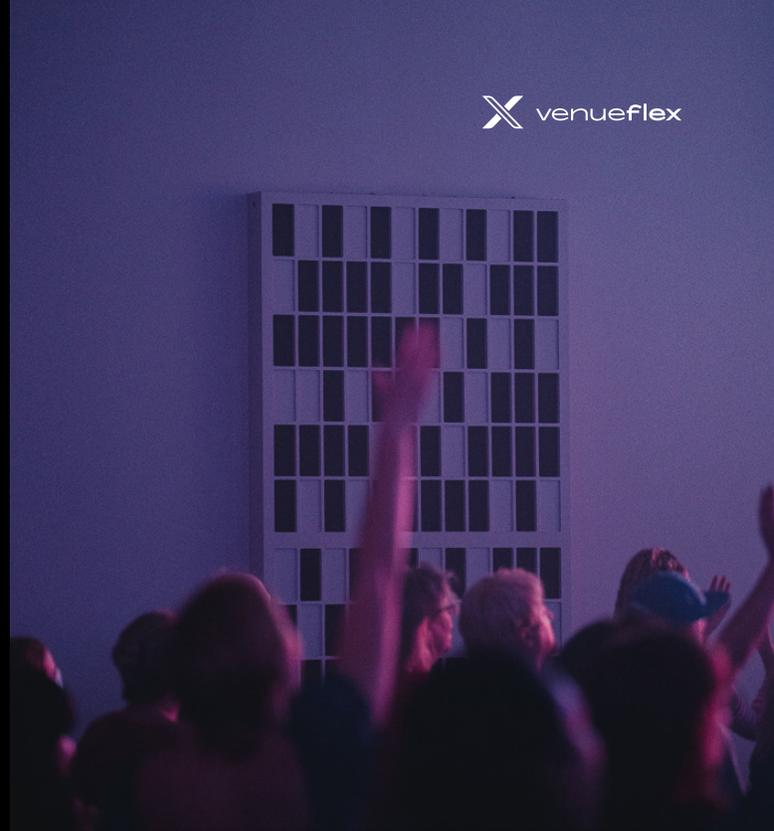


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# Definition Acoustic Panels

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The **Definition Panels** are our series of passive, flexible acoustic panels that can be applied to an architectural space to improve the sound of a room through a combination of absorption and diffusion.



## Made in North Carolina

Our panels are designed and handcrafted in our manufacturing hub to meet the exacting standards that custom solutions require. Sustainable and renewable construction materials, custom fabric selections, and unlimited paint colors are just a few features that set Venueflex Definition Panels apart.

## Custom Color Finishes

Custom paint matching and fabric selections allow our panels to be designed to fit your visual preferences and environmental aesthetic. Contact us to learn more about how we can tailor our acoustical panels to fit your needs.



“Definition allows us to have both a live, natural sound for our choir and orchestra, and a room with tight low end and clear top end for our worship band. Thinking about the acoustics and the speakers as one system brings a whole new dimension to mixing that is hard to live without once you have experienced it.”

- Alan Brown, Production Director  
Bethany First Church of the Nazarene



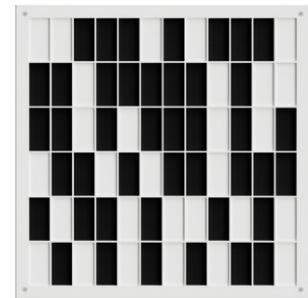
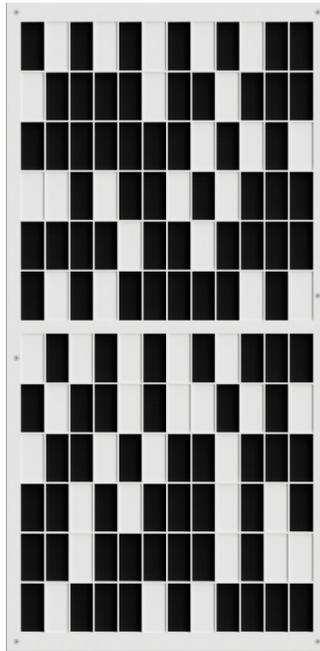
# HYBRID ACOUSTIC SERIES

## HA-84, HA-44

The HA-84 and HA-44 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 are finished in a customer-selected exterior paint color, with available standard Black open-celled foam visible in the diffuser voids.

Mounting is provided for simple and fast leveling and wall mounting on various substrates.



	HA-84	HA-44
Operating Principle	Hybrid acoustical diffuser / absorber.	
Construction	Class A fire-rated exterior frame with user-selectable paint color. Fire-rated black melamine foam core with optional color dye.	
Mounting points	Five (5) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.	Three (3) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.
Overall dimensions	HxWxD: 95 in. x 47 in. x 4 in. (depth compatible with ADA requirements).	HxWxD: 47 in. x 47 in. x 4 in. (depth compatible with ADA requirements).
Weight	100 lb.	60 lb.
Finish	Custom paint color with scratch resistant paint. Infilled with black melamine foam in diffuser voids.	
Options	Custom foam color.	

Acoustical Performance Data	Octave Band	63Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
	Sound Absorption Coefficient <sup>1</sup>		0.48	0.72	1.10	0.68	0.64	0.61	0.49

<sup>1</sup>Sound absorption coefficient data measured using a modified procedure based on ASTM C423. Type A mounting. Swept-sine impulse response measurements were acquired using a 39 m<sup>3</sup> chamber for maximum accuracy and noise rejection. Schroeder integration was used to extract the energy decay rate of the chamber.

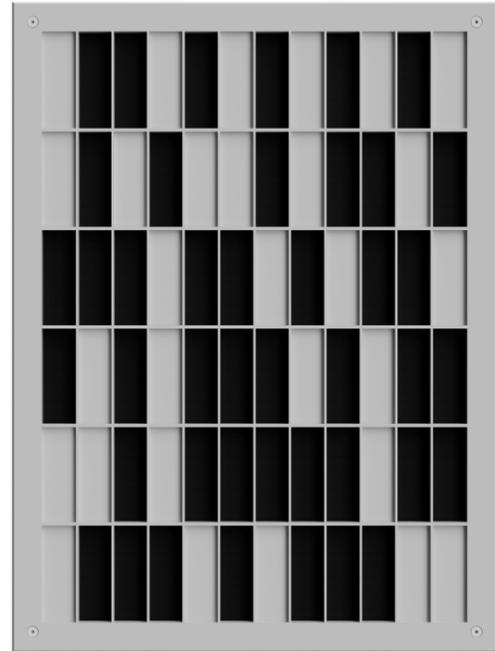
# HYBRID ACOUSTIC SERIES

## HA-43

The HA-43 is optimized for treatment of small spaces, providing excellent speech-band diffusion combined with broadband sound absorption. Practically, this allows studios, video production spaces, podcast production rooms and conference rooms to sound natural and balanced, maintaining a sense of space and aural connectivity between participants while still controlling room reverberation.

The HA-43 is finished in a customer-selected exterior paint color, with available standard Black open-celled foam visible in the diffuser voids. Custom color arrangements are available as options. Also available with a homogeneous fabric facing.

Mounting is provided for simple and fast leveling and wall mounting on various substrates.



	HA-43
Operating Principle	Hybrid acoustical diffuser / absorber.
Construction	Class A fire-rated exterior frame with user-selectable paint color. Fire-rated black melamine foam core with optional color dye.
Mounting points	Two (2) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.
Overall dimensions	HxWxD: 47 in. x 35 in. x 4 in. (depth compatible with ADA requirements).
Weight	45 lb.
Finish	Custom paint color with scratch resistant paint. Infilled with black melamine foam in diffuser voids.
Options	Custom foam color.

Acoustical Performance Data	Octave Band	63Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
	Sound Absorption Coefficient <sup>1</sup>		0.41	0.79	1.10	1.09	0.71	0.72	0.47

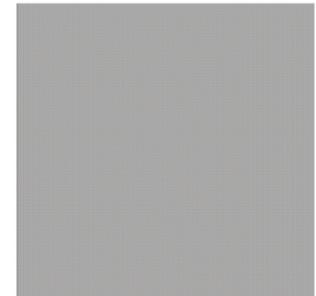
<sup>1</sup>Sound absorption coefficient data measured using a modified procedure based on ASTM C423. Type A mounting. Swept-sine impulse response measurements were acquired using a 39 m<sup>3</sup> chamber for maximum accuracy and noise rejection. Schroeder integration was used to extract the energy decay rate of the chamber.

# HYBRID ACOUSTIC FABRIC SERIES

## HAF-84, HAF-44

Identical in acoustical performance to the HA panels, the HAF-84 and HAF-44 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 are finished in a customer-selected exterior paint color with with front panel wrapped in fabric. Mounting is provided for simple and fast leveling and wall mounting on various substrates.



	HAF-84	HAF-44
Operating Principle	Hybrid acoustical diffuser / absorber.	
Construction	Class A fire-rated exterior frame with user-selectable sidewall paint color. Face panel wrapped Class A panel fabric.	
Mounting points	Five (5) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.	Three (3) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.
Overall dimensions	HxWxD: 95 in. x 47 in. x 4 in. (depth compatible with ADA requirements).	HxWxD: 47 in. x 47 in. x 4 in. (depth compatible with ADA requirements).
Weight	105 lb.	63 lb.
Finish	Custom paint color with scratch resistant paint. Infilled with black melamine foam in diffuser voids.	
Options	Custom sidewall paint color with scratch resistant paint. Face panel wrapped with Guilford of Maine™ Anchorage panel fabric.	

Acoustical Performance Data	Octave Band	63Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
	Sound Absorption Coefficient <sup>1</sup>		0.48	0.72	1.10	0.68	0.64	0.61	0.49

<sup>1</sup>Sound absorption coefficient data measured using a modified procedure based on ASTM C423. Type A mounting. Swept-sine impulse response measurements were acquired using a 39 m<sup>3</sup> chamber for maximum accuracy and noise rejection. Schroeder integration was used to extract the energy decay rate of the chamber.

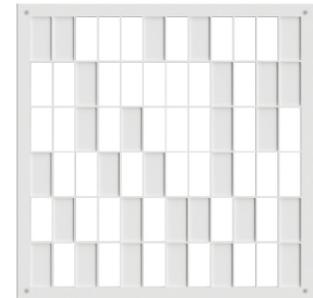
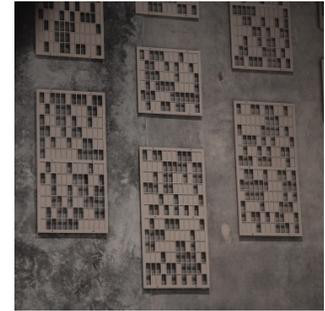
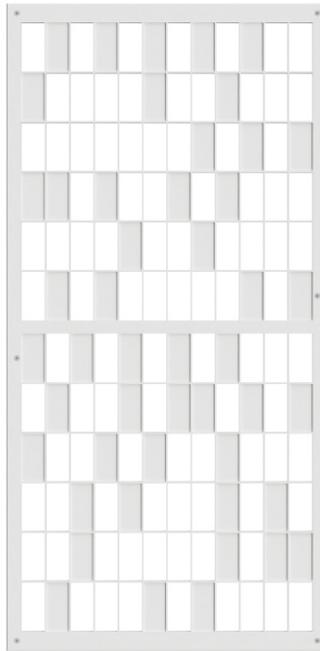
# ACOUSTIC DIFFUSION SERIES

## AD-84, AD-44

The AD-84 and AD-44 are optimized for treatment of large spaces, providing excellent speech-band diffusion without additional absorption. When used in combination with hybrid absorption, a natural, intimate sound quality can be provided in even the largest spaces.

These panels are finished in a customer-selected exterior paint color, with an included offset wall mount.

Mounting is provided for simple and fast leveling and wall mounting on various substrates.



	AD-84	AD-44
Operating Principle	Acoustical diffuser.	
Construction	Class A fire-rated exterior frame with user-selectable paint color.	
Mounting points	Black punched strut channel as wall-mount offset, for connection to wall with customer-supplied wall mounting hardware.	Black punched strut channel as wall-mount offset, for connection to wall with customer-supplied wall mounting hardware.
Overall dimensions	HxWxD: 95 in. x 47 in. x 2.4 in. (depth compatible with ADA requirements).	HxWxD: 47 in. x 47 in. x 2.4 in. (depth compatible with ADA requirements).
Weight	67 lb.	49 lb.
Finish	Custom paint color with scratch resistant paint.	

# HYBRID ACOUSTIC ORGANIC FACE SERIES

## HAO-84, HAO-44

The HAO-84 and HAO-44 are optimized for treatment of large spaces, providing 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 are finished in a customer-selected exterior paint color, with available standard Black open-celled foam visible in the diffuser voids.

Mounting is provided for simple and fast leveling and wall mounting on various substrates.



	HAO-84	HAO-44
Operating Principle	Hybrid acoustical diffuser / absorber.	
Construction	Class A fire-rated exterior frame with user-selectable paint color. Fire-rated black melamine foam core with optional color dye.	
Mounting points	Five (5) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.	Three (3) mounting rails with 1/4" continuous fastener strips for customer-supplied wall mounting hardware.
Overall dimensions	HxWxD: 95 in. x 47 in. x 4 in. (depth compatible with ADA requirements).	HxWxD: 47 in. x 47 in. x 4 in. (depth compatible with ADA requirements).
Weight	110 lb.	70 lb.
Finish	Custom paint color with scratch resistant paint. Infilled with black melamine foam in diffuser voids.	
Options	Custom foam color.	