

STC Hi-Sabin™ Panel Installation Instructions

March 8, 2019

Furred and Separated Mounting: ASTM E795 Type J

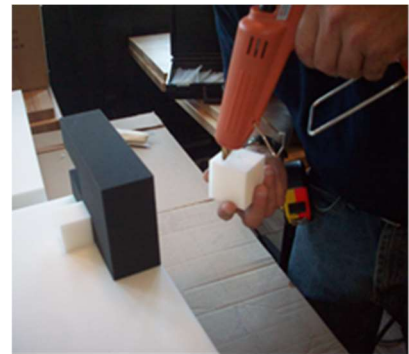
Best acoustical results and economy are achieved with Type J mounting using foam standoff mounts and a pattern of panels spaced at least 6-inches apart. Higher amounts of sound absorption per panel result from having air space above the panel and exposing the top and sides of the panel to reverberant sound energy. This means fewer panels are needed for the amount of sound absorption desired.

Adhered Mounting: No expensive special mounting hardware is required. Panels are attached to the substrate with hot-melt adhesive. *Recommended Hot-Melt Adhesive Gun: 3M “Scotch-Weld™ Hot Melt Applicator AE-II-LT”* available on the STC Sound Control website.

1. Surfaces for adhesive mounting must be clean and room temperature; painted surfaces must be sound. Apply limited amounts, a small circle about 1-inch in diameter, for each application of adhesive. Each strip of adhesive is 10-inches long and adheres 4 panels with 4 standoffs each (32 spots).



2. Use alignment techniques for straight lines and equal spacing where required including laser alignment tools or spacers made from cardboard, foam, or other lightweight material.



3. Plan locations of standoffs and panels in advance. Standoffs should be located to engage flutes of metal deck and 5” from panel edge for ideal support and concealment for floating panel effect.

4. Apply adhesive to one surface of standoffs. Place on panel back at determined locations and allow to set at least 4 minutes.
5. With clean hands or wearing latex gloves mount panels to surface by applying adhesive to top side of standoffs. Place panel in final location before adhesive is allowed to set.
6. Test the proper set of adhesive by pulling panel slightly but do not remove; press again to ensure proper set.



Positive Fastening: Where substrate is subject to thermal change, such as metal roof decks, use a positive fastening system. Attach standoffs to flutes of deck with self-tapping screws and large washers. Adhere panels to standoffs; putty knife application is recommended.