Duralok® Privacy Fence

INSTALLATION INSTRUCTIONS

WHAT YOU SHOULD KNOW

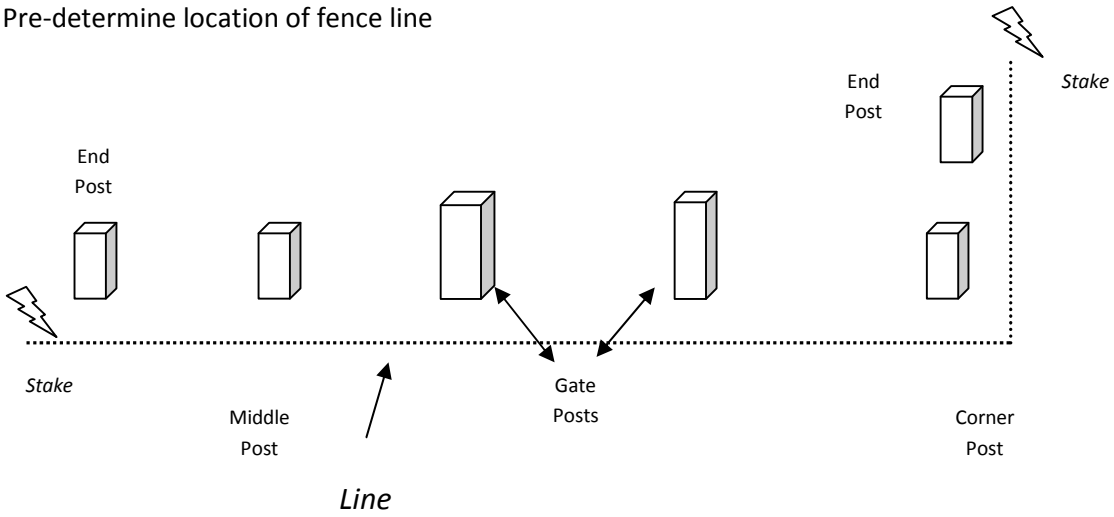
- The PVC Duralok Fence System is designed based on a minimum strength for Geographical Wind conditions for Region A
- The post footing is to be compacted to a density of at least 600mm
- Post footing shall be constructed with N20/20/100 concrete.
- Concrete to conform with AS3600 - CONCRETE STRUCTURES CODE.
- Any steelwork to be in accordance with AS4100 - STEEL STRUCTURES CODE.

BEFORE YOU START – BEFORE AND CHECK . . . .

... that footings do not exceed adjoining land boundaries
... local authority building codes are complied in respect to the terms of frontages, heights etc.
... for locations of all underground utilities
... plan on cleaning up the site before leaving

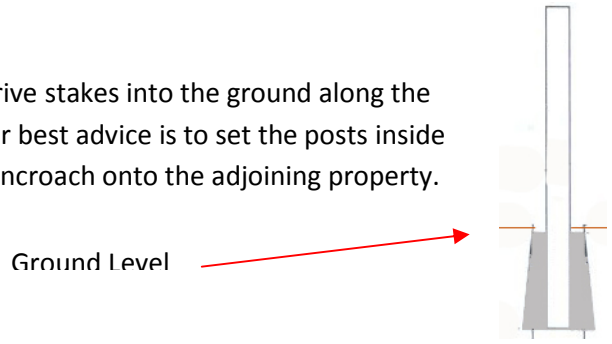
PREPARE FENCE LAYOUT

Pre-determine location of fence line



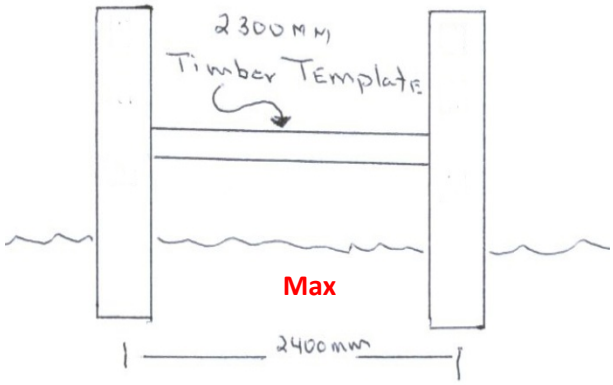
Step 1 – Locate Boundaries

Locate the boundary lines to or between properties. Drive stakes into the ground along the property line and stretch a line between each stake. Our best advice is to set the posts inside the property line so that any concrete footings do not encroach onto the adjoining property.



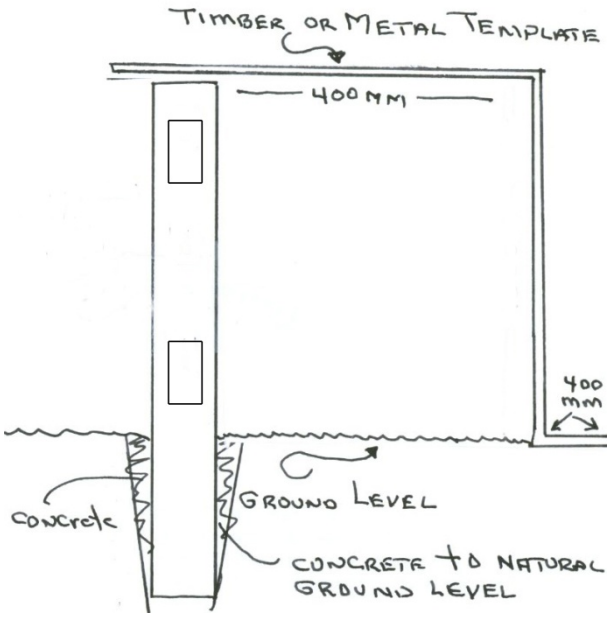
Step 2 – Install Starting Post

First Post Line: Dig and install the starting/terminating/first post of the fence line. The post should be a minimum of 600mm deep (see comment in "Dig Holes" next) and firmed up with 40kg of concrete.



Dig Holes: Use a template or tape measure and stake out all posts. The template should allow for a measurement of 2300mm from centre of one post to the centre of the next post. NOTE: Do not exceed 2400mm between the post centres.

Dig all holes approximately 700mm deep and 250mm diameter– this will allow for concrete under the posts and to surround the post.



Step 3 – Position Posts

Place all posts in your recently dug holes including gate and end posts.

Step 4 – Position of Posts

Level Posts: You now need to level all posts and firm around bottom of post with the concrete. Make sure you continue to use the string line as your boundary guide.

Consistent Height: Be sure to maintain a consistent height.

Idea:-Use A Template: A template can be used – similar this diagram.

Plumb Correct: Once the plumb and height is correct allow concrete to completely set (24 hours is recommended)

Installing Rails

Note: The design of the Duralok® PVC system takes into consideration the expansion or contraction of the profiles which will be caused by temperature changes. We recommend a reasonable location and positioning of the rails and location of any additional notches that may or may not be required.

Step 1 – Placing of rails between posts

Once the concrete around the posts is dry, slide the 2.4m rails through the holes in the posts by starting with the bottom rail and then begin to insert the infill panels in the bottom rail. When one or two panels are in position, then work the top rail in place and gradually link the panels' bottom to top.

Step 2 – Notching

The rails come standard with the needed notches but should a notch need to be placed (for whatever reason), by using the Duralok ® Notching Tool (can be ordered from Duralok), place notches where needed and secure the rail inside of the posts at each end.

Step 3 (if needed) – When concrete is used to fill posts

If the rail is going into a post which will be filled with concrete (refer to Section "FILLING POSTS WITH RE-BAR & CONCRETE"), seal the end of the rail with duct tape to prevent concrete from flowing into it.

Step 4 (if needed) – working with slopping ground & 45 degree turns

As you follow the lay of the ground, at times you may find that the cut out in the post will not allow the rail to be inserted. The angle of the rail entering the post cut out may require a larger cut in that post.

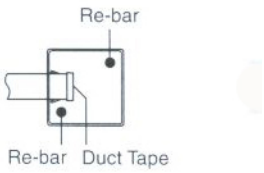
A couple of suggestions are presented:

- Use the Duralok Template and increase the cut out slightly.
- Use a file to increase the cut out slightly

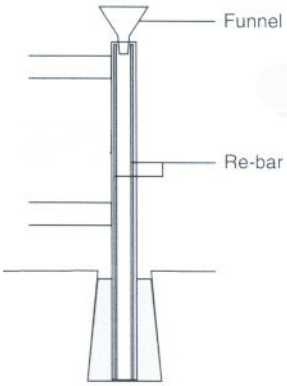
Be sure to increase the cut out in the post in small increments – if too much is taken out you will end up with a gap above the rail.

Filling Posts With Re-Bar & Concrete

With the Duralok ® system for gate installation, the post can be filled with concrete using the rebar system or using a Duralok ® designed steel channel. This section refers to the use of concrete and a re-bar system to provide the necessary reinforcement to the concrete and thus providing additional support as needed.



Gate posts, corner posts and end posts should be filled to within 5mm of the top of the post(s) with concrete and the rebar.



Step 1- Rebar

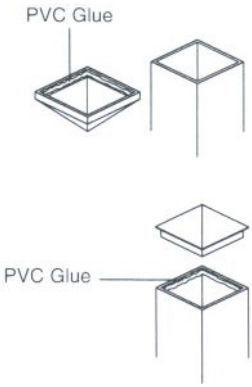
If re-bar is not being used proceed to the next step. Cut four pieces of the re-bar 10mm shorter than the post length and drop two pieces into each post at opposing corners. (See image)

Step 2 – Fill posts with concrete

Using a large funnel, fill the posts with concrete – tap lightly on the sides of the post to help avoid air pockets in the concrete and clean up excess before it dries.

Installing Post Caps

Note: Do not install post caps on gate posts until gate installation is complete.



Step 1 – Securing Caps

Apply either a PVC glue or an industrial strength silicone gel (recommended if cap will need to come off conveniently in the future)

Before You Leave The Site

- Clean up.
- Remove all material left over from the install process – for instance, check that all concrete left on the ground is deposed of, rake work area, police the area for lunch wraps, drink cans etc. and dispose of correctly
- Make contact with the customer – inform them of completion and confirm that they are satisfied with the job
- Secure any gates and/or security devices on the property.