

# Fencing

*Recycled plastic fencing is an environmentally superior alternative to traditional timber fencing. Our recycled plastic fences and gates will not rot or crack with age, and require no maintenance, staining or painting – offering significant ongoing budget savings.*

## ● Post and Rail

Posts are offered as 100mm square as standard.  
Maximum centering of the posts is recommended at 1000mm.  
Allow for 500mm below ground fixing of posts.  
Standard Rails are:     50 x 100 x 3100mm long  
                              50 x 120 x 3100mm long



**MORTISED:** Expansion sleeves are recommended to allow expansion/contraction

## ● Picket/Pale

Posts are as detailed for Post and Rail type.  
Rails can be reduced in thickness to 40 x 100 x 3100mm long in picket fence applications.  
Pickets/Pales as standard are offered as 30mm x 100mm or 20mm x 100mm  
The pickets/Pales can be face fixed onto the rails vertically



## ● Closed Board

This type of fencing is similar in construction to the Picket/Pale Type.  
The main difference is that the pickets/pales are placed on both sides of the post and rails and give the appearance of no gaps being left between the pickets/pales. The average gap between pickets is 80mm on both sides. Pickets can be placed close together on the one side – but an expansion gap is required.



## ● Birdsmouth

Available in both black and brown, 100 x 100mm V cut posts are generally used with either 80 x 80mm or 100 x 100mm profiles set into the birdsmouth. Spacing of posts at a maximum of 1000mm is recommended. Bottom rails of 30 x 100 x 3100mm or 40 x 100 x 3100mm are offered as standard if required.



## General Information

- The finished product will be far more flexible than the equivalent in wood
- Always allow 500mm for below ground fixing
- We recommend our fencing be used only up to 1800mm high
- All fencing is supplied in black or brown as standard. The profiles are manufactured from mixed waste plastic which can result in colour variation in all sections
- General wood working tools are sufficient for working with this material (further details available)
- Due to the long lifespan of this material, we recommend good quality screws and fixings be used
- Profiles should be stored flat at all times prior to installation and preferably tied in bundles before use to maintain their required shape
- All profile dimensions are nominal, profiles are NOT supplied at an exact finished length and rails for example will need trimming on site
- The ends of the boards may display extrusion rests which may need to be sawn off prior to installation
- It is advisable to saw all boards to the required length at the same environmental conditions to prevent shrinkage/expansion due to temperature fluctuations

## Technical Installation Guide

- As with all recycled products, it is essential to remember the need for **expansion** and **support**.
- Please allow for expansion and contraction which would necessitate an approximate 20mm expansion gap between rail ends inside post joint and when drilling rails to posts. The lower the temperature during installation, the greater the boards may expand. It is vital to calculate the maximum expansion of the boards in order to calculate the correct distance between boards/joints, walls. Drill holes should be slightly oversized by 3mm to accept screws or, as an alternative method, insert a 15mm slot which will allow movement in the fencing. Face boards or sleeves can also be used to allow the free movement of the boards- allowing for the maximum amount of expansion and contraction



- Fully tighten all screws and then back turn screw, half a turn
- Use standard 3.1m lengths of rail by staggering the rail joints 1m to 1.55m maximum between posts – the greater the gap, the more likely it is for the material to sag
- As with wood, always pre-drill to prevent splitting

**Remembering the rules for support and expansion – provides the long term maintenance free solution for your application.**

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