

TECHLITE® INFRASONIC SERIES BASS TRAPS INSTALLATION INSTRUCTIONS



Installation procedures for bass trap accessories may vary from manufacturer to manufacturer. For specific accessory component information, detail drawings, CAD design assistance, detailed information or other technical services, contact the manufacturer. Note: If significant changes to structure are to be made, such as mounting cables or hardware into framing members, or wall/ceiling mounting of bass traps, such installation impacts appropriately land in the purview of a structural engineer or general contractor licensed in the state where installation occurs. The following information provides general notes and installation instructions for TECHLITE Bass Traps.

Installing Bass Traps using spray adhesive for wall/ceiling corner treatment:

- 1) Plot bass trap positioning, layout, and design before beginning the mounting process.
- 2) Prepare a spraying area with drop cloths/newspaper to protect your room.
- 3) Ensure the mounting surface is smooth, clean, and free of dust.
- 4) Gently wash surface with warm water if necessary, allowing adequate time to dry.
- 5) When mounting, maintain a room temperature around 70° F (21° C) for best adhesive performance. NOTE: Do not attempt to mount foam with adhesive on wallpaper or textured walls and ceilings.
- 6) Liberally apply adhesive to the back of the melamine foam, as well as the wall/ceiling where it will be mounted. Allow 5 to 10 seconds for the adhesive to become tacky.
- 7) Carefully place acoustic foam against the adhesive-coated wall/ceiling and apply firm pressure.
- 8) Hold foam in place for approximately 15-30 seconds to allow the adhesive to bond.
- 9) Maintain a room temperature around 70° F (21° C) for as long as reasonable during curing process.

Installing Bass Traps using Loctite's *PowerGrab* (or approved equivalent) construction adhesive for ceiling/wall:

- 1) Handle with care.
- 2) Work with clean hands on a clean work surface. Wear clean cotton/canvas gloves for installation.
- 3) Overhead corner ceiling installations may require additional support and cure time until adhesive sets.
- 4) Make sure both the bass trap and surface to which the traps are being applied are dust free and dirt free. If adhering to a metal surface, use a degreaser.
- 5) Cut end of adhesive tube at 45 degrees to produce a ¼" bead.
- 6) To maximize bonding process, use pressure to apply a ¼" bead of adhesive to each of the two (2) sides of the trihedral corner trap, around the full perimeter of the trap, applied to within 1" of trap edges. Use the diagram shown in Figure 1 below as a guide.
- 7) Using pressure, apply a ¼" bead of adhesive from opposite corners through the center of the trap, forming an "X". Use the diagram shown in Figure 1 below as a guide.

- 8) Press trap into place firmly and hold for 5 seconds. Be sure to apply pressure to all adhesive-applied areas. If part of the panel comes off the wall or ceiling, remove panel completely, remove and reapply adhesive or use different panel.

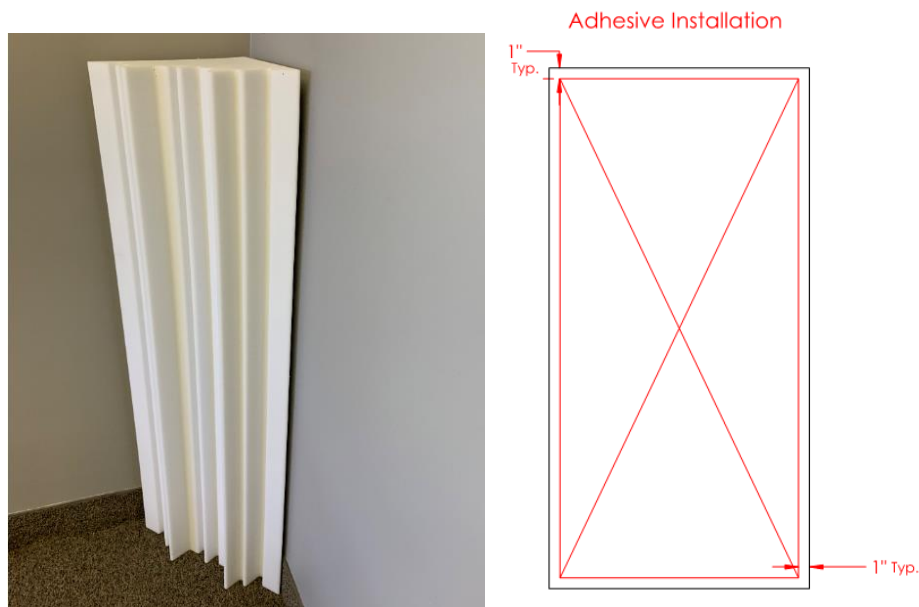


Figure 1: Construction Adhesive Application

Installing Bass Traps using L brackets for corner mount wall installation:

- 1) If you prefer not to glue the bass trap directly to the wall, you can first glue the foam to a thin piece of plywood, and then mount it on the wall using L brackets.
- 2) Cut end of adhesive tube to produce a ¼" bead. Apply a ¼" bead of adhesive from opposite corners through the center of the trap, forming an "X". Use the diagram shown in Figure 1 (above) as a guide.
- 3) Fix two (2) L brackets on the wall at the correct height to support the bottom edge of the bass trap, located on adjacent walls approximately 10 inches out from the corner.
- 4) Position the trap on your bottom brackets and mark the top bracket positions.
- 5) Push bass trap between the brackets. Fix four (4) pan-head wood screws into the plywood, MDF, or similar, edging of the trap.
- 6) Note, if you are stacking multiple traps then only the bottom trap requires bottom brackets. Additional traps can be stacked on top and fixed with top brackets only.

General Notes:

- 1) Bass traps come with a white foam or light grey foam face, and are constructed of open-cell melamine foam.
- 2) Custom coatings to suit most color palettes available upon request.
- 3) Store traps out of direct UV sunlight.
- 4) Store and protect traps from the elements and from damage.
- 5) Do not subject traps to critical edge lighting without first consulting TECHLITE.

List of accessories:

- Loctite PowerGrab Construction Adhesive (or approved equivalent)
- Plywood, L brackets, screws, screwdriver and/or power drill

Please consult TECHLITE Acoustics Engineering Department for technical assistance to suit your specific project requirements.

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