

TECHLITE® SILENCER COMPOSITE PANELS INSTALLATION INSTRUCTIONS



Installation procedures for Composite Panel 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 into framing members, or wall/ceiling mounting of Composite Panels, 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 SILENCER Composite Panels.

Installing Composite Panels using spray adhesive for ceiling/wall:

- 1) Plot 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/vinyl with adhesive on wallpaper or textured walls and ceilings.
- 6) Liberally apply adhesive to the back of the acoustic foam/mass loaded vinyl, as well as 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/mass loaded vinyl against the adhesive-coated wall/ceiling and apply firm pressure.
- 9) Hold acoustic foam/mass loaded vinyl 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.

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

- 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 Figure 1 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.

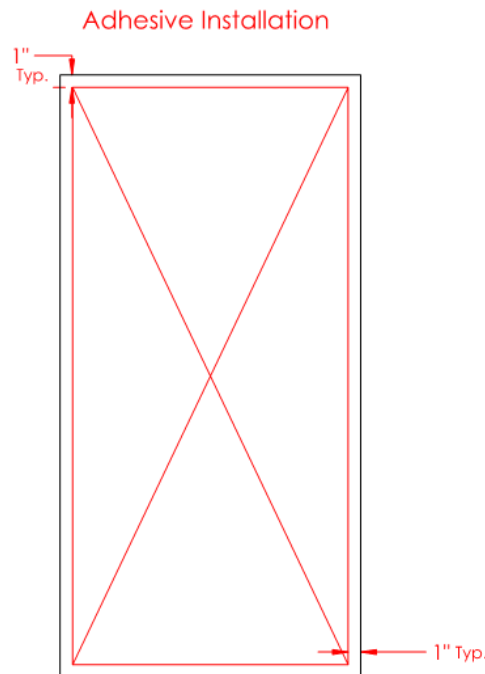


Figure 1: Construction Adhesive Application

General Notes:

- 1) Composite panels come with a white foam or light grey foam face, and are constructed of open-cell melamine foam and mass loaded vinyl.
- 2) Custom coatings to suit most color palettes available upon request.
- 3) Store composite panels out of direct UV sunlight.
- 4) Store and protect composite panels from the elements and from damage.
- 5) Do not subject composite panels to critical edge lighting without first consulting TECHLITE.
- 6) TECHLITE does not advise seaming, or butting together the panels over repeated, extended patterns.

List of accessories:

- Loctite PowerGrab Construction Adhesive (or approved equivalent)

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

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