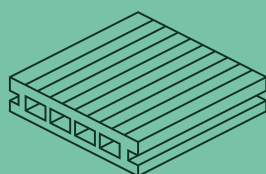


Open Series

# Pavideck Fence

OUTDOOR SYNTHETIC  
TECHNOLOGICAL FENCE

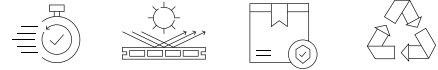


TECHNICAL SPECIFICATIONS

 Pavimentus



# Product Description



Outdoor synthetic technological fence

The OPEN Series PAVIDECK Synthetic Technology Fence is a versatile and attractive solution for enclosing outdoor spaces. Made from high-quality recycled and recyclable materials, this fence is designed to withstand any weather conditions, making it ideal for installations in swimming pools, gardens, hotels and terraces. Its slatted design not only allows for proper ventilation, but also adds a contemporary aesthetic touch to any environment.

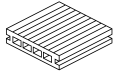
Unlike the Paviproof encapsulated fence, which features an integral plastic coating that protects it from stains and deterioration, the Pavideck offers a simpler approach. While it does not have a full coating, it is designed to be water and moisture resistant, preventing rot and deterioration problems. This makes the Pavideck a practical option for those looking for a functional fence with minimal maintenance. Its composition prevents it from being affected by fungal, insect and termite infestations.

PAVIDECK stands out for its attractive finishes, featuring two surfaces on the same piece: smooth or grated, allowing its appearance to be customised to individual preferences. It can be installed using a hidden clip system for a cleaner look or exposed for a more traditional design. In addition, its surface is pleasant to the touch, allowing people to spend time next to it without disturbance. It also has sound-absorbing properties, making it an ideal choice for environments where noise reduction is desired.

Installation of PAVIDECK fencing is quick and easy, requiring few accessories, which are also available in the range colours, such as ash and oak. For those who want greater variety, PAVIDECK offers the possibility of requesting additional finishes and colours on request, ensuring that each project can be perfectly adapted to the client's style and needs.



# Technical details



146 mm x 23 mm x 2200 mm

3,1 pieces of 2,2 ml

## Composition :

60% Reclaimed wood +30%  
HDPE (Recycled) +10% additives:  
lubricants, natural fungicide  
pigments, UV protectors.

Properties	Results	Test method
Density	1,33 g/m <sup>3</sup>	ASTM D792-08
Modulus of elasticity	3.15 Gpa, UV and rain treatment: 3.13 Gpa	ASTM D1037-93
Bending capacity	≥ 2500 N	-
Flexural strength	≥ 20 Mpa	EN ISO 178
Breaking force	≥ 2500 N	UN EN 789
Tensile strength	25,5 Mpa	BS-6399
Charpy impact strength	8 KJ	ASTM D1037-93
Shore hardness	≥ 80 HRR	EN ISO 868
Screw holding capacity	≥ 1000 N	-
Thermal conductivity	0,21 W (m-K)	EN 12524
Impact toughness	17,2 KJ/m <sup>2</sup>	ISO 179-1
Coefficient of linear expansion	3,8 x 10 <sup>-5</sup>	ASTM D1037
Fire reaction classification	Euro Class Cfl-s2	UNE EN13501-1:200
Water absorption	(24h a 25°C) : ≥ 0,6%	ASTM D684
Oxidative induction time (OIT)	(Super) 70,0 min ≥ OIT ≥ 94,2 min	ASTM D3895-14
VICAT temperature	88,2°	EN ISO 306
Anti-slip resistance	Class 3 Rd > 45	UNE-ENV 12633
UV resistance	With 4000h at XENON ARC, it lightens slightly	ISO 4892-2
Frost resistance	Resistant	DD CEN/TS 772-22:2006
Recyclable	100%	-



# Range of finishes



## **ROBLE LISO**

146 mm x 23 mm x 2200 mm

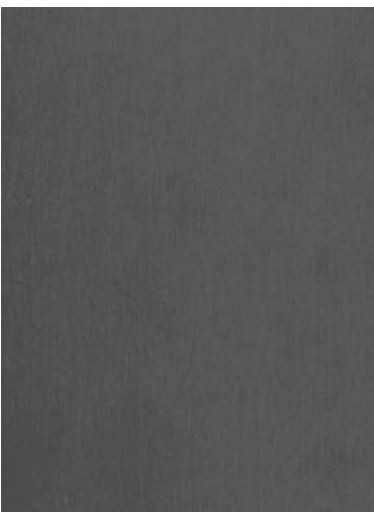
Reference: Roble Liso



## **ROBLE RAYADO**

146 mm x 23 mm x 2200 mm

Reference: Roble Rayado



## **CENIZA LISO**

146 mm x 23 mm x 2200 mm

Reference: Ceniza Liso



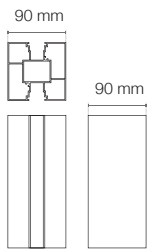
## **CENIZA RAYADO**

146 mm x 23 mm x 2200 mm

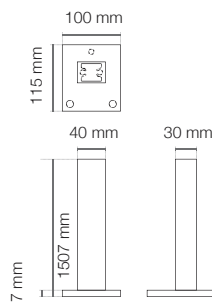
Reference: Ceniza Rayado



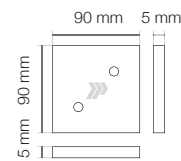
# Accessories



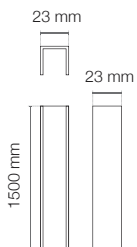
**ALUMINUM FENCE PILLAR**  
90 mm x 90 mm



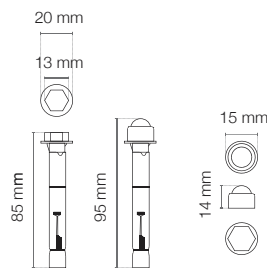
**SPILLAR SUPPORT**  
140 mm x 100 mm



**FENCE PILLAR COVER**  
90 mm x 90 mm



**ALUMINUM PROFILE**  
23 mm x 23 mm x 1500 mm



**EXPANSIVE SCREW**  
M8 x 100  
4 ud/pillar



**FLAT SCREW**  
M3,9 x 19  
14 ud/pillar



# Assembly instructions

**Before beginning the installation, it is essential to read the entire installation manual carefully to comply with the basic assembly rules. Failure to comply will result in the cancellation of the Limited Warranty.**

While our materials are very durable, we recommend that you follow storage and handling guidelines.

Always store the boards resting on a smooth, flat surface and out of direct sunlight exposure. It is advisable to place the material at the installation site 24 hours before the start of the installation, so that the material will adapt to the environmental conditions of the site.

Fence boards should be lifted and placed carefully to avoid damage, do not slide the boards over each other. Fence boards should be carried by the middle and on their edge for better support when moving them. Avoid sliding or dragging any equipment over the surface of the board to avoid dulling the surface. The exterior of the fence boards should be kept free of debris and construction materials to avoid damaging them.

Personal protective equipment (PPE) must be worn at all times when installing a synthetic technology fence. We recommend wearing gloves, protective glasses and a dust mask.

There are two main methods of installing technology fences: On soil or grass / On a concrete base or brick wall



## Installation on ground or grass

### STEP 1

Use a string to mark the fence line. Make sure the area is free of obstacles or vegetation.

### STEP 2

Dig a hole to a depth of 600 to 850 mm, depending on the softness of the soil. Make sure the base of the hole is level.

### STEP 3

Place the pillar support into the hole and make sure it is straight, using a level.

### STEP 4

Fill the hole with mixed concrete. We recommend 2.5 to 3 20kg bags, depending on the size of the hole and soil conditions. Make sure the concrete is filled to approximately 25mm below ground level. Make sure the concrete is angled away from the fence post to facilitate water runoff.

### STEP 5

Place the composite fence post on support. Check the post again to make sure it is plumb and level.

The composite fence post should be placed on the concrete. Only the support is secured to the ground. While the concrete sets, make sure the post does not rest on the surface. Use temporary battens if necessary.

### STEP 6

Use a string to mark the next post and measure the distance to make sure it is correct. It may be helpful to use the bottom profile to double check the distance and mark it. Be careful not to leave wet concrete on the aluminum rail to double check the distance

distance and mark it. Be careful not to leave any wet concrete on the rail.

At this point, you can either:

Complete the first fence panel by moving on to step 7 or continue marking the remaining fence posts according to step 5.

### STEP 7

Before installing the bottom profile, you may want to install the safety clips at the bottom of the fence post to support the boards. This is particularly useful when the ground is not solid enough.

### STEP 8

Place the aluminium bottom rail into the H-slot of the pillar and align both ends. Slide the profile down between the pillars.

Level the aluminium bottom profile. The profile can be sunk into the ground if necessary.

### STEP 9

Place the boards between the pillars, leaving a 2.5 mm gap between the end of the board and the pillar. The slats are installed with a 0.5 cm gap between them, for this purpose place 3 plastic clips between the slats (2 on the sides and one in the middle screwed in for strength). Stack the remaining boards.

### STEP 10

Finish by inserting the top profile of the fence.

### STEP 11

Optional: It is possible to secure the boards in place using a safety clip.

### STEP 12

Insert the post cap.



## Installation on concrete base or brick wall

### STEP 1

Place the post supports into position, ensuring they are plumb/flat and square to the length of the fence. First, drill 3-5mm pilot holes.

### STEP 2

Make sure the hole is straight and secure.

### STEP 3

Make sure the expansion screws are tightened enough.

### STEP 4

Slide the pillar onto the bracket.

### STEP 5

Insert the lower aluminium profile and the boards

la fence. The slats are installed with a 0.5 cm gap between them, for this purpose place 3 plastic clips between the slats (2 on the sides and one in the middle screwed in for strength).

Optional: it is possible to secure the boards in place using a safety clip.

### STEP 6

Check once again that the expansion screws are properly tightened. Place the plastic caps over the screws.

### STEP 7

Insert the upper aluminium profile.

### STEP 8

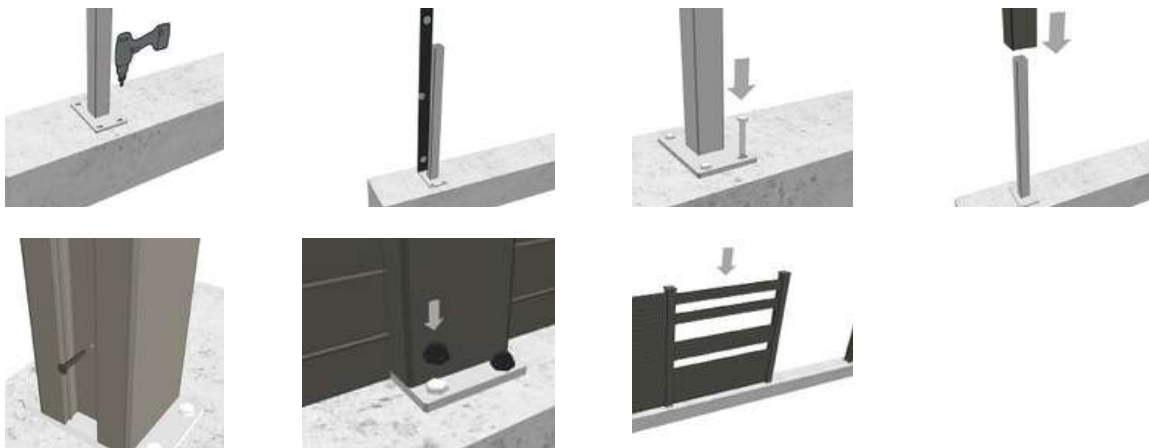
Insert the post caps.

## Assembly sketch

Before you begin, make sure that the wall or foundation is in good condition. The minimum depth of the concrete should be 150 mm thick.

Remember, it is very important that the surface is properly prepared and that the supports are level, to ensure the correct installation of the fence.

**The pillars usually come already machined with the support and cover mounted.**







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