



# WOOD COMPOSITE FENCING INSTALLATION INSTRUCTIONS - DOG EARED STYLE - 4" X 4" X 96" POSTS

TimberWolf® Wood Composite Fencing is Engineered to Last a Lifetime. These installation instructions are for face mount and side mount installation on level ground using individual components. To ensure that you have the most up-to-date version of the installation instructions, and for alternative styles and post setting methods, please check our website at [www.TimberWolfComposites.com](http://www.TimberWolfComposites.com)

**PLEASE NOTE: Because wood-plastic composite materials are non-structural, it is very important to follow these instructions carefully. Following these instructions will ensure proper installation, your warranty is validated, and that TimberWolf® is the last fence your home will ever need.**

## IMPORTANT INSTALLATION INFORMATION

1. Prior to installation, consult your local building code requirements, determine your desired fence style, and purchase all required materials.
2. Transport and store all fence boards on a flat surface. If boards become bent or twisted, before installation either lay on flat surface and apply weight until straight, or bend back into shape.
3. All composite posts are non-structural and require either rebar and concrete or steel pipes inserted inside the hollow for structural integrity.
4. The suggested size of post hole for the concrete foundation/footing is based on a soil bearing pressure of 3,000 PSF or more. If the soil is soft, a larger hole/footing will be required to prevent the fence from leaning or ultimately falling over. An indication of the soil bearing pressure is the level of effort required to dig the footing hole. The easier it is to dig the hole, the lower the soil bearing pressure. The frost line in your area should also be considered when determining the proper post hole depth.
5. As with all fence construction, there should be a slight space between backer rail and post or panel and post.

## STEP 1. DETERMINE MATERIALS NEEDED

Individual components provide design flexibility, and are ideal for sloped and uneven terrains.

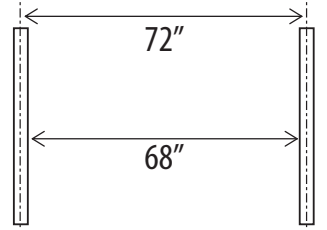
Materials Required for Each 6ft Section:

- 13 Pickets (13.5 Face Mount) • 3 Rails • 1 Post • Plus 1 Post at fence end
- 1 Fence Accessory Kit OR 3 pairs of Rail Brackets, 1 Post Cap for each Post, TimberWolf® Adhesive
- 25 lbs of gravel • 4 60 lb bags of concrete
- 30 1" coarse-thread, corrosion-resistant pan head screws (Side Mount) OR 12 2" screws\*(Face Mount)
- 78 1-5/8" corrosion resistant screws\*, nails or staples • 4 small tacks (optional)

### STAKE OUT FENCE LINE

- 1 Stake out your fence line, 72" from post center to post center (68" apart)

\*Phillips II (or equivalent) color coated screws are recommended, and are available in matching colors



## STEP 2. CHOOSE METHOD OF POST INSTALLATION AND DETERMINE ADDITIONAL MATERIALS NEEDED

### REBAR AND CONCRETE POST INSTALLATION

This cost effective method involves supporting TimberWolf® composite posts with rebar and concrete.

Materials Required for Rebar and Concrete Post Installation: 1 8ft or 2 6ft lengths of 3/8" rebar rods

- 12" of tie-wire (if using 2 6ft lengths of rebar) • 1 60 lb. bag of concrete
- For Gate Post: 3/4" x 2-1/2" x 96" wood furring strip

- 1 Dig post holes 12" diameter by 30" deep, and use 6" of gravel at the bottom. \*\*
- 2 Insert 8ft rebar into post (if using 2 6ft lengths, wire both pieces together for a total height of 8ft). Insert post into the hole and drive rebar 2" below top of post and into gravel.
- 3 96" post should be set in 24" of concrete, above the 6" of gravel, resulting in 72" above ground level. Rebar should be set 2" deeper than post, into gravel.
- 4 Fill post hole with concrete. Use a level for vertical plumb alignment. Use a string line between end posts to align post heights
- 5 Align post heights and ensure posts remain plumb while concrete cures for 24 hours.
- 6 At gate posts, also insert a 3/4" x 2-1/2" x 96" wood furring strip into hollow of post against the wall where gate will be attached, prior to filling with concrete.
- 7 Use a funnel\* to fill posts within 2" of top with concrete. If using Side Mount style, complete STEP 3 INSTALL RAIL BRACKETS prior to filling posts with concrete. \*An upside down traffic cone works well

**GATE POSTS**

Top View  
Concrete fill  
Rebar  
Post  
3/4" x 2-1/2" x 96" Wood furring strip

\*\* See Important Installation Information Step #4 above.

### STEEL PIPE POST INSTALLATION

This quick & easy method involves supporting TimberWolf® composite posts with steel pipes.

NOTE: Always Use a 2-7/8" Outside Diameter Steel Pipe For This Method of Installation

- Materials Required for Steel Pipe Post Installation: 1 8' length of 2-1/2" steel pipe (2-7/8" O.D.)\*\*\*
- 2 1-1/2" Hex head self-tapping screw

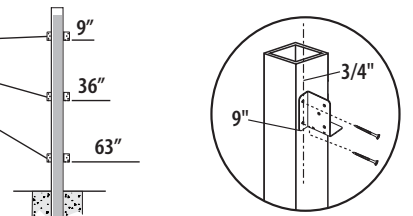
- 1 Dig post holes 12" diameter by 30" deep, and use 6" of gravel at the bottom.\*\*\*
- 2 Insert 8' steel pipe into the post hole and work approximately 2" into gravel. Fill post hole with concrete stopping 3" below grade, resulting in steel pipe 70" above ground level. Use a level for vertical plumb alignment. Ensure pipes remain plumb while concrete cures for 24 hours.
- 3 Trim post to 75". De-burr steel pipe. Slide post sleeve over steel pipe until desired height is reached. Use string line between end posts to align post height and ensure front edge of post sleeve is parallel with the fence line.
- 4 Secure post sleeve to steel pipe near base using 2 self-tapping hex head screws. Fill remaining ~3" of hole with dirt, resulting in post sleeve ~72" above ground level.

\*\*\*Always use a 2 7/8" outside diameter steel pipe with a minimum wall thickness of 0.11"

## STEP 3. INSTALL RAIL BRACKETS FOR SIDE MOUNT STYLE (SKIP THIS STEP FOR FACE MOUNT)

- 1 Left and right rail brackets should be attached to inside of posts, with screw holes positioned at 3/4" from back edge of post. Position the bottom edge of brackets at 9", 36", and 63" from top of post and attach using corrosion-resistant 1" coarse-thread pan head screws. Ensure brackets are vertical and in line with each other.

**IMPORTANT: For face mount style no brackets are needed; Proceed to Step 4 - OPTION B**



## STEP 4. INSTALL RAILS AND PICKETS

First Choose Side Mount or Face Mount Style

### Option A - Side Mount

- 1 Trim 72" rails down to 67-3/4" and attach rails to brackets using corrosion-resistant 1" coarse-thread pan head screws. Equally space the rails between posts, allowing slight space between rail and post.

### Option B - Face Mount

- 1 Screw 72" rails into face of posts, positioning bottom of rails at 9", 36", 63" using 2" corrosion-resistant screws\*, with screw holes positioned 3/4" from back edge of post.

- 2 Apply a thin bead of TimberWolf® Adhesive onto each rail and attach picket.

Apply Adhesive

**IMPORTANT: TimberWolf® Adhesive MUST be used on all rails before pickets are attached to ensure structural integrity.**

### Attach Pickets to Rails

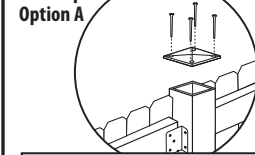
- 3 Place picket against rail, lining up so pickets are ~1" off ground, level across the top, and checked for plumb alignment. Evenly space pickets across rail and attach using 1-5/8" corrosion-resistant screws\*, nails or staples (2 fasteners each where attached to rail, 6 per picket). Trim 13th picket as needed for Side Mount. For Face Mount you will need 1 extra picket for every 2 sections.

Top View - Side Mount

Top View - Face Mount

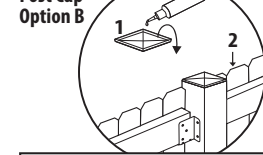
## STEP 5: ATTACH POST CAPS

Post Cap Option A



Place post caps onto posts and affix with 4 small tacks.

Post Cap Option B



Sparingly apply adhesive to the underside of post caps (1) and affix to the top of each post (2).

Finished Look

