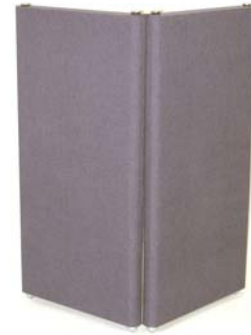


VariScreen™

Combination Tool



*The First, Free-Standing, Variable, Diffusive Screen
From The Acoustical Industry's Leading Innovator*

The VariScreen™ is the industry's first free standing variable acoustics screen with a broad bandwidth absorber on one side and RPG®'s flat binary amplitude diffuser (BAD™) on the other. Optional Skyline treatment shown above. This hinged upholstered panel can be positioned and adjusted with a Variable Depth Air Cavity (VDAC™) to control low frequency modal problems. The VariScreen™ is designed for difficult to treat rooms in which surface application is not possible and flexibility is paramount. Acoustically problematic spaces, such as trade show demo rooms, critical listening and performance platforms, are easily tamed with the VariScreen™. When used in the performance mode on stage or in a worship space platform, the diffusive side aids ensemble hearing, the absorptive side controls loudness, and the panel also can be used to block louder instruments.



The Sound of Innovation™

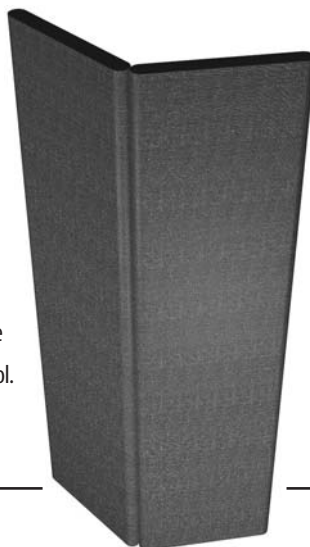
Problem and Solution

Problem

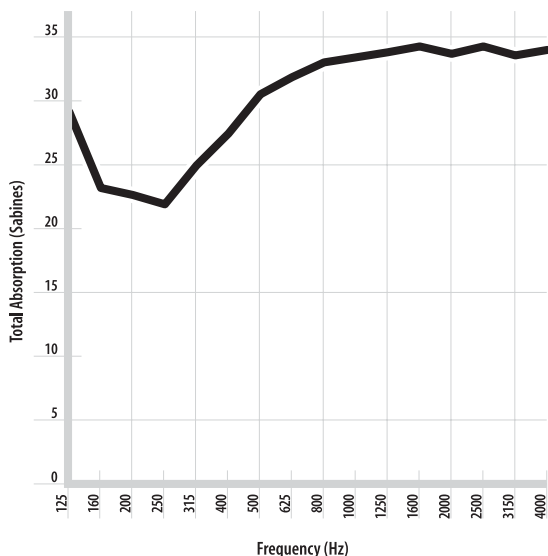
There is a need for a free standing variable acoustics screen that can provide broad bandwidth absorption, diffusion with absorption and bass control.

Solution

The VariScreen™ offers absorption on one side, diffusion on the other and a Variable Depth Air Cavity (VDAC™) formed by its two hinged upholstered panels for bass control.



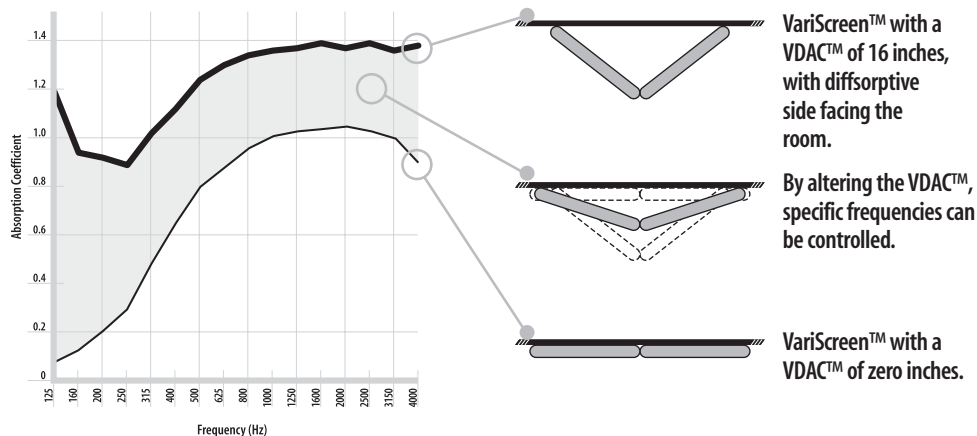
Performance Specifications



Absorption

The graph illustrates the total absorption, in Sabines, for each VariScreen™ mounted along a wall with the height of the triangle being 16". Three panels covering 74ft² with the absorption side facing the room were used for the test. The absorption coefficient, which is equal to three times the number of Sabines divided by 74ft², is also shown below. The VariScreen™'s NRC is 1.2.

Note the uniform mid and high frequency absorption with a "tunable" low frequency peak to help control bass buildup. By adjusting the position, distance from the wall, and the Variable Depth Air Cavity (VDAC™), the VariScreen™ can be used to control even the most problematic rooms.



VariScreen™ with a VDAC™ of 16 inches, with diffusive side facing the room.

By altering the VDAC™, specific frequencies can be controlled.

VariScreen™ with a VDAC™ of zero inches.

FEATURES

- Two sided absorptive or diffusive performance
- Variable Depth Air Cavity (VDAC™)
- Free standing screen
- Stores flat
- Modular and versatile
- Design element

BENEFITS

- The VariScreen™ is a two sided, hinged acoustical treatment offering pure absorption or a combination of high frequency diffusion and mid frequency absorption (diffusion) for reflection control with ambiance
- The hinged free standing screen allows adjustment of the opening angle to tune the room's low frequency response
- Since the VariScreen™ is free standing, it can be used in applications that require temporary treatment like stages, trade show exhibit rooms, or where wall mounting is not possible
- Can be used to support Skyline® 2D diffusers when additional diffusion is required (optional)
- The VariScreen™ covers up to 32ft² when in use, but stores flat in a minimum of space for economical shipping and storage
- The VariScreen™ is modular, which allows almost any type of space to be treated by simply placing units next to one another for unlimited versatility and flexibility
- By utilizing a wide range of designer fabrics, the VariScreen™ offers an aesthetic design element, as well as a flexible acoustical element

APPLICATIONS

Stages in schools and worship spaces, all critical listening rooms, including recording studios, vocal booths, home theaters, trade show exhibit rooms, quality control rooms, CD mastering, film mix and dubbing stages, and music practice rooms

SPECIFICATIONS

- Size (fully open): 72" (H) x 48" (W) x 3" (D)
- Weight: 50 lbs.
- Standard fabric: Guilford of Maine FR701 #298
- Custom fabrics available

Installation

The VariScreen™ is a hinged, free standing panel, which supports itself by adjusting the panel opening angle. By making the angle smaller and increasing the depth of the air cavity, more low frequency absorption can be achieved. Corner mounting is also very effective for low frequency control. When not in use, the VariScreen™ stores flat.