Aluminum Fence Installation Guide

Tools you will find useful:
1. String or chalk line and stakes – to layout where your fence will go
2. Tape measure
3. Post hole digger
4. Wheelbarrow, shovel and hoe to mix and transport cement
5. Carpenters level
6. Hacksaw – if you need to cut sections down
7. Rubber mallet

Necessary Reminders – Pre-Installation:
1. Fence footings must not exceed legally established property lines.
2. Check with local utility companies for locations of underground cables or pipe lines.
3. Check local codes for specifications in fencing, if they apply.
4. Gates and fence should be installed where the bottom rail is at least 3” above ground level for easy lawn maintenance.
5. It is recommended to install fence sections with screws facing inside to insure the outside continuous beauty of the fence.

Unpacking your order:
When your order arrives please check all boxes for damage and make a note on the delivery if something is damage (this will help with the claims process if necessary to file a freight claim). It is best to keep the sections and gates in their boxes until ready for installation.

There are 5 types of posts that can be ordered: lines, corners, ends, gate blanks and gate end posts (gate posts are twice as think as regular end posts.)

![Diagram of post types]

Lay out posts in piles of each type. Use a rubber mallet to gently tap the post cap onto the posts. Exercise caution so as not to damage posts or finish.

IMPORTANT
It is strongly recommended to install this product 1 section at a time. DO NOT INSTALL ALL YOUR POSTS OR DIG ALL YOUR HOLES FIRST. Install your first 2 posts, insert your first section, next post, next section etc.
Installing your fence:

A 54" fence requires a post hole of 18" deep. Mix the concrete per instructions on bag. It is recommended to fill hole with concrete up to 2" under surface level.

If possible, begin installing your fence with the gate posts. Set your first gate post with the holes in the post placed in the direction of the fence line for insertion of your section later. Make sure the bottom hole is 3" above the grade and your post is level. Then install the second gate posts as above (opening would be width of gate ordered – a 4’ gate fits a 4’ opening). Do not install your gate until cement has set overnight. But it is ok to start installing your fence sections, with every 3 to 4 sections you install it is good to go back and check to make sure all previous sections and posts are level.

To install your fence dig your next post hole by measuring 5’11-1/2” from the center of your previous posts. Insert a (line, corner, end or gate) post per the layout you drew, then insert a section. All sections have a notch in the rails for easy insertion into the posts. These notches also keep the spacing in check. Check level of the section and your posts. Once everything is square fill the hole with cement to set your post. You may want to put a block of wood under the section to keep everything level while the cement hardens. Continue this process until fence line is complete.

Corner sections may require a 45 degree miter of the fence rails to fasten into post (per drawing below).

Corner post (top view)

Please note: If a fence section is under 6’ long a hacksaw is needed to cut the fence to the proper length. Also, a 1/8” x 5/8” notch is required for the newly cut ends (per drawing below).

Horizontal rail notch
Installing gates and hardware:
Spacing between gate posts should allow for ½” of space for hinge between gate and posts. It is important not to mount the hinges on the gate post higher than the top horizontal rail of the fence or lower than the bottom horizontal rail of the fence. Please follow installation instruction included with the hinges making sure the horizontal rails of the fence section line up with the horizontal rails of the gate.

Install latch with installation instruction included with the latch.

If you have a large opening you may put 2 gates together (called a drive gate). The hinges will be put on the gate posts. A latch and Drop rod will hold the gates together in the center. The drop rod will be installed on the inside of the gate opposite the leaf which has the latch. The drop rod catch must be installed high enough so that the rod will not drag on the ground while gate is in operation per drop rod instructions included.

Finishing your installation:
Drill holes into posts and horizontal rails and fasten rails with #8 x 1” stainless teel tek screws that are included.

Replace dirt and grass around all posts for a neater appearance and enjoy your new aluminum fence.