



Fortress Fence Installation

Important Notes:

Be sure to check with your city, state and community to acquire all the necessary permits for your fence installation project.

For easier and safer installation use at least two people to install your Fortress Fence.

Make sure that your proposed fence line is installed within your property line.

Call before you dig. Make sure all underground utilities have been properly marked before you commence post excavation.

Tools Needed:

Post-hole diggers or power auger

Post level

Wheelbarrow

String Line & Stakes

Shovel

Drill Gun

Tape Measure

Reciprocating Saw

Level

Rubber Mallet

Recommended Safety Equipment:

First Aid Kit

Safety Goggles

Heavy Work Gloves

Hard Hat

Steel Toe Boots

Layout & Planning:

1. Measure and stake out proposed fence compound and run string around outside of stakes
2. Determine depth of footing and amount of concrete needed to complete the project. Consult with your local building supply company to determine the amount of material needed.
3. Layout Corner Posts– Line outside of Corner posts with inside of property line.
4. Layout Gate Posts– Line gate posts in line with corner posts at desired location. Be sure to consult Fortress' Gate sizes chart upon layout in order to use standard gate sizes.(See chart)
5. Layout Line Posts – Evenly space posts to 8' o.c. Distribute any cut panel length evenly at corner and/or gate post panels. (See detail)

Fence Installation

Post placement

1. Using post hole diggers or a power auger, dig to predetermined depth with an 8" diameter hole for fence posts. Gate posts may require larger diameter holes based on post size.(see chart for post depth recommendations) Clear loose soil and debris from bottom of hole.
2. Place posts in corresponding hole and brace for concrete placement.
3. Place concrete at not greater than a 4" slump. Form concrete into a cone that gathers at base of post above grade to avoid standing water at base of post.
4. Verify that all posts are placed plumb and aligned with one another and fence line.
5. Allow 24hours for concrete to set unless using quick set concrete or an accelerator in your ready mix.

Bracket Placement

1. Measure all line posts from top to predetermined bracket spacing. Mark spot with erasable marker or construction chalk.
2. Use supplied self tapping screws to firmly secure brackets to marked post locations.
3. Install brackets to all panel posts.
4. Verify bracket location and alignment.

Panel Placement

1. Hang panels on brackets anchored to posts and secure with supplied nuts and bolts.
2. If cutting is required for shorter runs, use reciprocating saw or hand held band saw to cut excess panel. Be sure to cut panel straight and level.
3. Grind or sand cut edges to remove burrs and edges.
4. Touch-up cut edges with Fortress Zinc Rich Touch-up paint.

Gate Placement

1. Secure gate hardware per hardware instructions.
2. Hang gate leaf plumb and level with fence line.
3. Insure that gate opens and closes free of obstruction.

Touch-Up

1. Sand or file any edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the fencing.
2. Touch-up cleaned panels with two coats of zinc rich paint supplied by Fortress Iron. If touch up is at rail ends, allow paint to dry before connecting to post and bracket.

Clean-up

1. Clean site of loose soil and empty packaging.
2. Clean off concrete splatter and dirt from posts and panels.