



# STC Hi-Sabin™ Panel Installation Instructions

August 27, 2016

## **Adhesive-Applied 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 adhered to the substrate with hot-melt adhesive. 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. No expensive special mounting hardware is required.

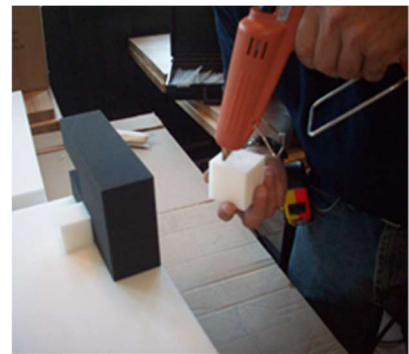
**Recommended Hot-Melt Adhesive Gun: 3M “Scotch-Weld™ Hot Melt Applicator AE-II-LT”** available on the STC Sound Control website.

1. Surfaces for adhesive mounting must be clean; painted surfaces must be sound.

- a. 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 should provide for 4 panels having 4 standoffs each.

2. Use alignment techniques for straight lines and equal spacing where required including:

- a. Laser alignment tools;
- b. Spacers made from cardboard, foam, or other lightweight material.



3. Plan panel and standoff locations; make spacers and templates to assist in providing accurate locations and alignments.

4. Standoffs should be located to engage flutes of metal deck.

5. Standoffs should be located at quarter points for ideal support and concealment for floating panel effect.

6. Apply adhesive to one surface of standoff mount and place standoffs on

panel back at pre-sprayed locations and allow to set at least 4 minutes.

7. With clean hands or wearing latex gloves mount panels to deck or wall by applying adhesive to top side of standoffs.

8. Immediately place panel in final location before adhesive is allowed to set.

9. Test set of adhesive by pulling panel slightly but do not remove; press again to ensure proper set.

