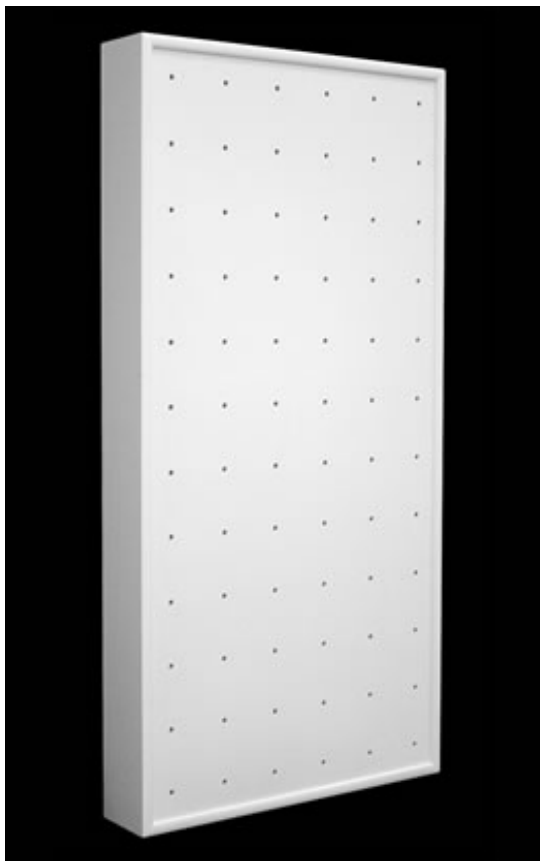




ACOUSTIKIT RESONATOR PANEL®



The **ACOUSTIKIT RESONATOR PANEL®** is a Helmholtz Type Resonator which achieves outstanding absorption performance at low frequencies.

Commonly, reverberation within low frequency range tends to be much longer than the rest of the spectrum. Consequently, the quality of the sound perceived is poor, unbalanced, “boomy”, and airless. The **ACOUSTIKIT RESONATOR PANEL®** is a powerful element to control the excess of reverberation, as well as modal interference in any acoustical environment. Correctly tuned, it is one of the most effective low frequency absorbers available. The sound not absorbed is re-radiated from the resonator openings to the room in a hemispherical pattern resulting in energy being diffused, something very desirable in low frequencies.

The **ACOUSTIKIT RESONATOR PANEL®** is made of MDF. Standard finishes are: unfinished wood, light wood, or colored lacquer. Please contact **ACOUSTIKIT** for special color matching.

The **ACOUSTIKIT RESONATOR PANEL®** is manufactured under custom specs for every room. Standard dimensions are: 2'-0" (0.61m) wide by 2'-0" (0.61m) high. Please contact **ACOUSTIKIT** to submit your room information.

The **ACOUSTIKIT RESONATOR PANEL®** installation can be implemented to any wall via customized "J" Type clips. Two pairs of clips per unit are supplied. A real panel size template with pre-drilled holes is also provided in order to accommodate mounting hardware locations. (Please refer to schematic for mounting details.)

An optional ceiling mount is available if units are meant to be installed in a standard 2'-0" (0.61m) by 2'-0" (0.61m) hanging ceiling structure.

The following information applies for reference only:

Absorption Coefficients ⁽¹⁾					
125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz
0.4	0.7	0.3	0.12	0.1	0.05

⁽¹⁾ For a sample panel of 4" (10cm) depth, 0.18% of front panel perforations and 2" (5cm) fiberglass insulation in cavity.

ACOUSTIKIT RESONATOR PANEL® units are sold in pairs (two units per carton).

ACOUSTIKIT RESONATOR PANEL® of different operational frequency can be included within the same box.