

Installation Instructions – Palisade & ProFence

These instructions relate to the Palisade & ProFence rail and pale system.

You will need...

- Tape measure
- Battery drill/screwdriver
- String line
- Setting out pegs
- Safety gloves and goggles
- Spirit level
- Selection of clamps
- Post-hole spade or equivalent for digging post holes*
- Cement – suitable for setting fence posts.
- Cutting equipment and touch up paint if required.

**not required if mounting fence panels onto concrete using base plates.*

A MINIMUM OF TWO PEOPLE IS REQUIRED TO INSTALL THIS POST RAIL & PALE SYSTEM.

Step 1

Using the string line and setting out pegs, mark out on the ground the line of the intended fence.

Step 2

Based on the width of the rails supplied, mark the positions of the fence posts. If installing a gate, it is advisable to start with the gate post and expand out towards the first corner and/or end

Step 3

Using the appropriate equipment, and observing the correct health and safety procedures, dig the holes to the required depth, to accommodate the fence posts provided. If using base plates screwed onto concrete instead of post holes, ensure that the surface is thick enough to accommodate fixing screws and level enough to allow the post to be fixed vertically. A survey of the ground conditions must be carried out in advance to ensure conditions will support all posts, if conditions are too wet or insufficiently compacted please consult a ground works engineer for assistance.

Post Height (mm)	Foundation Sizes (mm) Set in Concrete Length x Width x Depth	Based Plated (mm) Length x Width x Depth*
1800	300 x 300 x 525	200 x 200 x 150
2000	300 x 300 x 600	200 x 200 x 150
2100	300 x 300 x 625	200 x 200 x 150
2400	300 x 300 x 725	250 x 250 x 150
3000	300 x 300 x 800	250 x 250 x 150

**refers to the depth all fixings need to be sunk to, and therefore the minimum thickness of the concrete*

Palisade posts come as a standard 100 x 55mm RSJ type for heights up to 3.0m, however we can manufacture different size posts to any customer specification. Base plate and post-in-ground dimensions will be released at that time.

All Alexandra base plates come pre-drilled for M16 fixings, and all holes must be used when securing the post to the concrete surface.

Step 4

Insert the first post into the dug hole and use a spirit level to ensure that it stands vertically.

Step 5

Add the mixed concrete to the hole around the positioned fence post. Professional installers use postcrete which will be dry in 5-10 minutes, but ensure the post is fixed in the upright position while drying.

Step 6

Dig the next post hole.

Do not try and install all the posts at the same time. Instead, work one post and panel at a time, as any errors in measuring the post distances will be harder to correct once the posts are concreted in.

Step 7

Insert the link plates through the slots in the post. In addition to the straight link plate illustrated below there are angled versions used on internal and external corners and end posts (see Plan Views below)

Step 8

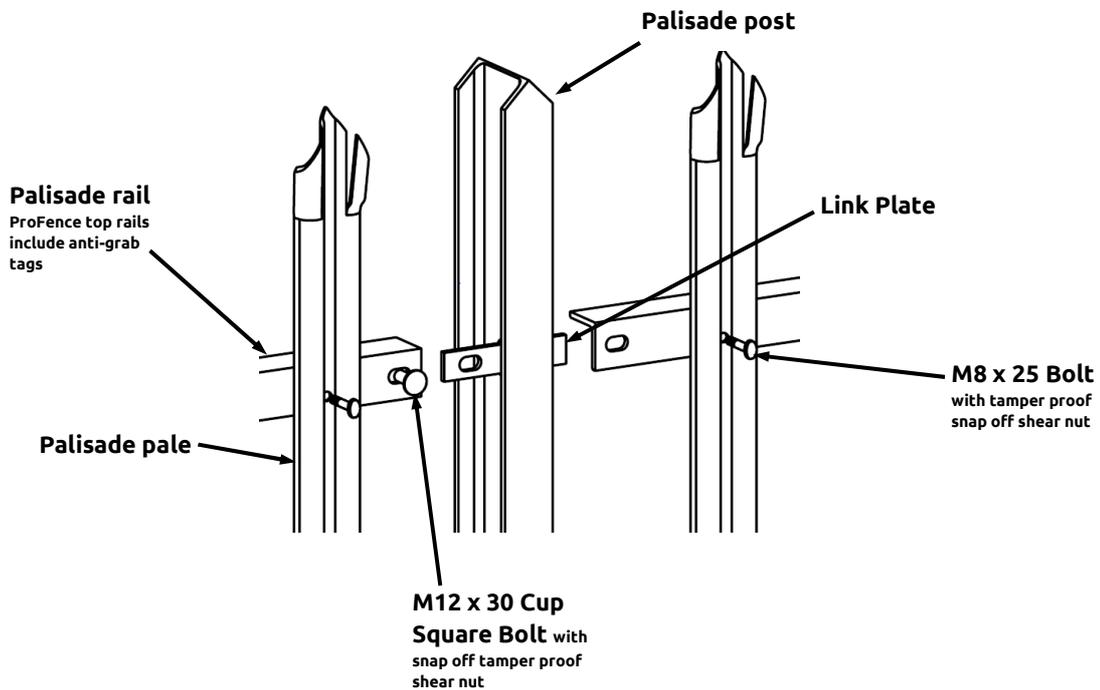
Secure the rails to the link plates using the M12 bolts provided. On ProFence, the top rail will have anti-grab tags.

Step 9

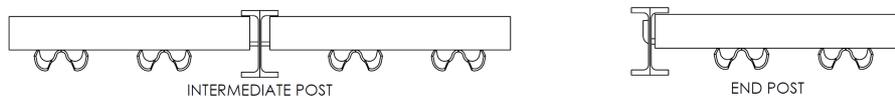
Fix the pales on to the rails using the M8 bolts provided. All rails and pales have been predrilled.

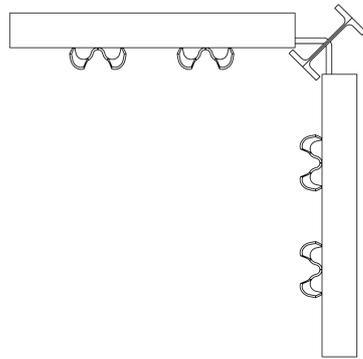
Step 10

Make sure that all fixings are fully tightened and secure.

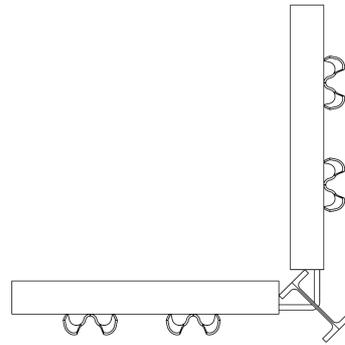


Palisade Plan Views





INTERNAL CORNER POST



EXTERNAL CORNER POST

Step 10

If the fencing is required to be stepped to accommodate a gradient, please ensure that the post heights are set correctly to accommodate the drop required.

Step 11

Ensure all scuffs, marks and cut surfaces, especially ones that expose bare metal, are treated with matching touch up paint.