

Absorbor™

Absorption



*Traditional fabric wrapped panels
From the Industry's Leading Acoustical Innovator*

Sound can either be absorbed, reflected, or diffused. In many rooms, flat reflective surfaces can cause interfering reflections and excessive reverberation, which can corrupt music quality, speech intelligibility, and comfort. One approach to controlling the reflections and excess reverberation is to utilize absorptive panels, which consist of a porous absorbing core, typically fiberglass, mineral wool, or foam, covered with fabric, perforated vinyl, or newer paintable and breathable glass textile coverings. RPG Diffusor Systems, Inc. has developed a simple and reliable method of attachment, which offers fixed or removable installation, utilizing the ImpaleIt™ clip.



The Sound of Innovation™

Problem and Solution

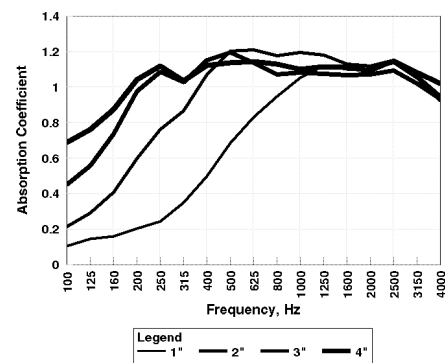
Problem

Absorptive panels are used extensively in acoustical designs to control room reflections and reverberation. Workmanship and ease of mounting are often a problem.

Solution

RPG offers complete custom panel fabrication with a novel mounting Impalelt™ clip that provides a simple and reliable fixed or removable mounting, using the Impalelt clip.

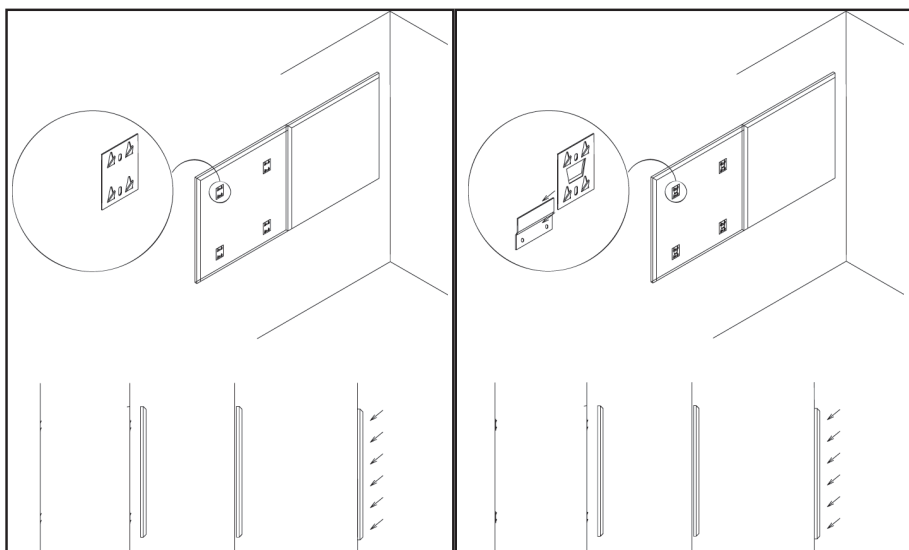
Performance Specifications



Absorption

The graph shows the typical increase in absorption efficiency as a function of thickness for an A (surface) mounting. Additional low frequency absorption can be obtained by mounting the panel away from the boundary surface.

Installation



Fixed Surface Mount

Simply secure the Impalelt™ clip to a surface, with screws or with a hook and loop fastener. Make a mark at the desired height of the panel and 1" above that for alignment. Line up the panel with the higher mark and gently pierce the back of the panel with the triangular prongs. Then press firmly into the Impalelt™ clip and press downward until the panel reaches the desired height.

Removable Surface Mount

It is often desirable to be able to remove a panel. To do so, simply attach a "Z" channel to the surface and hang the Impalelt™ clip on the channel. Make a mark at the desired height and 1" above that for alignment. Align the panel at the mark 1" above the desired height and gently pierce the back of the panel with the triangular prongs. Then firmly press the panel into the Impalelt™ clip, allowing it to pierce the rear of the panel and push downward to the desired height.

FEATURES

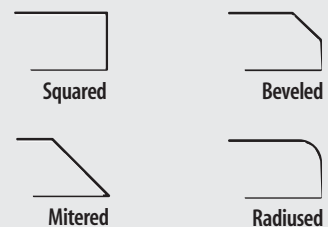
- Efficient absorption
- Custom sizes
- Standard or Custom fabrics
- Paintable fabrics
- Any edge termination condition
- Ease of installation

BENEFITS

- The RPG Absorbor provides efficient absorption and can be mounted away from the mounting surface for improved low frequency absorption
- RPG offers custom fabrication in any size and thickness
- Any standard Guilford or custom fabric that has sufficient transparency can be used
- New paintable fabrics are also offered
- RPG's CNC capability allows any edge termination condition, as well as cutouts
- Installation is easy with RPG's Impalelt fixed or removable Z clip.

APPLICATIONS

Conference and teleconference rooms, Lecture Halls, Distance Learning Rooms, Public spaces, Listening rooms, Recording and broadcast studios, Post production studios, Home theaters, Rehearsal rooms, Auditoriums, Performance spaces



Fixed Mounting Clip



Removable Z Clip