

## RPG Abfflector



- Interfering reflections from a critical listening room's boundary surfaces corrupt the timbre and stereo imaging. Therefore, signal processing and image placement will not transfer accurately to other listening environments.
- The most effective way to minimize this form of acoustic distortion is to absorb the interfering reflections over a broad range of frequencies.
- The Abfflector extends the low frequency absorption efficiency of conventional flat absorptive panels. The Abfflector is a novel and economical internally hinged upholstered absorptive panel. It ships flat, but mounts with most of the absorptive material away from the boundary surface for improved low frequency absorption.

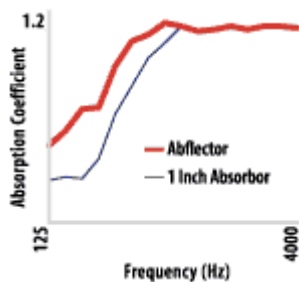
### Problem

Small rooms like Project Studios need a very efficient surface to absorb first order reflections over a broad range of frequencies. This is not possible with thin, flat, surface mounted porous fiberglass or foam panels.

### Solution

The internally hinged Abfflector ships flat for economy, but installs as a splayed wedge with an air cavity behind. This unique mounting improves bass response, increases the angle of incidence and deflects high frequencies.

### Absorption Performance



The Abfflector offers a variable airspace behind the panel that improves bass absorption. The Abfflector simulates the beneficial Reflection Free Zone effect, created by outwardly splaying side walls in a rectangular room. The graph illustrates how the Abfflector's innovative hinged panel mounting exploits the advantages of the air cavity. Notice the significant increase in the low frequency absorption over that of a similar 1" thick flat panel, mounted directly to a boundary surface.

### Installation

The Abfflector is easy to install with hook and loop fasteners, hanging rings or adhesive. A 7ft version is also available with hardwood feet for freestanding portable floor installation.

