

AUDIMUTE BUYER'S GUIDE SERIES:

GYMNASIUM/RECREATION



Common Sound Issues: Are You Experiencing Any Of These Problems?

ABSORPTION

- Speech Intelligibility Reverberation Sound Quality
 Loudness Echo

ISOLATION

- Sound Transfer Impact Noise
 Vibration Noise Low Frequencies

PROJECT SUMMARY

Absorption: Yes
Isolation: No
Install: Moderate
Cost: \$\$ - \$\$\$

Planning Checklist

MUST KNOW

- Room Dimensions
 Ceiling Height
 New Build or Retrofit

GOOD TO KNOW

- Type of Lighting
 Ventilation/Ductwork
 Fire Suppression Systems
 Current Sound Treatments

Questions to ask an Acoustic Specialist

- *What type of solution should I consider?*
- *What kind of results can I expect from this acoustic treatment?*
- *Can I solve my problem in stages, or do I have to buy all at once?*
- *How does installation work? Do I need to buy any hanging hardware or tools separately?*
- *What questions haven't I asked yet that I should ask before making a decision?*

LEVEL OF COVERAGE

TYPICAL APPLICATIONS

<p>Light Absorption 5% - 25% of Wall Surface Area</p>	<p>Appropriate for live recording or listening rooms, offices, conference rooms and rooms where people gather and converse.</p>
<p>Moderate Absorption 25% - 50% of Wall Surface Area</p>	<p>Suits listening and control rooms that typically feature more subdued music, as well as larger business spaces. Moderate absorption of around 50 percent is a good estimate for many home theaters.</p>
<p>Heavy Absorption 50% - 100% of Wall Surface Area</p>	<p>Suits drum rooms, music practice space, rooms that handle high-energy music. Vocal booths and recording isolation booths require the most absorption.</p>



Ask yourself, What does success sound like?

Make sure you buy a solution, not a product. Your solution starts with understanding your problem and having realistic goals to attain.

TYPE OF TREATMENT NEEDED

ABSORPTION: YES

Sound absorption takes care of many sound issues at the source. Audimute's Acoustic Panels achieve results by absorbing mid and high-frequency sounds before they can scatter and distort around rooms.

ISOLATION: NO

Sound isolation addresses sound issues that bother people outside of the room in question. Isolation treatments either add mass to walls, or work as a constrained layer to transform sound. Either way, isolation (or "barrier") materials prevent sound from passing between neighboring areas.

We Recommend:

2" Thick Acoustic Panels or eco-C-tex®

Why? Acoustic panels or eco-C-tex® in large dimensions on walls absorb excess sound, decrease sound intensity and loudness within the space and improving sound clarity. Eco-C-tex® is a good choice for recreation spaces because it is able to recover from impact without becoming damaged.

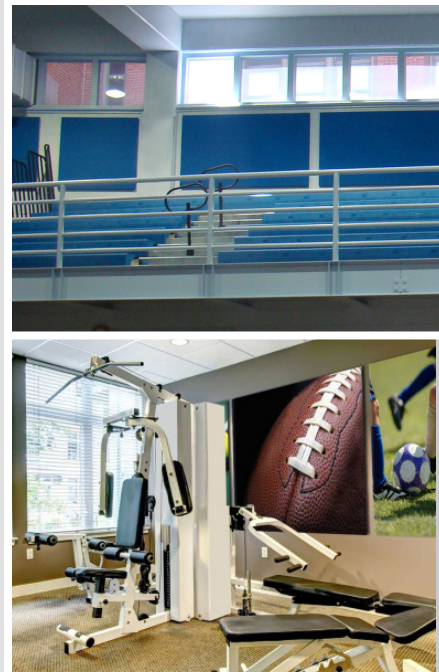
If Necessary: Acoustic Ceiling Baffles

Why? When wall space is limited, use baffles to break up sound wave travel and reduce sound reflectiveness. Baffles are especially suited to the high ceilings typically associated with Gymsnasiums and other recreational areas.



IF YOU CAN IMAGINE IT, THEN WE CAN CREATE IT

At Audimute we're able to make your product exclusively your own. There are virtually no limits to what can be done in your space with our products. We have the ability to custom cut, shape, print images, color coat and more with our products. If you can imagine it, then we can create it!



PRO TIPS: Get The Most Out of Your Sound Treatment

- Arrange absorption on walls in a checker board style to further reduce size of reflective surface and boost diffusion effects.
- Aim for at least 40% wall coverage with absorption materials, based on total wall square footage of the room.
- Ceiling baffles are necessary in most cases.
- Choose an absorption material which is durable and able to withstand some impact (especially if you plan to install on lower areas of wall.)



TAKE THE NEXT STEP

Consult with an acoustic specialist to get personalized advice
call us at (866) 505-6883
Or, if you haven't already, fill out a room analysis form at
AudimuteAcousticPanels.com