

# AUDIMUTE BUYER'S GUIDE SERIES:

## VOCAL BOOTH

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

#### ABSORPTION

- Speech Intelligibility  
  Reverberation  
  Sound Quality  
 Loudness  
  Echo  
  Hearing Protection

#### ISOLATION

- Sound Transfer  
  Impact Noise  
 Vibration Noise  
  Low Frequencies

### PROJECT SUMMARY

- Absorption:** Yes  
**Isolation:** Maybe  
**Install:** Easy - Difficult  
**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

<b>Light Absorption</b> 5% - 25% of Wall Surface Area	Appropriate for live recording or listening rooms, offices, conference rooms and rooms where people gather and converse.
<b>Moderate Absorption</b> 25% - 50% of Wall Surface Area	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.
<b>Heavy Absorption</b> 50% - 100% of Wall Surface Area	Suits drum rooms, music practice space, rooms that handle high-energy music. Vocal booths and recording isolation booths require the most absorption.



### 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: MAYBE**

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:**

#### **Absorption sheets or eco-C-tex®**

**Why?** Think versatile and movable acoustic treatments so as to be able to increase or decrease reflection and optimize recordings. At least 3 sides of the space need to have absorption.

Absorption must be present to help control reflecting echo and reverb.

#### **If Necessary: Peacemaker® Sound Barrier**

**Why?** Barrier application is only needed if the desired level of sound absorption cannot be accomplished using isolation.



### **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

- The smaller the area, the less difficult and costly it tends to be.
- Seek out existing smaller enclosure to work with.
- Room within a room= ultimate isolation and experience.
- If not constructing a room within a room, start with absorption.
- Plan to treat the ceiling last since ceiling treatment is not always necessary.



## 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](http://AudimuteAcousticPanels.com)

