Acoustic Pro™ Fabric Wrapped Panels

IMPALING CLIP INSTALL INSTRUCTIONS

Impaling clips are the standard way to mount Acoustic Pro™ panels to a wall. The clips are fastened to the wall, and the panel is pushed onto them. This guide walks through each step, from receiving your panels to pushing them onto the clips.

Receiving and Handling

- Carry panels upright, with the width in the vertical position, to avoid stressing the panel and possibly cracking or breaking it.
- Wear disposable white cotton gloves whenever possible to avoid soiling the fabric, especially light-colored fabrics.
- Clean stains and soiling, including adhesive, as soon as possible to make removal easier (see the Acoustic Pro Fabric Cleaning & Disinfection Guide).

Installation Tools

- Impaling clips
- Drywall screws, concrete anchors, or shots and pins (for concrete block or precast concrete walls)
- Drill or screw gun
- Construction adhesive (ex. Liquid Nails or another quality adhesive)
- Clean block of wood, 6 inches square or larger
- Laser or chalk line
- Plumb bob or laser
- Shims

Planning

- This guide covers mounting Acoustic Pro panels to a wall with impaling clips.
- Second Skin Audio matches the number and type of clips to your panel size and ships the hardware with your order. Use all of the hardware provided.
- Vertical placement of W1 clips is preferred, but installation accuracy (square, level) is not critical. W5 clips must be closer to level, as the angled prongs are directional.
- For 2" thick panels, larger W5 clips are recommended.
- The clips hold the panel in place while the adhesive sets, generally 8 hours. For a faster set time, consider Liquid Nails Fast Set Paneling adhesive or Henry 420 or 421 adhesive.
- Leveling clips, angle, or molding to support the bottom of the panels is not required. Use them where field conditions and experience call for additional support.

Preparation

1. Strike a level line at the panel bottom with a laser or chalk line.
2. Establish a plumb line for the first panel with a laser or plumb bob. Use it as a reference for the remaining panels.
3. Check that the existing wall is flat and true. Shim the clips as needed to provide a flat, plumb panel installation.
4. Determine where each panel edge falls on the wall. You can attach the clips before hanging the panels.

Installation

1. Install impaling clips 4 to 6 inches in from the side edges of each panel, about 2'0" to 2'6" on center. Install additional clips in the center of the panel if the wall is out of plumb.
2. Fasten the clips to the wall with drywall screws, concrete anchors, or shots and pins for concrete block or precast concrete walls. For a more secure attachment, apply adhesive behind each clip.
3. Shim the clips to plumb as needed so each panel face sits flush with the adjoining panels.
4. For a more secure installation, apply construction adhesive liberally to the fiberglass and the teeth of the clips to bind the fibers to the clips.
5. Line up the panel with your marks and push it onto the clips. For proper adhesive setup, release the panel and reapply it to allow gases to escape for a permanent bond (read the adhesive's application instructions).
6. Do not apply excessive pressure or impact to the panel, which could crush it. Use a clean block of wood, 6 inches square or larger, to push panels onto the clips.

For any other questions or field problems, contact Second Skin Audio at 800-679-8511 or visit www.secondskinaudio.com.