



# Instructions for mounting PILWOOD® fence boards

## IMPORTANT PRODUCT INFORMATION

PILWOOD® fence boards are made of Wood-Plastic Composite (WPC) material consisting of wood flour and HDPE. They are designed for the construction of fences, fillings of fence fields, screens, or wall coverings for sheds or garages.

WPC is not a construction material, so it cannot be used for a supporting structure. For this reason, PILWOOD® fence boards cannot be used as load-bearing or safety fillings for balcony, staircase and walkway railings, i.e. where people may fall from dangerous heights.

If you mount additional accessories (lighting, bell, box, etc.) on the fence, we do not recommend them only to be anchored to the PILWOOD® fence boards.

Store the PILWOOD® fence boards in a dry, flat and ventilated location, so that they are protected from sunlight and uneven colour maturation is prevented.

Do not treat the surface of PILWOOD® fence boards with stains, paints, varnishes, waxes, oils or other similar products not recommended by the manufacturer. Avoid using solvents and thinners when cleaning.

PILWOOD® fence boards are designed for outdoor use. Their maintenance is easy when exposed to sunlight and rain. Contact the supplier for possible interior usage.

This is a natural product that may show slight colour variations and shadows that give the wood a natural look, but this does not reduce the quality and durability of the product in any way.

It is recommended that the colour of the fence boards is checked before mounting and, if necessary, that the fence boards are mixed to emphasise the natural pattern of the fence.

**ALL FENCE BOARDS FOR THE ENTIRE FENCE ARE RECOMMENDED TO BE ORDERED AT THE SAME TIME.**

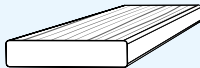
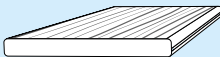
Uneven exposure of partially roofed fences to rain may result in dust and water spots, but they do not affect the functionality and lifetime of the fence.

Due to temperature fluctuations, volume changes (stretching and shrinking) of the fence boards may occur. Observe the recommended dilatation gaps and mounting procedures.

When working with PILWOOD® fence boards, the same tools can be used as when working with hardwood (drill, saw, grinder, etc.).

The fence boards are made of a flammable material (class D-s1). Always use this material in accordance with fire safety regulations and other building standards, preferably in consultation with an authorised construction engineer or project designer.

## TECHNICAL INFORMATION ABOUT THE PRODUCT

PILWOOD® fence boards	Dimensional tolerance	Weight of 1 m fence board
<b>90 × 15 mm</b> 	width ± 2 mm thickness ± 1 mm length ± 10 mm	1.75 kg
<b>120 × 11 mm</b> 		1.70 kg

## GENERAL RULES

- Take into account the higher weight of the material compared to wood.
- It is recommended to make the supporting frame from a combination of concrete (pillar) and iron (beams).
- Due to the gradual degradation of the wood by drying, twisting, bending, etc., it is not recommended to use wood as a supporting frame. In the case of using wood as a load-bearing element, the shape of the fence boards cannot be guaranteed (bending, twisting).
- The recommended mounting direction of the fence boards is vertical. When mounting in a different direction, the distance between the beams must be reduced accordingly.

## BEAMS

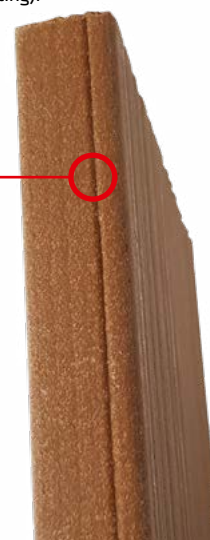
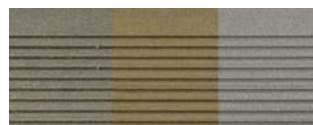
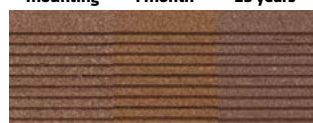
- Recommended minimum dimensions:  
**ALUMINIUM** - 60 x 20 x 2.5 mm, **IRON** - 40 x 20 x 1.5 mm.
- Mount vertically.
- It is recommended to apply anti-corrosion coating.
- The maximum overlap from the longitudinal beams at the top and bottom side of the fence boards is 150 mm.
- The maximum spacing between the beams for vertical mounting is 600 mm.
- The maximum spacing between the beams for horizontal mounting is 500 mm (example: PILWOOD® fence board with the length of 1000 mm must be mounted on at least 3 columns for horizontal mounting).

## FIXING OF FENCE BOARDS

It is recommended to check/observe the direction of laying of the fence boards which is always marked by a thin groove on one side of the fence board.

## COLOUR MATURING

after mounting    after 1 month    after 25 years





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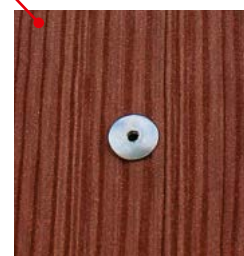
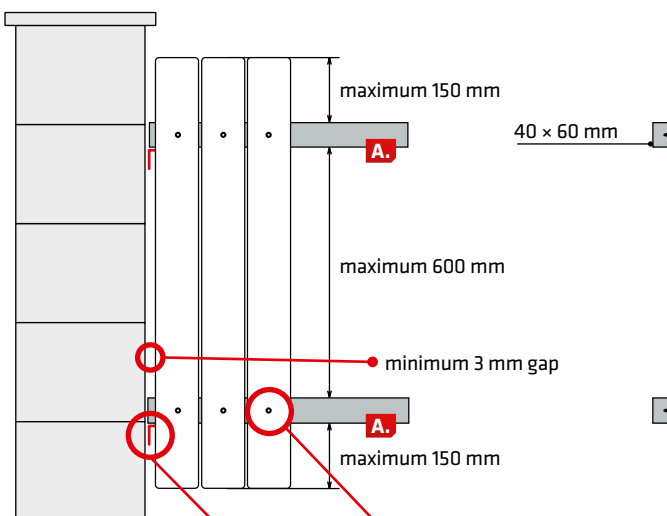
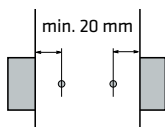
## VERTICAL MOUNTING OF FENCE BOARDS

### A. LONGITUDINAL BEAMS

- Recommended minimum dimensions: zinc profile  $40 \times 60 \times 1.5$  mm.
- The maximum overlap of longitudinal beams at the top and bottom side of the fence boards is 150 mm.
- The maximum spacing between the beams is 600 mm.
- Fastening of the beams to a metal or concrete pillar with a small clip PILWOOD® "L" **B.**

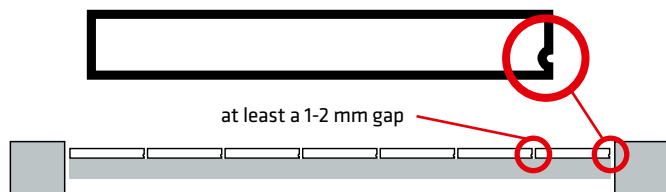
### FIXING OF FENCE BOARDS

- For mounting, any rivets or stainless-steel screws can be used.
- Hole for a rivet or other fastener  
Pre-drill a 1 mm larger hole (thermal expansion).
- In the case of a fence board of 90 mm width, it is sufficient to use one rivet or screw. In the case of a fence board of 120 mm width, always use 2 rivets or screws.
- Keep a distance of at least 20 mm from the edge of the fence board.
- Leave a gap of at least 1 to 2 mm between fence boards (thermal expansion).
- Leave at least a 3 mm gap between the brick (metal) pillar and the first vertical fence board.



### IMPORTANT MOUNTING RULE

PILWOOD® fence boards are brushed during production. To achieve a uniform appearance, it is necessary to mount the fence boards with regard to the technological groove as shown below. Always observe the rule.



## HORIZONTAL MOUNTING OF FENCE BOARDS

- Fence boards for horizontal mounting must be mounted on vertical pillars (beams) every 500 mm (lap) **C.**
- Fastening of the fence boards to a metal or concrete pillar with a large clip PILWOOD® "L" **D.**

### FIXING OF FENCE BOARDS

- For mounting, any rivets or stainless-steel screws can be used
- Hole for a rivet or other fastener  
Pre-drill a 1 mm larger hole (thermal expansion).
- In the case of a fence board of 90 mm width, it is sufficient to use one rivet or screw. In the case of a fence board of 120 mm width, always use 2 rivets or screws.
- Leave a gap of at least 1 to 2 mm between fence boards (thermal expansion).
- Leave at least a 3 mm gap between the brick (metal) pillar and each horizontal fence board.

### IMPORTANT MOUNTING RULE

PILWOOD® fence boards are brushed during production. To achieve a uniform appearance, it is necessary to mount the fence boards with regard to the technological groove as shown below. Always observe the rule.  
All grooves during mounting on the left or on the right (vertical mounting), at the top or at the bottom (horizontal mounting).

