

MAXTRAP

Primacoustic MaxTrap™ is a combination broadband absorber and bass trap that is corner-mounted to control excessive bass in a room. This is achieved by combining three acoustical principles into a single device.

To handle mid-range and upper frequencies, a 3" thick front absorptive panel made from 6 lbs. per cubic foot high-density encapsulated glass wool is employed. Behind the acoustic panel is a stretched diaphragmatic dense-mass membrane that acts as a low frequency resonator to absorb bass below 75Hz. Behind the membrane is an air cavity that is created by the wood composite enclosure which serves to further attenuate bass in the troublesome 100Hz region.

The MaxTrap enclosure is made from MDF wood composite with a black, easy to clean melamine finish and ships flat to reduce freight costs. Final assembly is performed on site using a simple household screwdriver and building a MaxTrap takes about 15 minutes from start to finish! The MaxTrap is available in three panel colors: black, beige and grey.



ORDER NUMBER	Z840-1110-xx (xx denotes color code 00=Black; 03= Beige; 08=Grey)			
FRAME MATERIAL	Black melamine laminated MDF			
DIMENSIONS	24" (610mm) x 48" (1219mm) x 19" (483mm) (See detail dimensions)			
PANEL MATERIAL	Formed, semi-rigid inorganic glass fibers, 6.0 pcf. (96 kg/m3)			
WEIGHT (ASSEMBLED)	43.6 lbs (19.8 kg)			
FABRIC FACING	Acoustically transparent polyester			
DIAPHRAGMATIC MEMBRANE	Loaded vinyl, 1 lbs. per square foot			
RECYCLED CONTENT	Over 50%			
LEED ELIGIBLE	Yes 🕢			

CORNER MOUNTING ABSORPTION CHARACTERISTICS:

Sound absorption coefficient data

40Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	5kHz
.20	.57	1.76	1.27	1.33	1.23	1.19	1.13	1.13

WALL MOUNTING ABSORPTION CHARACTERISTICS:

Sound absorption coefficient data

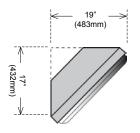
40Hz 63Hz 125Hz 250Hz 5

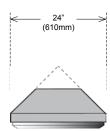
.37	.59	.83	.80	1.00	1.02	.98	.94	.95
2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.6	.59	.83	.80		1.02	.98	.94	.95
0.6 0.4 0.2					all Mounted			
Ş	50Hz 63Hz	80Hz 100Hz 125Hz	160Hz 200Hz	315Hz 400Hz	500Hz 630Hz 800Hz 1KHz	1.25kHz 1.6kHz	2KHz 2.5KHz 3.15KHz	4kHz 5kHz

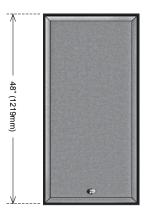
Due to the broadband nature of the diaphragmatic limp mass used in both the MaxTrap and FullTrap, the device will naturally vibrate at the room's resonant frequency. This will result in greater effectiveness at the peak frequency, in particular when comer mounted. This is clearly demonstrated in the Corner Placement Test where the resonant frequency in the laboratory is 80Hz. For reference, the standard Sound Absorption Coefficient wall-mount test was also performed. Although limited in scope, it provides typical data down to 100Hz and expected performance at lower frequencies as calculated by the laboratory. It should be noted that bass absorption tests are difficult to produce due to the extremely long wavelengths of lower frequencies and available room size. The tests, as described above, are as a result of our working with Riverbank Laboratories to deliver the most accurate findings possible given the limitations of the facility and practical mounting methods.

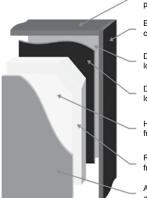
FREQUENCY (Hz)











High density wood fiber composite construction provides rigid structure of outer frame.

Black melamine finish provides a tough durable coat that is easy to clean and looks great!

Deep cavity assists in trapping bass and controls lower mid range frequencies and standing waves.

Diaphragmatic membrane vibrates to absorb lower bass frequencies without resonating.

High density glass wool panel absorbs high frequencies and helps eliminate flutter echo.

Resin treated edges work with the micromesh to fully contain glass fibers from escaping.

Acoustically transparent fabric covering presents a professional architecturally attractive look.