



475 - 6<sup>th</sup> Street, San Francisco, CA 94103  
tel: 866.835.9859 • fax: 415.896.0583

## General Guidelines for installation of Plyboo® Reveal and Linear Line Panels

Depending on your particular requirements many different installation systems may be appropriate. Our recommendation is to use the Monarch Z-clip system. Alternatively, Plyboo bamboo plywood has great screw hold power, therefore, some people choose to use a micro screw and go straight through the face of the panel into a supporting structure behind. (Pre-drill the face and screw to studs or plywood not drywall or sheet rock).

### **The following is an example of an installation using the Monarch Z-clip system:**

We recommend that you review this carefully along with the Monarch Metal webpage [www.monarchmetal.com/z-clip-selector-tool/](http://www.monarchmetal.com/z-clip-selector-tool/) that contains further detailed installation instructions, and a helpful video ([http://www.monarchmetal.com/wp-content/uploads/2013/03/all\\_01.mp4](http://www.monarchmetal.com/wp-content/uploads/2013/03/all_01.mp4)) In addition to the Monarch website recommendation; we have the following recommendation for fastening the Z-Clip system to the back of our Reveal and Linear Line Plyboo® panels.

Monarch typically recommends using 12 panel clips, however for greater ease of install the use of (4) 36" continuous lengths can be used across the back of each panel. The first continuous length should be centered horizontally approx. 6" from both edges (left, right) and 6" from the top of the panel, evenly space out the remaining 3 continuous lengths down the panel, at approx. 28" from the 1<sup>st</sup> continuous length. The length of Z-Clip can come with pre-drilled screw holes, additional holes can be made in the field as needed. Before drilling or setting screws, lay Z-Clips continuous lengths in their proper position on the back of the panel. Draw a pencil line along the top and bottom edge of the Z-Clip continuous length and also mark the holes of the Z-Clip continuous length. Using an 1/8" drill bit, drill into the back of the panel at your penciled in holes to a depth of approx. 1/4" depending on the design, taking care to not drill through the face.

Using Loctite PL Premium Polyurethane Construction Adhesive, run a 1/8" diameter bead of adhesive 3/8" down from the top edge pencil mark on the panel. *\*Because aluminum can oxidize it is important to thoroughly clean the Z-clips and or continuous lengths before applying adhesive to allow for strongest hold.*

*\* It is important to keep the bead of adhesive in the upper fluting area of the Z-Clips and continuous lengths to avoid the adhesive squeezing into the seating area for the adjacent clip/continuous length.* If adhesive enters this seating area it could restrict the even seating of the two clips or continuous lengths when mounting the panel to the adjacent Z-clip length on the wall. Now set the Z-Clip continuous length carefully into place per your pencil markings, using an 8 x 1/2" Stainless Steel, panhead phillips, self-tapping screw, fasten the strips into place using the pre drilled holes. Note as the depth of the screws are minimal, it is best to screw these in by hand rather than with a screw gun.

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Using the z-clip selector tool at the Monarch Metal web site  
<http://www.monarchmetal.com/z-clip-selector-tool/>

## Find the Right Z Clip

Five simple questions to determine the right <sup>L</sup> Monarch Z Clip specification

1. What type of Hanging System are you looking for?

**Choose: Standard Monarch Z-Clips**

2. How far would you like the installed panel to sit out from the wall (the "projection")?

**Choose: Minimum Possible**

3. How much clearance is there between the panel and the finished ceiling?

4. What is the material / substrate and the thickness of the panel being mounted?

**Choose: 3/4 inch plywood**

5. What are you mounting the panel to?

\*\*\*Please note Item 3 and Item 5 are to be answered dependent on job site conditions and materials used in wall fabrication.\*\*\*

\*\*\* Measure and hang Z-Clips on the wall as needed for jobsite conditions and proper Plyboo® Reveal or Linear Line panel placement according to Architectural Specifications and field measurements.

If you have further questions on installing Plyboo Acoustical panels or our RLS panels, please feel free to contact us at [866.835.9859](tel:866.835.9859).

Best regards,  
Smith&Fong Plyboo  
[www.plyboo.com](http://www.plyboo.com)

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