



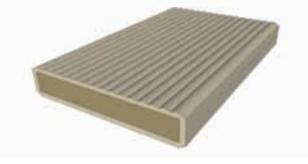
## **WPC fence profiles**

**Recommendations for mounting  
a universal profile fencing**

## MATERIALS

Gamrat fence profiles are high quality materials composed of selected wood flour and plastic (PVC) with necessary additions.

**The offer includes the following basic materials:**

NAME	UNIVERSAL SOLID FENCE PROFILE	CHANNEL SECTION
PICTURE		
DIMENSION (mm)	19 x 100 x 1250 or 19 x 100 x 1500 or 19 x 100 x 2000 or lengths on order	30 x 40 x 2000 or lengths on order

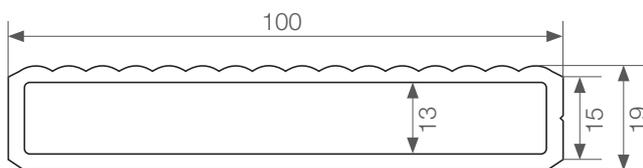
### Colouring

In the first period of using fence profiles under the influence of external conditions, they are subject to seasoning. The colour stabilizes after a few months reaching its final saturation.

Due to the content of wood fibres, individual fence profiles, especially those from different production batches, may differ in colour. The colours and surface finishes may be different for different deliveries. It does not affect their durability and it is not a defect of the product. Before starting installation works, examine visually fence profiles against their appearance and defects. To achieve a natural effect, fence profiles should be mixed before mounting, bearing in mind the direction of brushing.

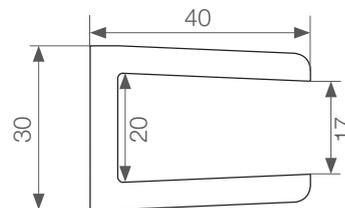
## FENCE COMPONENTS

Gamrat fence plank is a universal profile with a width of 10 cm, which is a solid product (filled). On one side, the surface of the plank is corrugated, whereas the other side is smooth.



universal solid profile

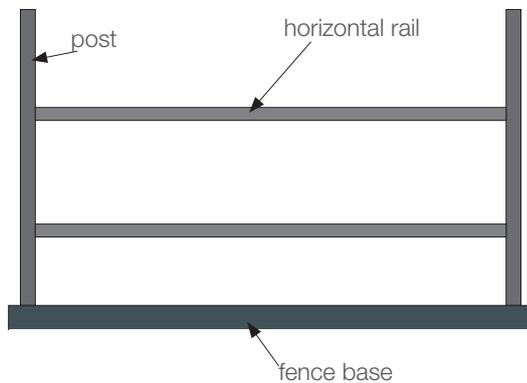
The channel section is an element used for constructing a fence frame (horizontal rails), to which fence planks are installed.



channel section

## FENCE INSTALLATION – vertical design

There are several different ways of fixing universal profiles (so-called picket fence version). Choosing the right method depends on the effect you want to achieve, as well as the size of profiles and length of spans. We recommend performing a metal structure (wooden one may be deformed over time).



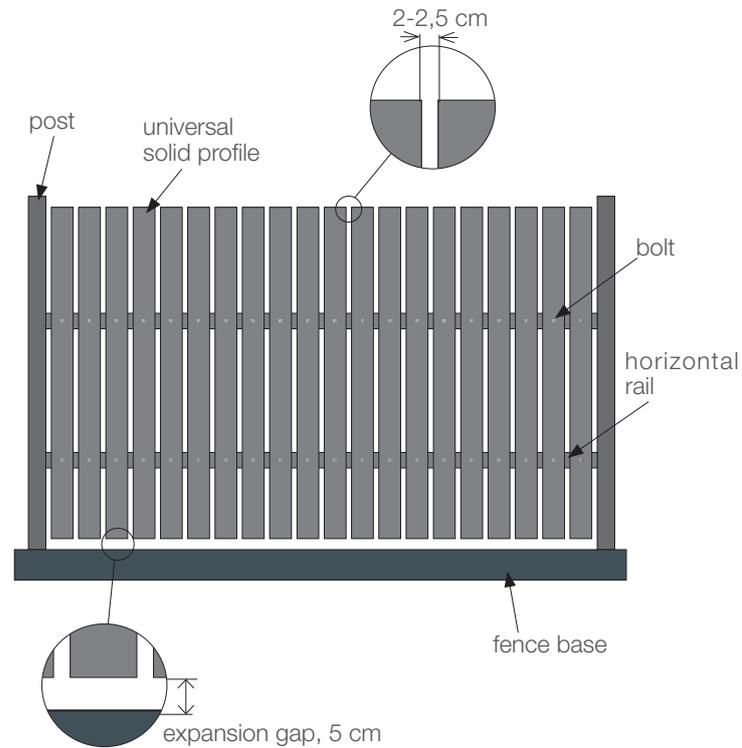
The fencing construction is usually made of metal posts and a span made of two metal horizontal rails. Fence posts can also be made of bricks or covered with stone. Composite profiles are fastened with an M5 or M6 square neck bolts (with a mushroom head), the size of the hole drilled in the profile should be larger than the size of the screw, in order to provide proper working in changing weather conditions.

Note: It is not recommended to install the universal profiles laid on the butt.



M5 or M6 bolt

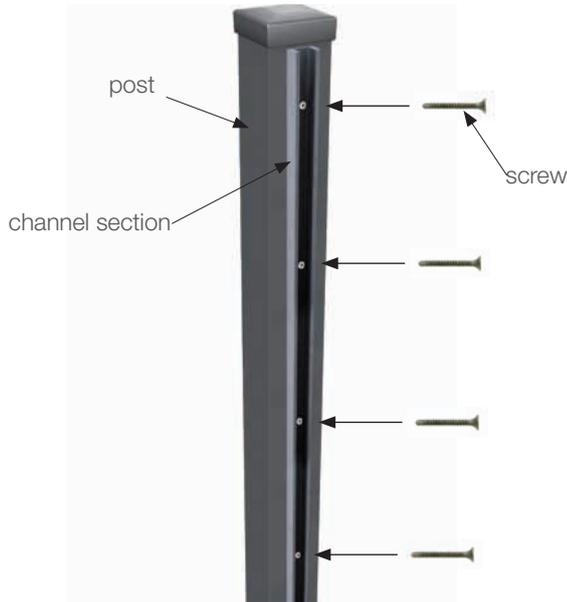
The distance between the profiles is an individual matter for each investor, but the most common distance is 2-2.5 cm. This ensures rational usage of the boards per 1 meter of fence length, while maintaining optimal separation from "neighbours" or pedestrians on the street.



The height of the profiles is also an individual matter – the standard dimension is 125 cm and 150 cm. It is worth only remembering to take into account the height of the fence base (if applicable) and to make an expansion gap between the fence base and the universal profile (about 5 cm).

## FENCE INSTALLATION – horizontal design

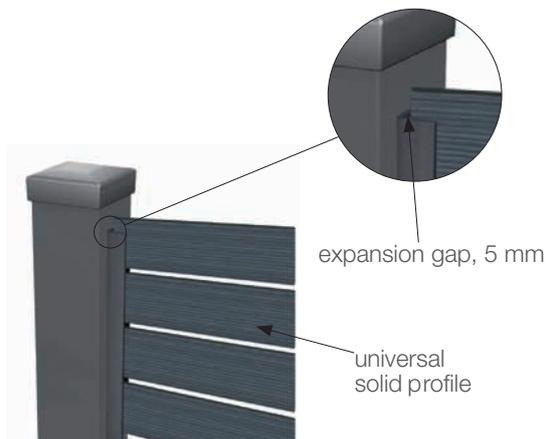
Before installing the Gamrat fence profiles, prepare so-called fence base, which consists of stone, steel or aluminium posts anchored in a concrete foundation. Attach the Gamrat composite channel section profiles with a minimum of four equally spaced self tapping screws to the posts along their entire height. The channel sections form a rigid frame for fence boards. The channel section with a standard length of 200 cm is cut to the right length of the post and additionally reduced by 5 cm.



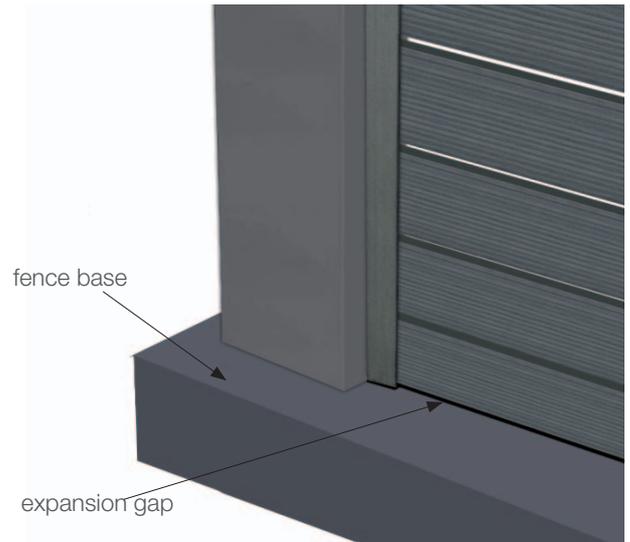
### Notes:

- the screws should be screwed in using a screw gun set to a low tightening torque
- boards and channel sections must not be hit with a hammer
- provide straightness of the side of the fence

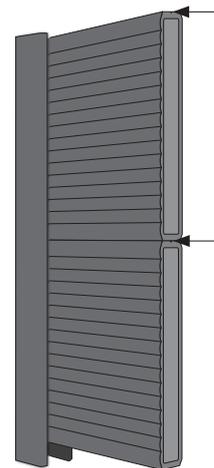
Slide the ready-made universal profile from the top between the channel sections fastened to the posts, remembering **to keep the 5 mm expansion gap** on both sides of the board.



The first board is placed on levelled ground (wall, screed) while keeping the expansion gap of 2 - 5 cm depending on the method of making the fence base.



Boards should always be mounted in the same direction, i.e. they must be inserted so that the printed side is always on the same side of the board (placed on the side of the board).



The standard length of boards is 125cm, 150cm i 200cm but it is possible to cut them to any length. In the case of profiles with a length of 200 cm or longer, there are necessary to use vertical structural stiffening attached to the boards, fixed in the foundation.

### Note:

Do not permanently fasten boards (do not screw down, do not glue) to channel sections!

