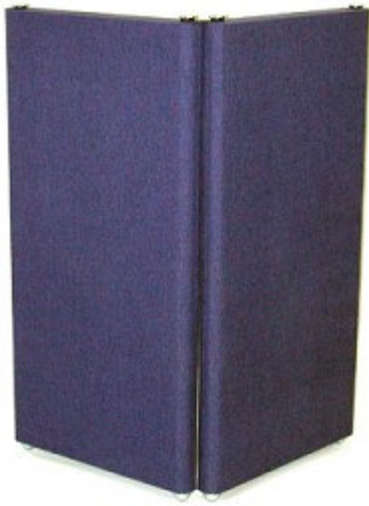


VARISCREEN



The VariScreen is a superb free standing variable acoustics screen with a broad bandwidth absorber on one side and a flat binary amplitude acoustic diffuser on the other.

This hinged upholstered panel can be positioned and adjusted with a Variable Depth Air Cavity 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 trade show demo rooms are easily tamed with the VariScreen as well as almost any critical, as well as domestic, listening or performance space.

Problem

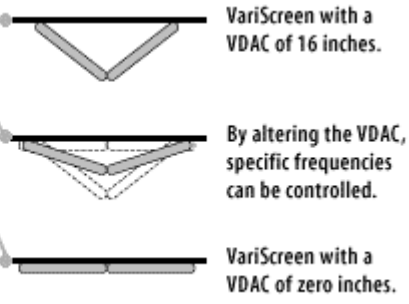
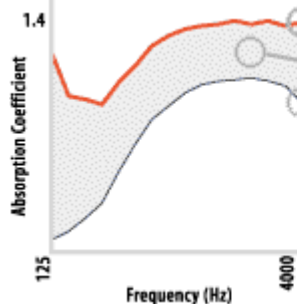
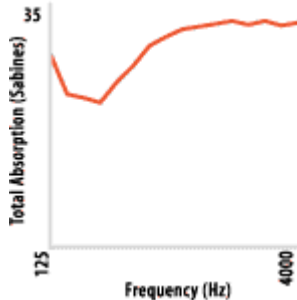
There is a need for a free standing variable acoustics screen that can provide broad bandwidth absorption, diffusion with absorption, and bass control.

Solution

The VariScreen offers absorption on one side, diffusion and absorption on the other, and a Variable Depth Air Cavity formed by its two hinged upholstered panels for variable frequency bass control

Performance

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. 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, the VariScreen can be used to control even the most problematic rooms

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 obtained. Corner mounting is also very effective for low frequency control. When not in use, the VariScreen stores flat.

The VariScreen has proved to be an invaluable tool in home theaters. The rear air cavity is very powerful in tailoring the room's bass response. The VariScreens can be used as free-standing screens in front of windows, in corners, or as room dividers. To allow this screen to act as a sound isolation barrier, the option of our soundproofing mat in the middle of the VariScreen is also available. This feature is useful when there is no rear wall in a room and partial sound isolation is desired.