Installation Instructions - Protek 2000

These instructions relate to Protek 2000 mesh.

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 AND MESH 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 panels 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.

Standard Panel Dimensions (mm) Height x Width	Post Size (mm)	Foundation Sizes (mm) Set in Concrete Length x Width x Depth	Based Plated (mm) Length x Width x Depth*
1730 x 2500	60 x 40	300 x 300 x 600	400 x 400 x 150
1930 x 2500	60 x 40	300 x 300 x 700	400 x 400 x 150
2330 x 2500	60 x 40	300 x 300 x 800	450 x 450 x 150
2930 x 2445	80 x 40	300 x 300 x 900	450 x 450 x 150

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

Other sizes of mesh and post are available

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.
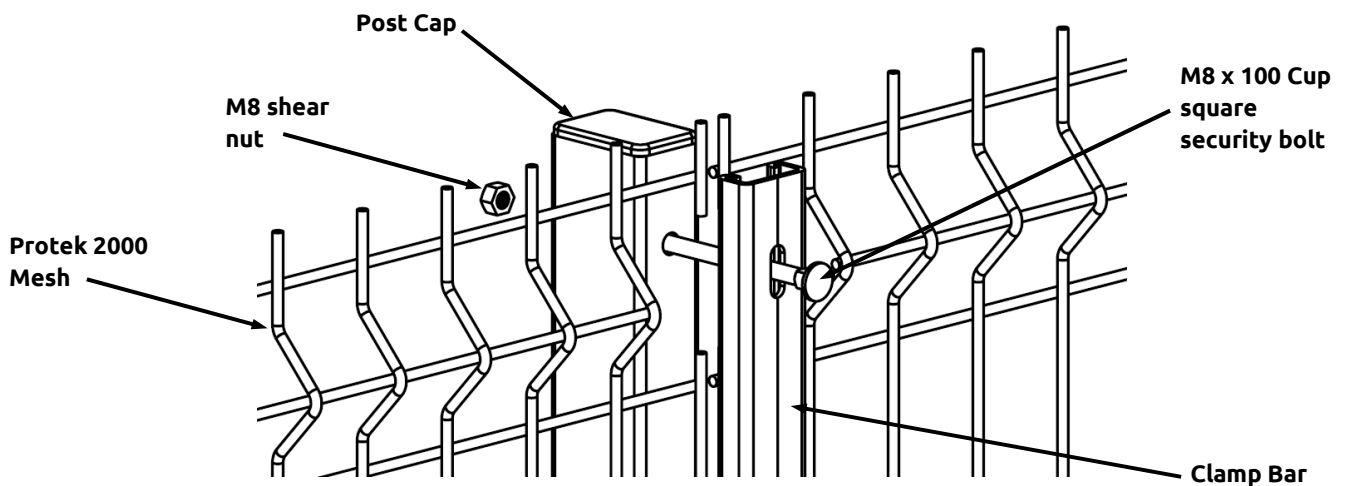
Step 6

The Protek 2000 is fixed to the post using clamp bars, and depending on where you've chosen to start your fence posts in the run, your first post will need to have either one or two mesh panels attached. If it's two mesh panels, make sure both are in place prior to applying the clamp bar. Use untightened clamp bars to hold the panel in place while adjustments are made.
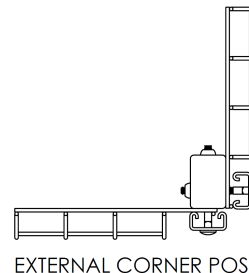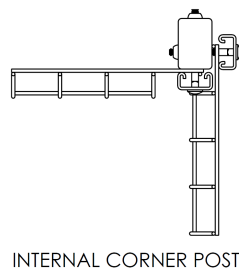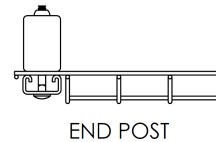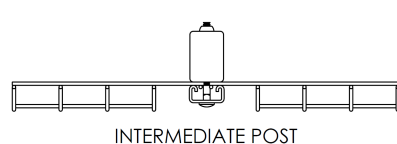
Mesh panels can also be supported underneath by using timber blocks to maintain a level appearance.

Until they are secured from the other end, make sure all fence panels are supported by hand or with suitable props.

Ensure that the last vertical wire of the mesh is contained within the clamp bar, and secure the panels and clamp bar with the stainless steel security screws provided. Make sure all screws are fully inserted before being tightened. We recommend that all fixings are fully tightened in order from the top of the post to the bottom, and that panels are checked to ensure they are straight first. There is room for slight adjustments to be made to the fence panels, which we suggest you do before tightening the bolts.

Plan Views

INTERMEDIATE POST

END POST

INTERNAL CORNER POST

EXTERNAL CORNER POST

Step 7

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 the measuring the post distances will be harder to correct once the posts are concreted in.

Step 8

The Protek 2000 panels are fitted 20mm above the ground, and will be raised by a further 10mm if fence posts are mounted on to base plates.

Step 9

Fence panels may be cut to different lengths using a saw or angle grinder. The style of mesh should allow the cutter to keep the panel appearance square. All bare metal should be recoated with touch up paint.

WARNING – MAKE SURE YOU USED THE CORRECT SAFETY GEAR WHEN PERFORMING ANY CUTTING ON THE METALWORK.

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. Failure to do so will affect the appearance of your installation and could invalidate the product guarantee www.alexandrasecurity.com/15-year-product-guarantee

Step 12

Finish off each post with the plastic caps supplied.