



PRODUCT KNOWLEDGE

Acoustic Blankets

Part 2

What are they for?

- ✓ To create studio quality acoustic environment for clear audio recording




How?

- ✓ by Removing Sound reflections, Echo and Reverberations from a recording space, and therefore reducing sound pressure level (*noise*) within the room

What do they do?

- ✓ They **ABSORB SOUND ENERGY**..

How efficient?

- Single layer, if hang straight  - 80% noise reduction (NRC - 0.80)
- Single layer in Pleated fashion:  - 95% Noise Reduction (NRC - 0.95)
- Double Layer if hang straight  - 100% Noise Reduction (NRC- 1.0)

How do they compare to other products on the market?

They are the best acoustic blankets on the market.

Closest Acoustic Blanket Absorbs only 70% of noise (NRC- 0.7).

Comparison to Acoustic foam: Better, than 1" , 2" and 3" thick foam.

Is it sound proof?

- No . **It is NOT soundproof**, but it will dampen the outside noise such as birds chirping, humming airconditioning noises, light traffic, etc.
- We call it "*blankets for soundproofing*" because it does good job of reducing internal echo and reverberation and it absorbs outside noises as well.

(For the money these blankets do a great job of Noise Reduction.)



PRODUCER'S CHOICE SOUND BLANKETS

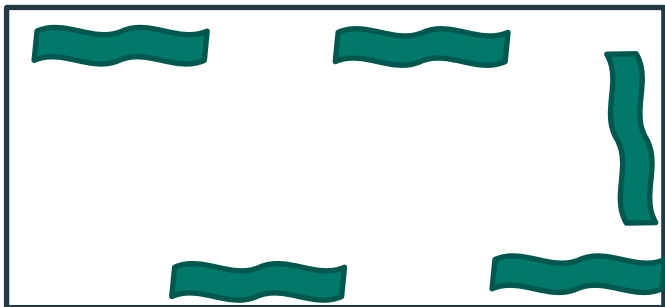
USAGE

The blankets are very effective in absorbing sound energy cancelling echo and reverberations. (**"Echo" is reflected sound. "Reverberation" is multiple echo**).

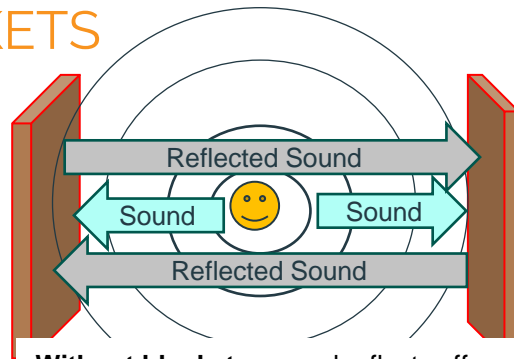
Best use of sound blankets is for acoustic room treatment of home recording studios, music studios, building a vocal booth, on site acoustic treatment etc.

We recommend covering all the walls so you do not have any reflective surfaces. Installing the blankets with 3-4 inches gap off the wall (reflective surface).

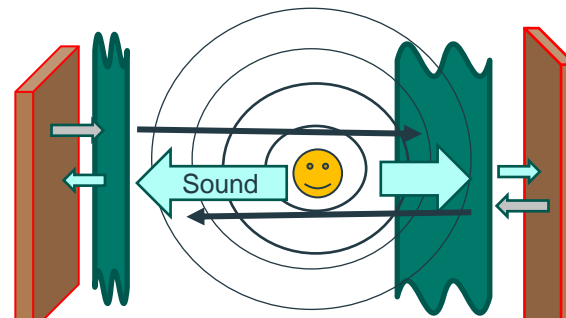
To effectively control reflections cover at least 30% of the reflective surfaces (walls) in a studio. The more reflective surfaces you cover the better it is. If you cannot cover all the walls, hang the blankets in checkered fashion to make sure that no reflective walls face each other:



Use this Calculator to help you estimate how many blankets needed to cover a whole room:
<https://www.vocalboothtogo.com/acoustic-blankets-room-coverage-estimator/>



Without blankets: sound reflects off the walls without losing energy



With blankets. Sound loses its energy as it goes through the blanket. Much weaker sound can still go through the blanket, reflect and lose even more energy as it goes through the blanket again.

This is why it is recommended to have 2-3 inches space between the blanket and reflective surface (wall).

Producer's choice blankets Specifications

Producer's choice blankets are NOT moving blankets!

They are:

- ✓ More sound-absorptive
- ✓ *much heavier,*
- ✓ *much thicker,*
- ✓ *filled with special sound absorbing cotton filler,*
- ✓ *outer fabric is more acoustically transparent.*

All Producer's choice blankets are made with the same material:

- **Outer fabric** is Woven Polyester.
- **Filler** is pure sound absorbing cotton with addition of 30% Polyester for resiliency (to keep the filler from collapsing and keep the blankets thick).
- **Thickness** is about $\frac{3}{4}$ inch thick. (*new blankets look and feel thinner because they were compressed to reduce shipping volume. Once out of the package they will expand. Tumble dry on high heat for 15 minutes will fluff up the blankets.*)

Difference between the models: Color, Size, Grommets.

If a blanket has even SKU number: 70, 72, 76 – it is Black/White

If a blanket had odd SKU number: 71, 73, 77 – it is Black/Black

If SKU number has "G" in it (for "Grommets) – there are 8 grommets preinstalled on 80 inch side.

NOTE: We can customize blankets to fit your needs, send your order request to support@vocalboothtogo.com with the dimensions and drawings.



Producer's choice Blanket

Moving Blanket



Producer's choice Blanket
filler

Moving Blanket
filler

Producer's Choice Acoustic Blankets **STOCK**

01



Sound Acoustics Blankets

80" L x 80" W
VB-70, VB-70G
VB-71, VB-71G
SB-VG

Acoustic Noise Reduction
Panels

96" L x 80" W
VB-72, VB-72G
VB-73, VB-73G

02



03



Recording Studio Blankets

120" L x 80" W
VB-76G,
VB-77G

Q and A

1

Q: What is the Difference between the Sound Blankets and the Acoustics Panels? What kind of blanket should I get?

A: They are all Producer's Choice Sound Blankets made from the same material and have same efficiency.

"Blankets" are smaller, for incidental use;

"Panels" are 8 ft high to serve as a wall panel and cover the whole wall.

"Studio size" are 10 ft high for commercial rooms

4

Q: Why blankets have Black and White? What is the purpose for that?

A: The White side of the blankets is good for photo studios to control light, It also makes the room look bigger and feels less claustrophobic. While the Black blankets are useful in videography and on a movie set as it does not reflect light and is "invisible" for the camera.

2

Q: What is the STC rating of your blankets?

A: Our Producer's Choice sound blankets is an absorption product with NRC 0.8. They are designed to absorb sound waves, especially of high and medium frequencies and reduce reverberation. STC is a transmission loss test designed for soundblocking materials and it is not used to absorption products.

5

Q: How do I Soundproof my room ?

A: Soundproofing requires dense airtight enclosure with massive walls, floor and ceiling and decoupled from the building. Soundproofing with Acoustic blankets is based on sound absorption principal. Blankets are not soundproof, the sound will go through it, but the sound energy will be reduced due to absorption.. As a quick and easy solution they are the most cost efficient.

3

Q: How do you treat the exposed ceiling ?

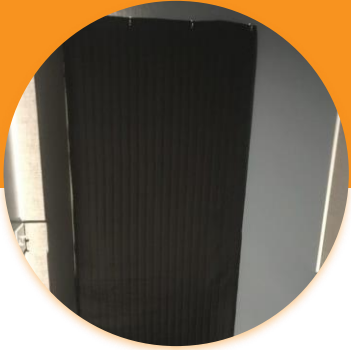
A: We have ceiling blanket panels that can be used. The Ceiling blanket tiles that can be used to cover the ceiling and the Ceiling Sound Baffles which you can suspend vertically.

6

Q: Can I use the Sound blankets to cover the window?

A: Yes, the Sound absorption blankets will dampen the noise from outside coming in to the window. Our special Window Noise Control blanket is double layer panel for better performance. Many customers use them to cover the doors and windows and are happy with it. Do not forget to make sure the window is closed tight and properly sealed.

SPECIALTY BLANKETS



Door Noise Control Covers (DNC) & Window Noise Control cover (WNC)

- Double layered thick
- DNC Size 38" W x 90" L
- WNC Size 38" W x 9=72" L
- Door Buddy – DoBud – specially desogned door cover to move with the door panel
- DNC Weighs 12 lbs
- WNC weight 9 lbs
- DoBud – Weight 10 lbs



Ceiling Blanket Tiles

- Size: 24" W x 48" L
- 16 grommets evenly distributed all around the blanket edges.
- Black/White color.
- Weighs 2.5 pounds each



Sound Absorption Strips

- Size 16" W x 80" L
- 2 inch wide Velcro tie ups, one in each corner (4 tie ups)
- Black/White color
- Quilting is parallel 2 inch wide in vertical direction; white stitching
- Weighs 3 lbs each



Ceiling Sound Baffles

- Size: 78"L x 18"W
- 5 loops allow these baffles to be hang off the ceiling on a hook, or on a straight rod.
- Reduces echo and reverberation reflected from the ceiling
- Weighs 2 pounds each
- Come in all White or all Black

More Interesting Q&A...

Q: Can we use the Sound blankets for the floors?

A: We don't recommend it. The blankets are not designed to be used on the floors. Customer can use rugs or carpets. We have Floor Mats and this will absorb the vibration..

Q: How much the blankets shed without being washed? (How much dust comes out from it?)

A: The fillers in the blankets are recycled cotton material and before the blankets are shipped, they are being pressed to reduce the shipping volume this gets some of the filler expelled from inside and settle on the outside fabric and look like white powder. You can vacuum it or use lint roller to remove the dust particles once. The blankets should not normally shed.

Q: I want to purchase the Sound blankets and install them outdoors, during rainy days, will this product hold up or should it be covered?

A: Our Sound absorption blankets are made out of cotton. If you leave it outdoors and it gets wet, it will not perform well and it gets destroyed.

Q: Is it okay to use washing machine to wash the booth that has a plastic window?

A: Yes, AVB series booths and VOO can be washed. The plastic window is going to survive the washing machine and the heat drier. It is going to be fine.

The challenge is that it takes a lot of time to dry them up. **WARNING:** The velcro straps tends to catch on to blankets (hook parts) and get filled with threads.

For SPB, the outer panels made out of durable Nylon you can wipe it with soap and water.

DO NOT submerge the SPB panels in water..

Q: What is the difference between the sound blankets and the Door Noise Cover blankets and Window covers blankets?

A: The Door covers and Window covers both are doubled up material. They are folded and stitch together. More heavier and more absorbent. Door covers is 90" long while the Window is 72" long. Door covers have 4 grommets at the top.

Q: Why the blankets are so thin and how to make them thicker?

A: When the blankets are prepared for shipping they are being compressed to expel all the air and reduce the shipping volume.

When you take the blankets out of the bundle, you may notice that they will start to expand over time and become thicker.

To make the blankets thicker and fluffier, take them to a laundromat and run in a larger commercial dryer on hi heat setting for about 15 minutes. The blankets will come out nice and thick.

Q: How to wash the blankets?

A: Simply take them to your local laundromat (not dry cleaning) and put them into a commercial washing machine, use regular detergent but not too much. Wash on the hot washing cycle.

Dry in a large Commercial Dryer - one blanket per dryer. It can take approx 45 mins to an hour to dry, because the blankets are thick and retain a lot of water.

They can still be somewhat damp so you would let them hang in the house and allow them to completely dry overnight.

After washing you may see a few fuzzy balls, this is normal as the cotton inside will shed a bit when washed and dried.

Q: What is the ratio of the wall to blankets when being pleated in fashion?

A: There is no exact formula but it can be approximately 1 and 1/2: 2 blankets. (2:3)