



ACOUSTICAL
Sound Solutions for Over 35 Years

SURFACES INC.
Soundproofing | Acoustics | Noise & Vibration Control

CHURCH GYMNASIUM

Acoustical Problem Solved!

Ted:

Thank you for helping our church choose the right solution to the echoing problem in our gym. It took four people 3.5 hours to hang the 600 sq.ft. of **Echo Eliminator™** tiles from the sloped corners of the room with two men on the scaffolding, applying the spray adhesive and placing it on the ceiling, and two men on the ground to cut and apply the caulk adhesive. It would have taken less time if we didn't have to cut the tiles (the slope was actually 2 in. short of 4 ft.) and had a second scaffolding set up. We used a sturdy pair of kitchen scissors to cut the tiles which was all we had on hand at the church.



This plywood room had a reverberation time that would not allow it to be used for recreation and instruction at the same time. The church needed a cost effective way to remove the echo. 1" thick, Echo Eliminator panels were installed and dramatically reduced the echo.

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To install the panels, the installers used a combination of spray (contact) adhesive (AGS-12) as well as a construction grade adhesive (PSA-29). The contact spray adhesive grabbed right away and gave the construction adhesive time to set-up.



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We started noticing a difference in the sound quality with as little as a fourth of the tiles being installed. Half way completed, you could have a conversation while some of our youth played basketball at the other end of the gym. Now that the installation is completed, we can't wait for the youth to enjoy the gym again, especially for our summer Bible school. It will make the space much more enjoyable to use and easier for everyone to hear, and understand what is being spoken and sung.

Thank you again for all of your help.

If you have any questions about this installation, please feel free to contact Ted Weidman at 800.448.0121, or Ted@acousticalsurfaces.com



The acoustical panels were put on the angled part of the ceiling because the location was an even balance of ease of installation.



The calculation that I used for the square footage at the Central Advent Church was as follows: The room that they were considering was approximately 40' x 26' x 19' average ceiling height, or approximately 19,760 cubic feet of volume. If I take three-percent of that, I am left with 592.8, which I rounded up and converted into a square footage of panels needed.