



## **Acoustifoam™ FLAT PANELS (for walls/ceilings)**

### **Installation Instructions**

For specific accessory component information, detail drawings and information or other technical elements, please contact Décor Acoustics. Note: If significant changes to structure are to be made, such as mounting cables into framing members, such installation impacts should be reviewed and signed off on by a structural engineer or general contractor licensed in the state where installation occurs.

There are multiple ways to install the Acoustifoam Flat Panels, so please review all the methods available, and determine the most suitable one for your application. These instructions will cover the installation of the Flat Panels on Walls and Ceilings, but please note the last 2 methods provided (Installation Pins and Impaling Clips) are ONLY suitable for Wall installations.

#### General Notes for FLAT PANELS:

- 1) Flat Panels either come 'natural' (un-coated), colored with Quick Ship colors, or can be 'Pantone Custom Colored' ('PCC').
- 2) Store acoustical panels out of direct UV sunlight.
- 3) Store and protect acoustical panels from the elements and from damage.
- 4) Do not subject acoustical panels to critical edge lighting without first consulting Décor Acoustics.

#### **Installation via Spray Adhesive (for **CEILING** or **WALL** applications):**

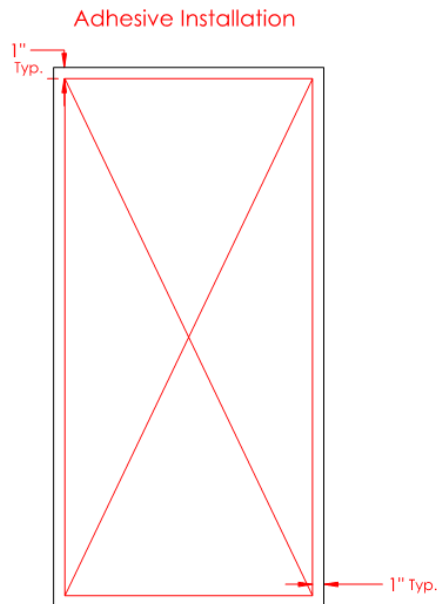
- 1) Plot Flat Panel positioning, layout, and design before beginning the mounting process
  - 2) Prepare a spraying area with drop cloths/newspaper to protect your room
  - 3) Ensure the mounting surface is smooth, clean, and free of dust
  - 4) Gently wash surface with warm water if necessary, allowing 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 acoustic foam and the wall/ceiling where it will be mounted
  - 7) Allow 5 to 10 seconds for the adhesive to become tacky
  - 8) Carefully place acoustic foam against the adhesive-coated wall/ceiling and apply firm pressure
  - 9) Hold Flat Panels in place for approximately 15 seconds to allow the adhesive to bond
  - 10) Maintain a room temperature around 70° F (21° C) for as long as reasonable during curing process

#### **Installation via Construction adhesive (for **CEILING** or **WALL** applications):**

[Recommended: MS 262, or equivalent]

- 1) Handle with care. Do not pick up or handle panels by the corners.

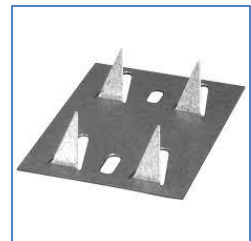
- 2) Store right side up and flat in a clean, dry area protected from the elements. Do not sit on, or stack anything on top of boxes.
- 3) Work with clean hands on a clean work surface. Wear clean cotton/canvas gloves for installation.
- 4) Overhead Installations may require additional support and cure time until adhesive sets.
- 5) Make sure both the panels and surface to which the panels are being applied are dust free and dirt free. If adhering to a metal surface, use a degreaser.
- 6) Cut end of adhesive tube at 45 degrees to produce a ¼" bead.
- 7) To maximize bonding process, use pressure to apply a ¼" bead of adhesive to back of acoustical panel around the full perimeter of the panel, applied to within 1" of panel edges. Use the diagram shown in below as a guide.
- 8) Using pressure, apply a ¼" bead of adhesive from opposite corners through the center of the panel, forming an "X". Use the diagram shown in Figure 1 below as a guide.
- 9) Press panel into place firmly and hold for 5 seconds. Be sure to apply pressure to all glue-applied areas. If part of the panel comes off the wall or ceiling, remove panel completely, remove and reapply adhesive or use different panel.



Glue application using Construction Adhesive (image above)

**Installation via Impaling Clips (ONLY for WALL applications):**

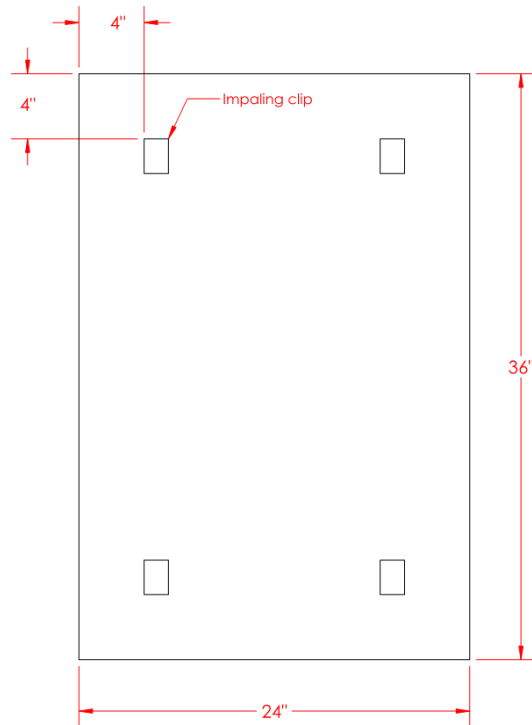
- 1) Handle with care. Do not pick up or handle panels by the corners. Work with clean hands on a clean work surface. Wear clean cotton/canvas gloves for installation. Keep panels in the box until ready to install.
- 2) Make sure both the panels, clips and surface to which the panels and clips are being applied are dust free and dirt free. If adhering to a metal surface, use a degreaser.
- 3) Hold the panel up on the wall where it is to be installed and lightly mark the placement of the panel with pencil.



4) Mark the horizontal top line and vertical edge line for the panel location using a level.

5) Remove the panel and measure 4" inside from the edges of the panel to determine the location of the impaling clips. (See drawing below).

- For panels up to 4' X 4' - use 1 clip in each corner (ie: 4 per panel).
- For all larger panels (ie: 4'x4' and above) – use 6 clips (ie: 1 per corner and two in line with the center of the panel).



Installation with Impaling Clips (image above)

The application of the Impaling Clips to the back of the Flat Panels can be done using either Construction Adhesive or Screws.

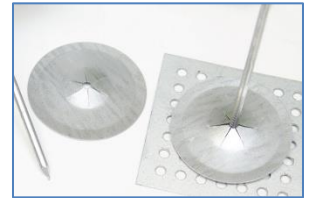
Using Construction Adhesive:

- 1) Cut end of adhesive tube at 45 degrees to produce a ¼" bead.
- 2) Apply a ¼" bead of adhesive in an X form to the back of the impaling clip and place them in the marked spot on the wall.
- 3) Apply pressure and hold in place for 5 seconds.
- 4) Before adhesive is fully dry, following the outline press panel firmly into place. Apply even pressure to all clip areas.
- 5) For panels less than 2" thick, please consult Décor Acoustics.

Using Screws:

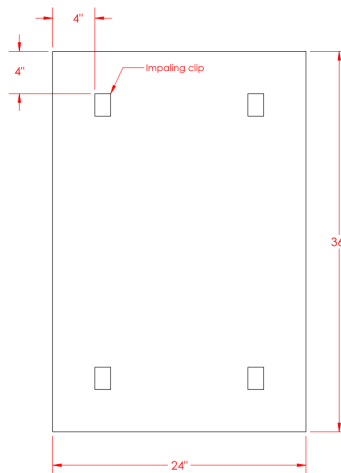
- 1) Drill the screw into the hole at the base of the clip. If necessary, move the clip to drill into a stud.
- 2) If screwing into a stud is not possible, use a drywall anchor type screw to ensure a proper hold.
- 3) Following the outline, press panel firmly into place. Apply even pressure to all clip areas.
- 4) For panels less than 2" thick, please consult Décor Acoustics.

**Installation via perforated *Insulation Pins* (ONLY for WALL applications):**



- 1) Handle with care. Do not pick up or handle panels by the corners. Work with clean hands on a clean work surface. Wear clean cotton/canvas gloves for installation. Keep panels in the box until ready to install.
- 2) Make sure both the panels, pins and surface to which the panels and pins are being applied are dust free and dirt free. If adhering to a metal surface, use a degreaser.
- 3) Hold the panel up on the wall where it is to be installed and lightly mark the placement of the panel with pencil.
- 4) Mark the horizontal top line and vertical edge line for the panel location using a level.
- 5) Remove the panel and measure 4" inside from the edges of the panel to determine the location of the impaling clips. (See drawing below).

- For panels up to 4' X 4' - use 1 Pin in each corner (ie: 4 per panel).
- For all larger panels (ie: 4'x4' and above) – use 6 Pins (ie: 1 per corner and two in line with the center of the panel).



Installation with Insulation Pins (image above)

Using Construction Adhesive:

- 1) Using pliers, cut the tips of the pins to be ½" shorter than the panel thickness.
- 2) Cut end of adhesive tube at 45 degrees to produce a ¼" bead.
- 3) Apply a ¼" bead of adhesive in an X form to the back of the insulation pin and place them in the marked spot on the wall.
- 4) Apply pressure and hold in place for 5 seconds.



- 5) Before adhesive is fully dry, following the outline press panel firmly into place. Apply even pressure to all pin areas.
- 6) For panels less than 2" thick, please consult Décor Acoustics.

Using Screws:

- 1) Using pliers, cut the tips of the pins to be ½" shorter than the panel thickness.
- 2) Drill the screw into one of the holes at the base of the clip. If necessary, move the clip to drill into a stud.
- 3) If screwing into a stud is not possible, use a drywall anchor type screw to ensure a proper hold.
- 4) Following the outline, press panel firmly into place. Apply even pressure to all pin areas.
- 5) For panels less than 2" thick, please consult Décor Acoustics.

Front-facing pin install:

- 1) Make sure the pins are longer than the thickness of the panel.
- 2) Insert the pins into the 4 corners of the panel, 4" from all edges.
- 3) Insert the washer behind the panel.
- 4) Hold the panel up to the wall and lightly hammer the pins into the wall.

Should have any questions, please let us know!