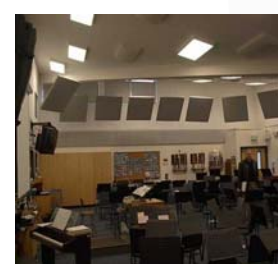


Application Profile: Music Room Acoustics



School Music Room, Los Altos, CA

Improve the Acoustics in your Music Room with Absorptive/ Diffusive Panels

The music instructor at this Los Altos school had tried everything, from standard acoustical ceiling panels and wall panels, to barrel reflectors. The application of these products served to absorb only the high frequency reflections, while the majority of the mid and low frequency sound was left uninhibited.

This presented a major problem for the music instructor because high frequency sound aids in retaining sound clarity, room intimacy, and that lively feel which musicians desire in a room. By absorbing nearly all of the high frequencies and very little of the mid and low frequencies, the room left was left “dead” in the high frequencies and reverberant in the mid and low frequencies. This caused the music played to be muddled.

West General solved this problem by providing combination of high end diffusion and mid-low end absorption. This serves to keep the liveliness of the room, while absorbing in the frequency range where the most reverberation existed. The panels were installed in a custom arrangement which allows the conductor to hear each instrument; getting a well balanced, clean sound.

Absorptive Panel Technical Data



Recording Studio



Recording Studio

Geometric Shape:

Square or Rectangular

Size & Thickness:

1" or 2" thick standard (other thicknesses available upon request)

Maximum size up to 5'x10'

Core:

6-7# fiberglass

Surface Finish:

Polyester Fabric, Perforated Vinyl, Nubby Fabric, Abuse Resistant Fabric

Color:

To be selected from manufacturer's standard selection

Edge Shape:

Square, Beveled, Mitered, Rounded

Edge Construction:

Chemically Resin Hardened

Acoustical Performance:

(See Below)

Incombustability:

Class "A" per ASTM E84 25/0/50

Suspension Provision:

Impaling Clip, Adhesive and Nails, Z-Clip

Acoustical Test Data - Acoustical Fiberglass

Thickness	Density	125	250	500	1000	2000	4000	NRC
1"	6-7#	.11	.30	.77	1.05	1.00	1.00	.80
2"	6-7#	.46	1.00	1.07	1.05	1.10	1.18	1.05