

## INSTALLATION INSTRUCTIONS

### **DIMENSIONAL AND FLAT WALL PANELS:**

Particular care must be taken not to bend panels during installation, especially longer panels, as it could create bubbles in the fabric. Keeping panels in a vertical, straight upright position is the safest and required way to handle the panels.

When mounting Rotofast panel anchors or other types of hardware, please make sure you lay the panels on a clean flat surface free from dirt or debris so panels do not get soiled, punctured or damaged in any way. Never stand panels on their corners as it could cause crushing and de-laminate the material from the corner of the panel. The fiberglass core is a soft material that can be dented if proper care is not used when handling.

Please keep pencils, markers, liquid nails, knife blades and other such tools away from the face of the panels you are installing.

### **BAFFLES:**

Baffles come with hardware already installed; it is a matter of hanging them in your designated space. Please use the same care instructions as the wall panels.

### **CLOUDS:**

We make various types, sizes and configurations of clouds. Each type of cloud will come with its own type of assembly and installation instructions. Lay both parts on flat, smooth, clean surface. Use "U" channel labeled A-B, C-D, E-F to cross over to each half. Match up to inserted Rotofast anchors that are also marked A-B, C-D, E-F. Gently tighten screws thru the "U" channel to hold both halves into place. Hang cloud from holes drilled in ends of each 3' cross piece. Please use the same care instructions as the wall panels. AEI does not supply the wire hanging kits which come in 3 different lengths. We do recommend using Caddy<sup>®</sup> Speed Link Wire hanging kits

<http://www.erico.us/products/LDwithLoop.asp>.

### **ROTOFAST ANCHORS:**

Follow the instruction sheet that is provided in the package of [Rotofast](#) anchors. It is important that you screw the anchors in the back of the fiberglass panel only until the flat part of the anchor is just flush to the panel. If you screw the anchor in too far (especially in a 1" panel) you will create a bulge in the face of the panel. Never screw anchors into the fabric or material that is wrapped around the back of the panels, as it can delaminate the fabric from the corners and edges of the panel.

Remove panels from the crate. Lie panels face-down on a clean or covered work surface.

Use Acoustic Enterprises Inc. placement recommendation sheet included with panel order for quantity and anchor location on panels and clouds.

### **Using Rotofast Cloud Anchors:**

Insert loop into flat side of anchor until it snaps into locked position. Using the loop as a handle, screw clouds/anchor into fiberglass back.

### **Notes:**

If cloud has a perforated white vinyl back (used for white light reflection), cut a small slot in vinyl to start anchor in.

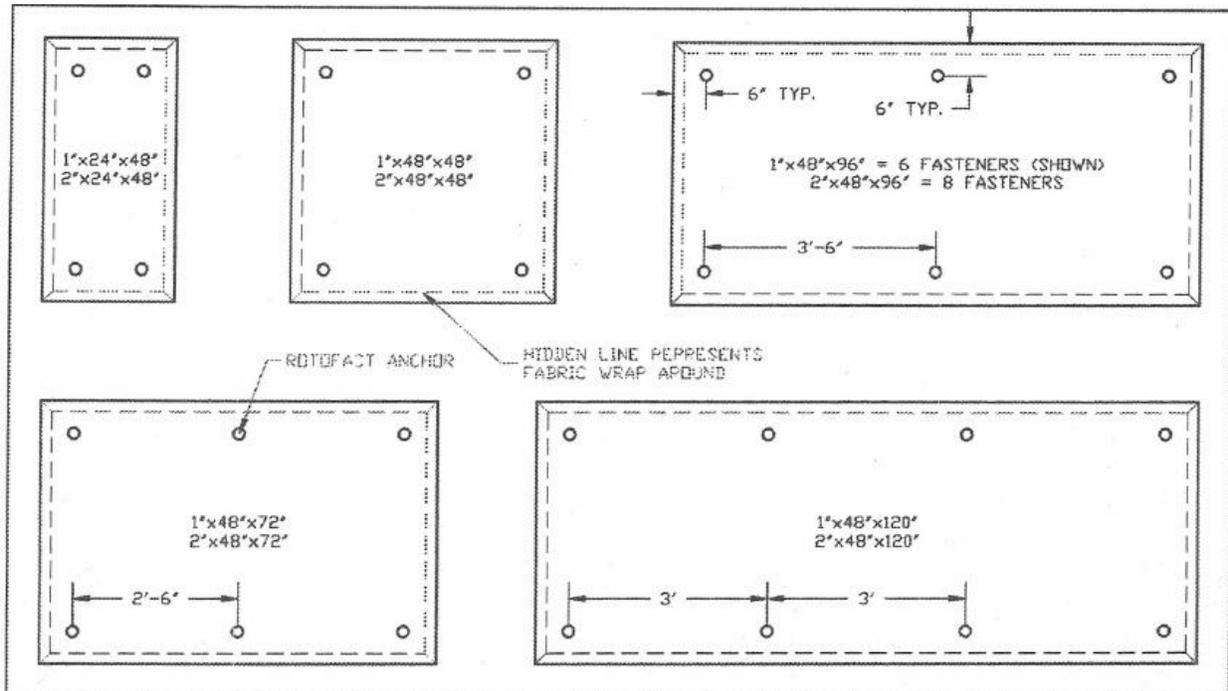
When installing the screw with the black ratchet into either the white screw anchor or the wall with the screw only, leave the ratchet slightly loose for easier alignment.

Each Roto-fast anchor will hold up to 43 lbs. Each square foot of 7" panel weighs approximately ½ lb.

Roto-fast anchors are used for easy installations of permanently mounted panels. If the white wall anchors are installed, and the black ratchet is screwed into it, upon removal the drywall will be torn. Semi-permanent installation can be achieved by not using the white wall anchor.

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Panels can be removed, with a carpenter square by inserting the short side behind the panel, and the long side as a handle. Once panels are removed, and channel locks can be used to unscrew the yellow anchor, then the ratchet can be pushed thru. All the parts can be removed and reused, for reinstallation of the panel.



### Using "Z" Clips:

Panels are fabricated with a line across the width. Resin hardened spots are poured across the line so the center of the ["Z" clip](#) can be installed on site on the line. The installer can mark the wall with the same measurement from the panel, and the "Z" bar, or "Z" clips can be installed for the desired panel location.

"Z" bar comes in six foot lengths or 2 each of the 2" "Z" clips can be used on both panel and wall.

### Using Impaling Clips:

Clips should be installed using the Acoustic Enterprises Inc. placement recommendation sheet included with each panel order.

Mounting on drywall can be done with screws only or with screws and adhesive. Mounting on concrete or masonry with adhesive should be done ahead of installation time for maximum strength.

If the wall panels are not required to be removable, the easiest method of installation is [Impaling Clips](#).

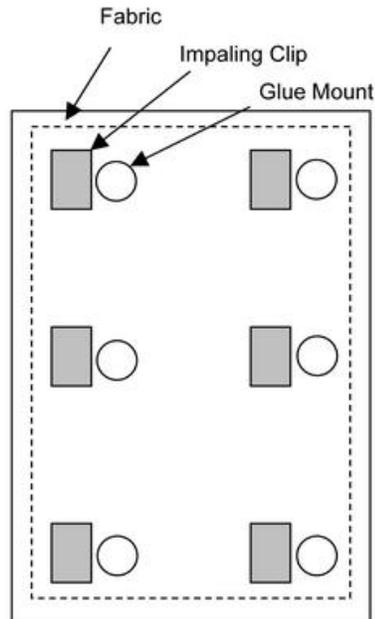
- Impaling clips are shipped from the factory with the panels and should be screwed into the wall where the panels are to be installed. Care should be taken to screw the impaling clips into a stud when possible and to space the clips so that they will be evenly spaced on the back of the panel.
- The back of the wall panel should be covered with a construction adhesive and placed onto the wall in the desired location.

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- The impaling clips will hold the panel in place while the adhesive sets.

**NOTE:**

A flat board or plywood piece should be used on the face of the acoustical panel to make sure that pressure necessary to push panel onto the clip, does not crease or wrinkle the facing.



**STANDARD NUMBER OF CLIPS PER PANEL**

| PANEL LENGTH | NUMBER OF CLIPS |
|--------------|-----------------|
| up to 24"    | 4               |
| 24" x 48"    | 4               |
| 48" x 72"    | 6-8             |
| 48" x 96"    | 6-8             |
| 48" x 120"   | 8               |

If you should have any questions or concerns about installing your new custom products, please call your project coordinator.