips in a horizontal direction.



3 Install all the tiles alternating horizontal and vertical strip direction.



4 When clicking into place the second tile of the second row, lift all the tiles already laid because in this corner you will have two male joints.



5 To click in the new tile, you need to ensure that the female joints are inserted under the male joints of the laid tiles.



6 When clicking into place the third tile of the second row, lift the previous tile in the same row, so you click the male joints into the female joints of the new tile.



7 For the tile side that clicks onto the first row, simply click the male joints into the female joints of the corresponding tile.



8 Example shows correctly installed floor.



## 300 x 300 TILE

### LINEAR pattern



Hortus 300 x 300 TILE - linear pattern

Surface covered: 0,81 m<sup>2</sup> approx.



1 Place the first tile in a corner of the area to be covered, placing the sides of the grid with the female joints towards the area where you want to lay the floor.



2 Click the male joints of the second tile into the female joints.



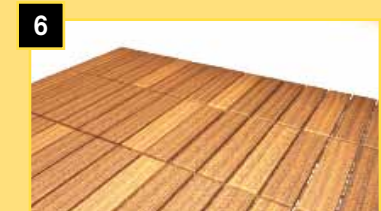
3 Lay the tiles of the second row and make sure that the male joints click into the female joints of the first row.



4 Click the tiles of the second row (except for the first tile) into the tiles of the first row and into the tiles already laid in the second row.



5 Make sure that the two sides of the tiles you have laid have female joints and that in the two corresponding sides of the tile to be clicked in you have male joints.



6 Example shows correctly installed floor.

## 300 x 600 LARGE TILE

### LINEAR pattern



Hortus 300 x 600 LARGE TILE - linear pattern

Surface covered: 1 m<sup>2</sup> approx.



1 Place the first tile in a corner of the area to be covered, placing the sides of the grid with the female joints towards the area where you want to lay the floor.



2 Click the male joints of the second tile into the female joints.



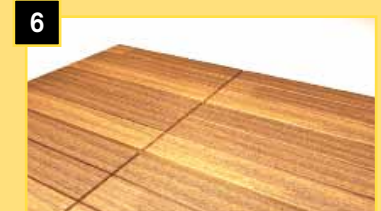
3 Lay the tiles of the second row and make sure that the male joints click into the female joints of the first row.



4 Click the tiles of the second row (except for the first tile) into the tiles of the first row and into the tiles already laid in the second row.



5 Make sure that the two sides of the tiles you have laid have female joints and that in the two corresponding sides of the tile to be clicked in you have male joints.



6 Example shows correctly installed floor.

## 300 x 600 SMALL TILE

### CHECKERBOARD pattern



Hortus 300 x 600 SMALL TILE - checkerboard pattern

Surface covered: 1,44 m<sup>2</sup> approx.

1



Lay the first tile in a corner of the area to be covered taking care to place the long side of the grid with the female joints towards the area where you want to lay the floor.

2



Click the male joints on the long side of the grid of the 2<sup>nd</sup> tile into the female joints on the long side of the grid of the 1<sup>st</sup> tile.

3



Install the 3<sup>rd</sup> and the 4<sup>th</sup> tile insuring to place the strips composing tiles in perpendicular way compared to the ones of the first two tiles laid.

4



In order to insert the female joints on the long side of the tile which you are laying into the male joints on the short side of the first 2 tiles laid, lift slightly up the short sides of the first two tiles laid in order to allow to the female joints of the tile which you are laying to slide under it.

5



Fasten the 4<sup>th</sup> tile lifting up the long side with the male joints of the 3<sup>rd</sup> tile just laid in order to allow to the female joints of the tile which you are laying to slide under them.

6



Install the 5<sup>th</sup> and 6<sup>th</sup> tile inserting the male joints on the short side of the tiles which you are laying into the female joints on the long side of the 2<sup>nd</sup> tile laid. Fasten the 6<sup>th</sup> tile with the 5<sup>th</sup> inserting the male joints on the long side of the 6<sup>th</sup> tile into the female joints on the long side of the 5<sup>th</sup> tile.

7



Verify that all the laid tiles create some squares of 60 x 60 cm. In order to make this, place two tiles with the strips parallel and then lay the neighbouring tiles with the strips put in perpendicular way.

8



Lay the 7<sup>th</sup> and the 8<sup>th</sup> tile taking care that the strips are placing in perpendicular way compared to the ones of the neighbouring tiles.

9



In order to install the 7<sup>th</sup> and the 8<sup>th</sup> tile, seeing that you find on the right side male joints (3<sup>rd</sup> and 4<sup>th</sup> tile) and on the left side female joints (6<sup>th</sup> tile), before it's necessary to lift up the tiles with the male joints in order to make slide under them the female joints on the long side of the tile which you are laying and then to insert the male joints on its short side into female joints of 6<sup>th</sup> tile.

10



Example shows correctly installed floor. Continue in the way previously illustrated for all the following tiles until to the end of installation.

## RUNNER pattern



Hortus Decking Puzzle 600 - runner pattern

Surface covered: 0,86 m<sup>2</sup> approx.



1 Lay the grids in vertical rows at a distance of 30 cm from one another (considering the center of the grid base).  
N.B. Allow a distance of 26.5 cm. between the first row of grid bases and the second.



2 Place the first plank so that the end of the plank in the initial part of the floor covers the entire grid base of the first row. The end of the plank on the other side should reach the middle of the grid base of the third row.



3 Lay all the planks of the first row. Cut the first plank of the second row in half and lay it so that the head of the plank reaches the middle of the grid base that is part of the second row of grid bases.



4 To correctly insert the planks it is important to lay the plank at a 45° angle on the grid bases, resting it on its long side.



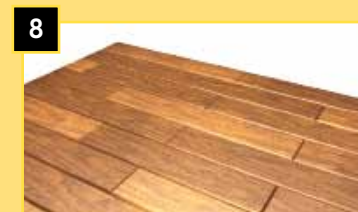
5 Ensure you have correctly laid the plank at a 45° angle on the long side from the part of floor already laid and with the end perfectly matching the end of the previous plank.



6 After inserting the plank at a 45° angle in the top part of the grid bases, push down hard on the side of the plank which has not been snapped into the grid bases, until you hear a clicking sound.



7 Repeat the above steps with all the planks making sure that the ends of the planks are in line on alternate rows.



8 Example shows correctly installed floor.

N.B. Near to the borders of the flooring glue or screw the heads of the staves with the grids below in order to avoid the sliding of the staves outwards.

## RUNNER pattern



Hortus Decking Puzzle 1200 - runner pattern

Surface covered: 1 m<sup>2</sup> approx.



**1** Place the grids in vertical rows with the following distances: 1° row at 1 cm from the beginning of the flooring (that is, 1 cm from the head of the plank that will be installed), the 2° row at 44 cm from the 1° row (that is, leaving an empty space of 44 cm), the 3° row at 2 cm from the 2° row, the 4° row at 44 cm from the 3° row, the 5° row at 2 cm from the 4° row, etc.



**2** Put the first plank inserting the upper fins of the grids of the first row, in the longitudinal groove on the side of the plank.  
To do this, tilt the plank on the long side and push it towards the upper fins. Once inserted the upper fins in the groove, lay the other side of the plank on the lower fins of the first row of grids.



**3** Firmly push down the side of the plank not yet fixed on the fins of the grids until you hear a click.



**4** After having laid down all the planks of the first row, cut, in half the first plank of the second row and place the piece of plank making sure that the head with the female dap joint ends in the side in which it is foreseen the installation of the flooring.



**5** Before to fix the piece of cut plank in the grids, it is necessary to insert the tapped head of the plank in the dap joint female of the head of the previous plank.



**6** Verify that the dap joint (male-female) of the 2 planks that are being installed, ends exactly in the middle of the two rows of grids 2 cm far off each other.



**7** After having combined the heads of the 2 planks and having fixed the groove on the long side of the same planks in the upper fins involved in the assembly, place the other long side of the planks on the lower fins of the grids below.



**8** Press firmly down on the long side of the 2 planks not yet fixed in the fins of the grids until you hear a click. Make sure you have not to hook the final part of the right plank in the grid below so as to enable the insertion of the male dap joint in the next plank.



**9** Repeat the above steps with all the planks making sure that the ends of the planks are in line on alternate rows.

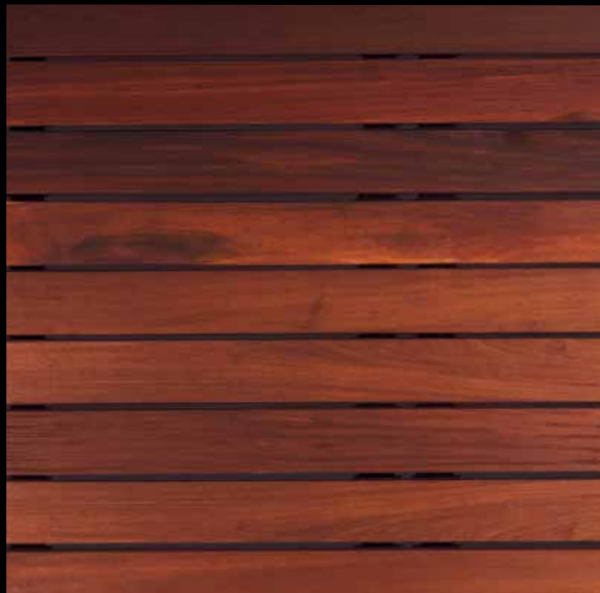


**10** Example shows correctly installed floor.

N.B. Near to the borders of the flooring glue or screw the heads of the staves with the grids below in order to avoid the sliding of the staves outwards.

## DECKING LEVEL 1200

### LINEAR pattern



Hortus Decking Level 1200 - linear pattern

Surface covered: 1 m<sup>2</sup> approx.



1 Place the adjustable supports in vertical rows leaving 60 cm between beams and 60 cm between supports in the direction of the beam.



2 Adjust the height of the self-leveling head to compensate for differences in level. Insert the fir beam inside the joints on top of the self-leveling heads.



3 Click the grid bases into the fir beam, make sure that the large tongues on the grid bases face up.



4 Insert the female joint of the plank you are laying into the male joint of the plank you have already laid. Make sure that the ends of the two planks reach the middle of the grid base under them.



5 After inserting the heads of the two consecutive planks, push the two planks down hard to click them into the grid base.



6 Make sure that the plank has also clicked into the grid base installed on the next beam.



7 Use a screw to secure the last row of grid bases before the reducer strips to prevent the planks from slipping out during use.



8 Make sure that you have correctly laid the plank at a 45° angle on the long side from the part of the floor that you have already laid and with the end matching the end of the previous plank.

N.B. Near to the borders of the flooring glue or screw the heads of the staves with the grids below in order to avoid the sliding of the staves outwards.

## RUNNER pattern



Hortus Decking Wall 600 - runner pattern

Surface covered: 1 m<sup>2</sup> approx.



Place the fir support beam in vertical rows leaving 30 cm between the middle of the beams. Furthermore, make sure with a spirit level that the beams are placed in perpendicular way relative to the ground. N.B. The distance between the middle of the first beam and the center of the second must be 26,5 cm in order to allow the plank to cover completely the first grid.



Make with a drill, directly on the beam, a series of holes leaving 60 cm between holes (in vertical direction) and with a depth of about 11/12 cm. Insert rawplugs, with a length of 10 cm and a diameter of 8 mm, directly on the beam and screw until to fix firmly the beam on the wall.



Click the grids of Decking Wall to the fir support beams by means of the 4 fasteners placed on the back of the grids.



Starting from the ground, screw the first rows of grids on the beam (until about 25% of the total height) with 2 screws in order to guarantee stability to the whole structure and to allow the grids nearest to the ground to carry the weight of all planks above. The remaining grids (beyond 25% of the total height) can stay not screwed on the beam.



To correctly install the covering it is important to lay the plank at a 45° angle on the grids resting it on its long side. After inserting the plank at a 45° angle in the bottom part of the grids, push hard, toward the wall, on the side of the plank which has not been snapped into the grids until you hear a clicking sound.



Making sure that the head of the plank, on the side in which you mean to continue with the covering, reaches exactly the middle of the grids clicked on the third beam. Insert, in the same way, all the other planks of the first line. After laying all the planks of the first line, cut the first plank of the second line in half and lay it so that the head of the cut plank reaches the middle of the grid clicked on the second beam.



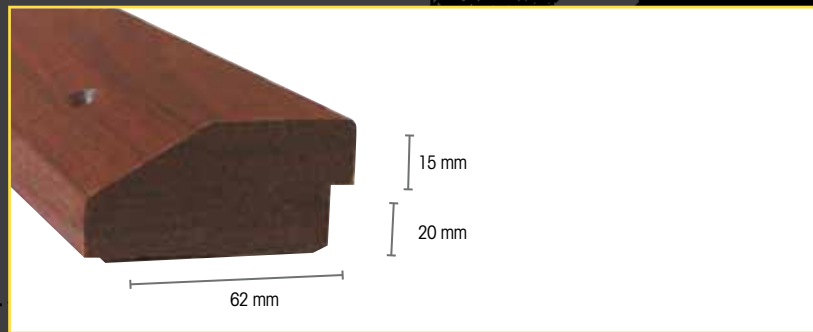
Repeat the above steps with all the planks making sure that the ends of the planks are in line on alternate rows.



Example shows correctly installed covering on the wall.

N.B. Near to the borders of the flooring glue or screw the heads of the staves with the grids below in order to avoid the sliding of the staves outwards.

## HORTUS ACCESSORIES



**Reducer**

2.10 m reducer bar, lpe wood. Fastens with screws and anchors.



**L-shaped edge bar**

L-shaped edge bar, lpe wood. 2.10 m. bar. Fastens with screws and anchors.

## HORTUS DECKING ACCESSORIES



**Adjustable support**

Adjustable support with self-levelling head especially studied for Hortus Decking Level. Feasible heights: from 9,15 cm (support height: 3,75 cm) to 60,4 cm (support height: 55 cm).



**Fir beam**

Support fir beam, autoclave-treated, specifically designed for Hortus Decking Wall and Hortus Decking Level. Size: 2100 x 61 x 30 mm





### Special wood care oil

Our special ready-to-use oil for the treatment and care of Hortus floorings. Consumption: approx. 1 litre of HORTUS OIL every 10 m<sup>2</sup> of flooring (100 ml/m<sup>2</sup>). Sizes: 1 or 5 litres.



### Aluminium beam

Support fir beam, specifically designed for Hortus Decking Wall and Hortus Decking Level.  
Size: 2000 x 60,5 x 20 mm

## EYELED ACCESSORIES



### External eyed

External eyed with stainless steel cable (IP67) water, dust and impact resistant with 6 mm diameter cable.



### Junction box

Junction box for 2 water-resistant eyelets (IP67).



### Supply cable

Supply cable with transformer for water-resistant outdoor eyed (IP67). Max. 30 eyelets.  
Length 6 m.



### Extension

PVC extension, length up to 10 m.

# PACKAGING

300 x 300 tile box



300 x 600 tile box



Decking box



# DISPLAY

Totem Hortus



# HORTUS FSC CERTIFICATION

Through the certification of a responsible and thoughtful use of forest resources, Prati Group S.p.A. really contributes to the preservation of forest worldwide.

PRATI GROUP S.p.A. reached in November 2009, an important goal: it has been certified that the management system of chain of custody provided by Prati Group S.p.A. complies with the standard FSC-STD-40-004 Version 2-0 for the product line countermarked with the logo Hortus FSC 100%. The FSC chain of custody certification is a real guarantee for the consumer who has the ability to make a conscious choice and thus contribute actively to the conservation and improvement of woody property and worldwide forest.



# WOOD STABILITY AND BEHAVIOUR

The products stability is guarantee by the correct moisture level of the wood obtained through the drying up process and the compulsory use of the Hortus Oil that must be applied after the installation and successively once or twice a year depending on the destination of use.

Wood is a natural material that is subject to an elevated Thermal stress when it is exposed to the atmospheric agents despite it is treated and selected. The alternation of the day, the night, the summer, the winter, the rain and the sun subject the wood to make a continuous effort in finding a balance between the interior and exterior moisture degree. The creation of slits is essentially caused by the naturalness of the wood and it means that is not absolutely a defect of the product.

The presence of staves which show torsion both in lengthwise and in transverse sense must be considered usual until a maximum of 5% of the total quantity.



**HORTUS**<sup>®</sup>  
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