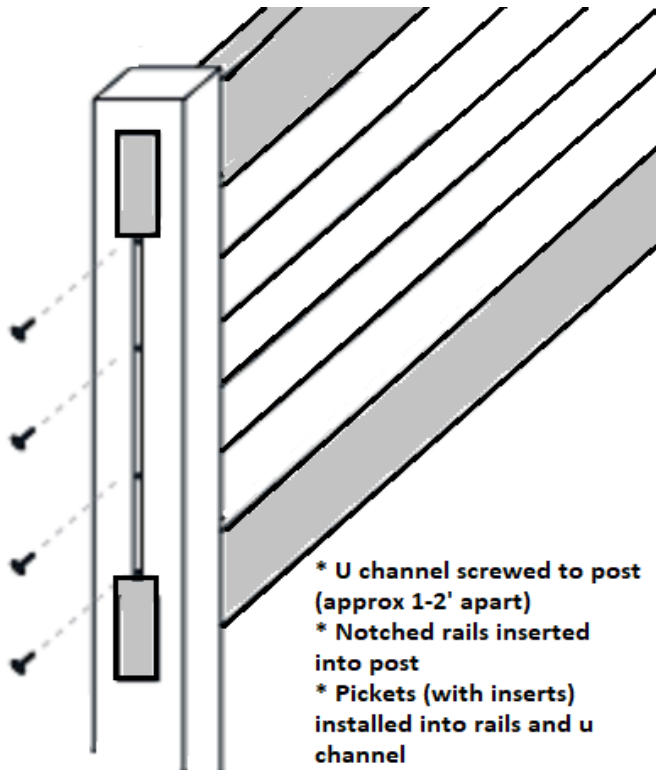


# Installation Instructions for Horizontal Tongue & Groove Product

## Key Concepts to make note of:

- Posts install on center at approximately 5'6" on center. Please confirm with first panel.
- Dark color product (Dark Sequoia and Dark Walnut) requires aluminum in all rails no matter the panel width
- Pickets may be 6" or 11.3" (with one groove) depending on color of product utilized—Pickets are to be installed Tongue Up/ Groove Down with Rip Picket as the first picket under the top rail (rip picket size varies on height and product)
- Picket inserts are utilized in all color panels. Number of picket inserts vary upon lightness to darkness of color—for example, for horizontal applications, dark colors have inserts in all pickets except top ripped pickets.
- **U-channel is required to be screwed to posts on all installations of horizontal T&G and all color vinyl fence installations otherwise. It is strongly recommended even on white privacy installations.**
- Factory made gates required for all horizontal applications—field made gates are not recommended—internal frames required on all dark colors with picket inserts
- Gate braces are always supplied with this product. Gate braces are installed in the field diagonally starting from the top hinge to opposite bottom corner of gate.
- Horizontal is not recommended for projects requiring rack-ability—panels can only be stair stepped



- Take caution on installation fence near reflective windows as intense heat from the sunlight reflection can permanently damage the fence
- All posts should be properly concreted with hole diameter 1.5 times the post size
- For cleaning the vinyl fence and additional information, please visit [www.pvcbrochures.com](http://www.pvcbrochures.com)



- \* Rip Picket installed on top of panel
- \* Install Tongue Side up (groove side down)
- \* Pickets are to be carefully glued
- \* Picket inserts used based on color of product
- \* Insert into u-channel screwed onto the post
- \* Pickets installed between rails

# Installation Instructions for Horizontal Tongue & Groove Product

## Getting Started...

- Call before you dig! Call 811
- Verify all materials to material list and insure all installation instructions are reviewed
- Verify layout to insure material list matches final layout

## Post Hole Digging and Spacing...

- Confirm post on center spacing before beginning installation of any fence design. Verify post on center spacing utilizing one vinyl rail and metal insert (if applicable) from panel.
- All posts should be properly concreted with hole diameter 1.5 times the post size
- Rails should be inserted 1" - 2" into the post. When installed, the post should still allow for expansion and contraction of rails. Rails should not butt each other inside the post or will cause the panels to warp.
- U-channels MUST be screwed to the posts prior to installation of posts. U-channels should be screwed every 1-2' onto the post between the routed holes. This is recommended for all vinyl installations, but REQUIRED on ALL color and horizontal applications.
- Verify all materials to determine any cuts needed and re-notch rails or other application to secure rails into post (screw, O-ring or whatever option is recommended or determined at time of install).



## Installation of Panels...

- Verify material needed per panel—for horizontal applications—ensure ripped picket is staged to be installed as top picket.
  - If using 11.3" picket, a 6' high panel for instance has 5 regular pickets and 1 ripped picket to go on top (under top rail)
  - If using 6" picket, a 6' high panel for instance has 10 regular pickets and 1 ripped picket to go on top (under top rail)
- If picket inserts are required, the inserts should be properly placed within one of the chambers of the picket. Please review your order confirmation for which pickets are to receive the inserts as it varies on height, width and color.
- For horizontal applications, an emulsifying glue made for vinyl products is used to further secure the horizontal panel. Properly prepare the glue to use a small amount on the tongue and groove connection point per picket as building the panel upwards from the bottom picket (installed groove down) until the top picket is installed. Do not glue the picket into the rail.
- Depending on the type of emulsifying glue utilized, test usage amount on a sample piece prior to installation. This test is advised to ensure you do not over glue the picket material which could damage the product and leave residue at the connection points.
- Make sure pickets fit tight and lock into both the rails and the u channel when installing while still allowing for expansion and contraction of  $\frac{1}{8}$ " to  $\frac{1}{4}$ " of an inch. It is recommended to install post-panel especially for the first few panels to ensure proper fit.

## Installation of Gates...

- Set gate posts after you verify the gate frame width (OTO) as well as the hinge and latch clearance for the hardware used when installing gates. By doing this, your gate posts will be set at the proper opening.
- Ensure proper gate support is provided in gate posts—this may be aluminum inserts, wood, and/or concrete fill depending on the application.
- Hang gate with proper gate brace support (required on most gate designs).
- If installing a double drive gate, be sure to utilize two drop rods (one on each leaf) to meet warranty requirements.