

# FENCE SLATS 90, 120

## INSTALLATION MANUAL

### IMPORTANT INFORMATION ABOUT THE PRODUCT

• The WoodPlastic® fence slat profile is made of the Wood-Plastic Composite (abbreviated WPC) material, which is composed of wood flour and HDPE. It is designed to create fences, fence panels, gate fillings, screens or exterior structure claddings.

• WPC is not a construction material, so it cannot be used as a support structure. WoodPlastic® fence slats cannot be used as safety balcony fillings / railings. That means that WoodPlastic® fence slats cannot be used in the place with the risk of person falling from the height. When installing other accessories on the fence (e.g. lighting, bells, mailboxes, etc...) it is not recommended to be anchored only to WoodPlastic® fence slats.

• Store the WoodPlastic® profiles prior to installation on a dry, flat and ventilated surface so that the visible (brushed) side of the profile is protected from direct sunlight and to prevent an uneven matured color.

• Do not treat the surface of the WoodPlastic® profiles with coating, paints, varnishes, waxes, oils or other similar products not recommended by the manufacturer. When cleaning, avoid using solvents and thinners!

• WoodPlastic® products are designed primarily for outdoor use. Exposure to sunlight and rain eases their maintenance; consult their possible interior use with the supplier. In regards to partially roofed fences water dust stains may occur due to the effects of rain, which do not affect the functionality of the cladding in regards to partially roofed cladding.

• The influence of temperature on WoodPlastic® profiles results in volume changes (stretching and shrinking). Therefore observe the required expansion spaces.

• When working with WPC material you can use the same tools as when working with hardwood (drills, saws, sanders, tape measures, levels, screwdriver with bits and drills, etc.)

• The WoodPlastic® profiles are made of flammable material (class D-s1) – always use this material in compliance with fire safety regulations and other building standards, best after the approval of an authorized building engineer or designer.

### TECHNICAL INFORMATION

**Profiles:** 90 x 15 mm, 120 x 11 mm

**Lengths:** 100, 120, 150, 200 cm

**Weight of 1 meter of profile:** 1,6 kg / m (90 x 15 mm)  
a 1,7 kg / m (120 x 11 mm)

**Reaction to fire according to ČSN EN 13501:** D-s1

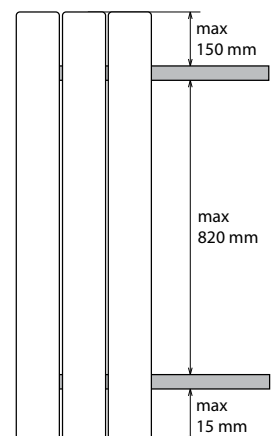
### INSTALLATION OF FENCE SLATS

#### GENERAL RULES

- Take in consideration the weight of the WPC material, which is higher than normal wood.
- We recommend to make a supporting frame of a combination of concrete (columns) and iron or aluminum alloy (cross rails).
- If you are coating the support frame with final paint, please wait with the installation of the fence boards until it dries (according to the instruction manual of the paint, varnish, etc.).
- Due to the gradual degradation of wood because of shrinkage, twist and bending. We don't recommend using wood as a support frame.
- In the case of the use of wood as a structural component, we cannot guarantee the stability of the shape of the WPC fence boards.

#### CROSS RAILS

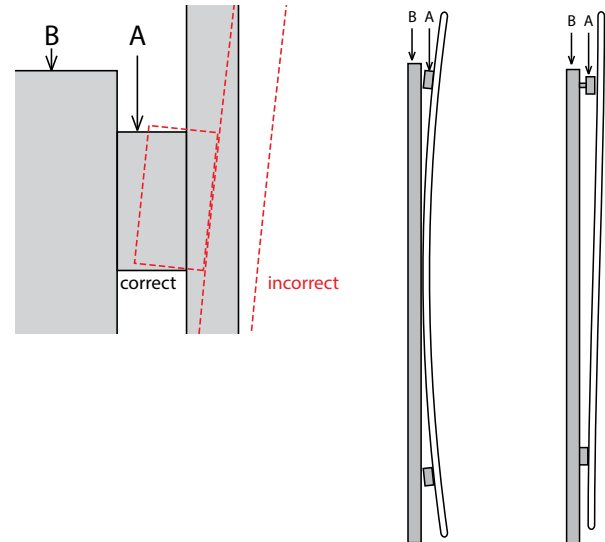
- Minimum recommended dimensions:
  - aluminium - 60 x 20 x 2,5 mm
  - iron - 40 x 20 x 1,5 mm
- Mount vertically.
- We recommend anti-corrosion surface treatment.
- The maximum overlaps of the top and bottom sides of the fence boards are 15 cm.



- The maximum spacing between the cross rails is 82 cm (for boards up to length 120 cm, 2 cross rails are sufficient, in case of larger boards use 3).

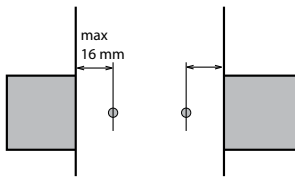
## THE MOST COMMON FAULTS IN THE INSTALLATION OF CROSS RAILS, WHICH LEADS TO DEFLECTION OF THE FENCE BOARDS

- Deflection of the cross rails (A) from the vertical axis of the posts (B).
- Various distance of the cross rails (A) from the posts (B).



## FENCE BOARD INSTALLATION

- Use 3,5 mm stainless steel screws, choose the length according to the used cross rails.
- Pre-drill the hole for the screw with the drill with 1 mm wider diameter. In the cross rail follow the instruction of their manufacturer.
- Fix the screws at minimal distance 16mm from the edge of the board

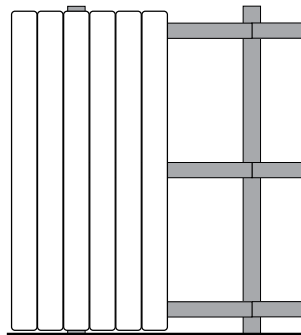


## OPTIONS OF MOUNTING THE FENCE BOARDS

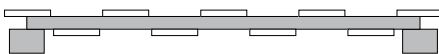
### Option A



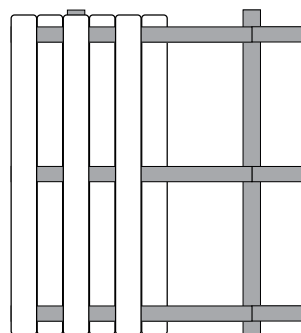
Leave the minimal 5 mm space between the fence boards due to thermal expansion.



### Option B



Mount the fence boards to the cross rails alternately from both sides of the fence. The spacing between them choose according to your desired transparency, they may also overlap.



---

## MAINTENANCE OF WOODPLASTIC® FENCE SLATS

---

### Maintenance right after the installation

- Right after the installation rinse the cladding with fresh water, you can use the high pressure cleaner (max. 80 bars, spray from a constant distance of 40 cm and do not use rotating nozzle). It is important get all dust from the cladding to significantly reduce effect of water-dust spots (see Properties of the Material).

### Preventive precautions

- We recommend washing the decking once a year (in spring) with soapy water. Use a hard brush (brush the boards gently in the longitudinal direction) followed by rinsing the entire surface of the decking with a stream of clean water (you can also use the pressure washer).

### Removing the dirt and stains

- Avoid using aggressive cleaners, solvents and thinners. Do not paint Woodplastic® products with stains, paint, wax, oil or varnish, unless they manufacturer's approval.

Type of dirt	The cause and reason	The method of removal
Normal dirt	Dust and ash in the air, mold, pollen, etc.	Use common household cleaners (or special product for WPC products) with scrub brush or pressure washer and after rinse.
Water-dust spots	Slow evaporating water keeps dust or pollen on the surface of the cladding mostly in the partially covered areas (like around and under the roof, windows, etc.)	Rinse with clean water then use common household cleaners. Scrub and brush lengthwise and rinse again. These areas need to be cleaned on a regular basis to avoid staining.
Surface scratches	Movement of the furniture, rocks, etc.	Clean the surface with scrub brush lengthwise and rinse. If the scratches are visible you can use very light grade sandpaper sponge to gently remove the scratches lengthwise and rinse.

---

## SAFETY INSTRUCTIONS

---

- As when dealing with any other building material, observe all safety measures and all relevant legislation. When handling WoodPlastic® fence slats maintain caution due to their greater weight and greater length. If this installation manual does not match applicable legislation or other regulation in any particulars, we consider the applicable legislation and regulations as prevailing over this manual. When cutting the WoodPlastic® fence slats it is necessary to use protective equipment. For more detailed information on health safety please refer to the Material Safety Data Sheet on our website.

---

## PROPERTIES OF THE MATERIAL

---

- Maturation of the wood component – during the first weeks or months after installation, depending on the intensity of sunlight and the season, there is a maturation of color (a yellow tinge). It is a maturation of the wood components in WPC (wood-plastic composite material is a blend of 60% wood and 40% of HDPE). This process over time, with exposure to sunlight and rain will return to the original shade.
- Water dust spots - are caused by slow evaporation of the water and dust or pollen stays on the surface of the decking mostly in the partially sheltered areas (like around and under patio furniture, planters, eaves, etc.). These areas need to be cleaned on a regular basis to avoid staining.
- Under some specific weather conditions the Woodplastic® decking may accumulate static electricity. This is a common physical phenomenon, and therefore there is no reason for concern.

---

## WARRANTY ON THE ECO WOODPLASTIC® FENCE SLATS

---

A 25 year warranty applies to all WoodPlastic® products against: wood-destroying fungi, rot and insects under normal conditions. For all other cases, the standard warranty of 24 month applies.

This guarantee means that we will replace damaged products. If your product is not produced anymore, it will be exchanged for a similar. Under this warranty, you cannot claim any additional financial or other compensation. All work and related costs are excluded from the guarantee.

**This warranty does not apply to:**

- **Color fastness** - The Woodplastic® products have UV protection. However, it is a wood product and, therefore, may over time experience color changes as a result of exposure to sunlight and humidity.
- **Maturation of the wood component** – during the first weeks or months after installation, depending on the intensity of sunlight and the season, there is a maturation of color (a yellow tinge). It is a maturation of the wood components in WPC. This process over time, with exposure to sunlight and rain will return to the original shade. These color variations are not a defect and do not constitute a reason for reclamation.
- **Water dust spots** – It is a common phenomenon, and therefore does not compromise the quality of the product.
- **Normal wear and tear**
- **Failure to follow installation instructions** – the warranty does not apply to WoodPlastic® products that have not been installed in accordance with the installation instructions supplied with our material. Or products that are used for purposes other than those specified by the manufacturer.

---

## MANUFACTURER

---

WPC – WOODPLASTIC a.s.

Bukovany 181

257 41 Týnec nad Sázavou

Czech Republic

web: [www.woodplastic.eu](http://www.woodplastic.eu)

e-mail: [wpc@woodplastic.cz](mailto:wpc@woodplastic.cz)

tel.: +420 241 403 291