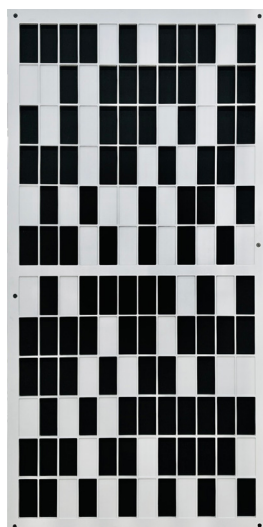


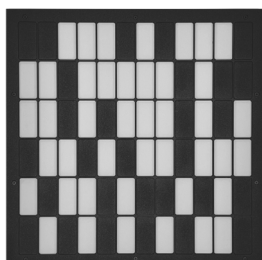
HA84W & HA44W

Hybrid Acoustic Panels



HA84W

Black foam / custom finish



HA44W

Light gray foam / standard finish

Overview

Hybrid Acoustic Panels are our series of passive, flexible acoustic panels that, when applied to an architectural space, improve the sound of a room through a proprietary design combining a number-theory diffuser with a sound absorber.

The HA84W and HA44W are optimized for treatment of large spaces, providing excellent speech-band diffusion combined with broadband sound absorption. Practically, this allows auditoriums, studios, video production spaces and conference rooms to sound natural and balanced, maintaining a sense of space and aural connectivity between participants while still controlling room reverberation.

These panels can be finished in a customer-selected exterior paint color, with light gray, black, or white open-celled foam visible in the diffuser voids. Panels come standard with a black or white painted frame and light gray foam. Mounting locations are provided for simple and fast leveling and wall mounting on various substrates.

Panel Specifications

Operating Principle

Hybrid acoustical diffuser / absorber

Construction

Class A fire-rated exterior frame with user-selectable paint color. Fire-rated light gray melamine foam core with optional color dye.

Standard Finish

Black or white paint color with scratch resistant paint. Infilled with light gray melamine foam in diffuser voids.

Finish Options

Black or white foam color
Custom frame paint color

HA44W

Dimensions (W x H x D)

47 in. x 47 in. x 4 in. (depth compatible with ADA requirements)

Weight

60 lb

Mounting points

Three (3) mounting rails with 1/4 in. continuous fastener strips for customer-supplied wall mounting hardware.

HA84W

Dimensions (W x H x D)

95 in. x 47 in. x 4 in. (depth compatible with ADA requirements)

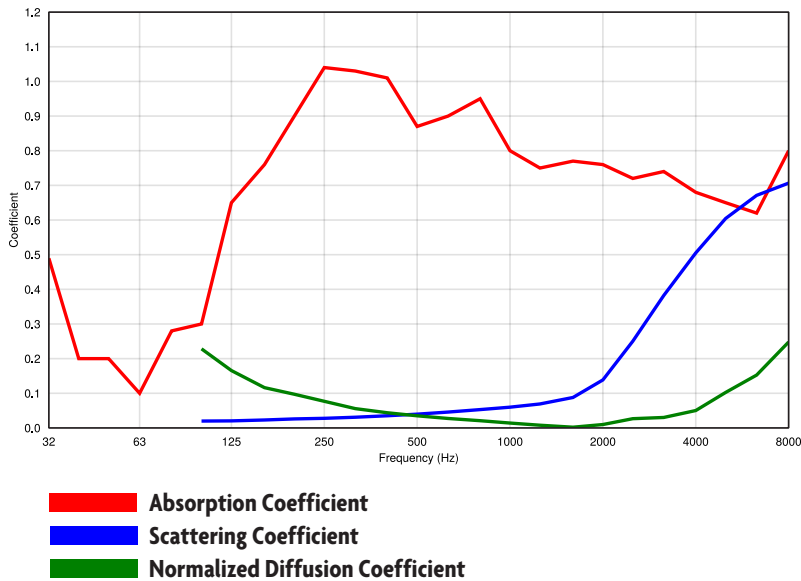
Weight

100 lb

Mounting points

Five (5) mounting rails with 1/4 in. continuous fastener strips for customer-supplied wall mounting hardware.

Acoustical Performance Data



1/3 Octave Band	Absorption Coefficient ¹	Scattering Coefficient ²	Normalized Diffusion Coefficient ³
31.5 Hz	0.51		
40 Hz	0.20		
50 Hz	0.20		
63 Hz	0.10		
80 Hz	0.28		
100 Hz	0.30	0.02	0.23
125 Hz	0.65	0.02	0.17
160 Hz	0.76	0.02	0.12
200 Hz	0.90	0.03	0.10
250 Hz	1.04	0.03	0.08
315 Hz	1.03	0.03	0.06
400 Hz	1.01	0.04	0.04
500 Hz	0.87	0.04	0.03
630 Hz	0.90	0.05	0.03
800 Hz	0.95	0.05	0.02
1000 Hz	0.80	0.06	0.01
1250 Hz	0.75	0.07	0.01
1600 Hz	0.77	0.09	0.00
2000 Hz	0.76	0.14	0.01
2500 Hz	0.72	0.25	0.03
3150 Hz	0.74	0.38	0.03
4000 Hz	0.68	0.51	0.05
5000 Hz	0.65	0.60	0.10
6300 Hz	0.62	0.67	0.15
8000 Hz	0.80	0.71	0.25

1 Sound Absorption Coefficient data measured using a modified procedure based on ASTM C423. Type A mounting.

2 Scattering Coefficient evaluated using 3D boundary element model; random-incidence cross-correlation coefficient versus reference reflector of identical size.

3 Normalized Diffusion Coefficient evaluated using 3D boundary element model; random-incidence versus reference reflector of identical size.