



ACOUSTICAL PRODUCTS

1 DIMENSIONAL DIFFUSER

DESCRIPTION

Diffusers featuring deep wells provide effective diffusion in the low-frequency range but exhibit considerable limitations in the high-frequency range. The integration of a one-dimensional nested diffuser results in an expanded diffusion bandwidth, surpassing that of conventional diffusers. Consequently, this facilitates a uniform sound field across an extensive frequency spectrum. This particular diffuser ensures consistent diffusion above 400Hz. It was designed using AFMG Reflex, a simulation software grounded in the Boundary Element Method (BEM), which accurately computes the reflection, diffusion, and scattering characteristics of the diffuser surface.

TYPICAL APPLICATIONS

	Auditoriums & Assembly Halls		Bars & Restaurants
	Office Environments		Recording Studios

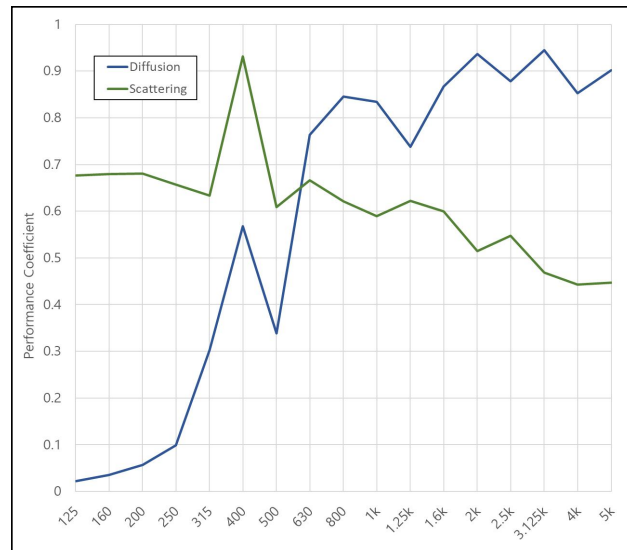
KEY ATTRIBUTES

- 01** Complete standard system from one manufacturer, including panels, suspension, clips, and edge options.
- 02** Custom options includes panel configuration, fabric selection, panel lengths, and edge detail.
- 03** Individual panels allow for modular placement and customization.

SPECIFICATIONS

Fire Rating	Class A per ASTM E-84
Sizing	Panel Size: 23.75" W x Varying Height x (9" Depth)
Tolerance	(+/- 1/16")
Customization	Offered in a wide variety of materials such as premium wood veneers, laminates, as well as painted or stained finish options.
Installation	Due to the size and depth of the diffuser, it is often recessed in the wall and mounted on blocking. Also available with an aluminum cleat mounting system.

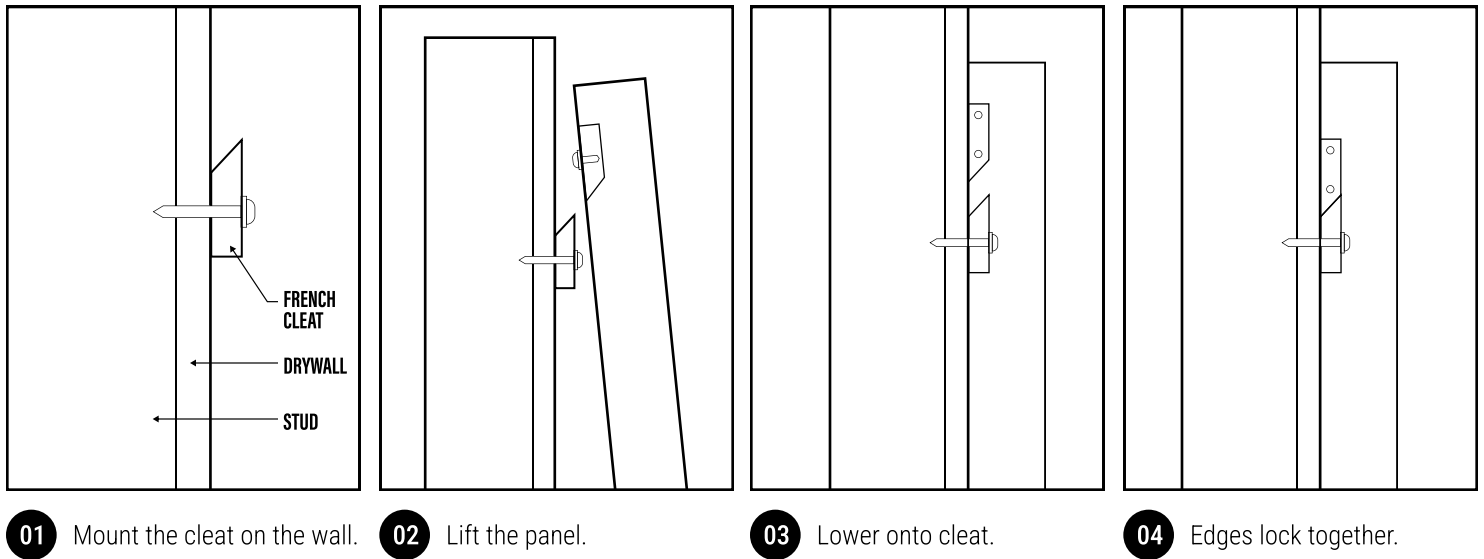
ACOUSTIC PERFORMANCE



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INSTALLATION OPTIONS

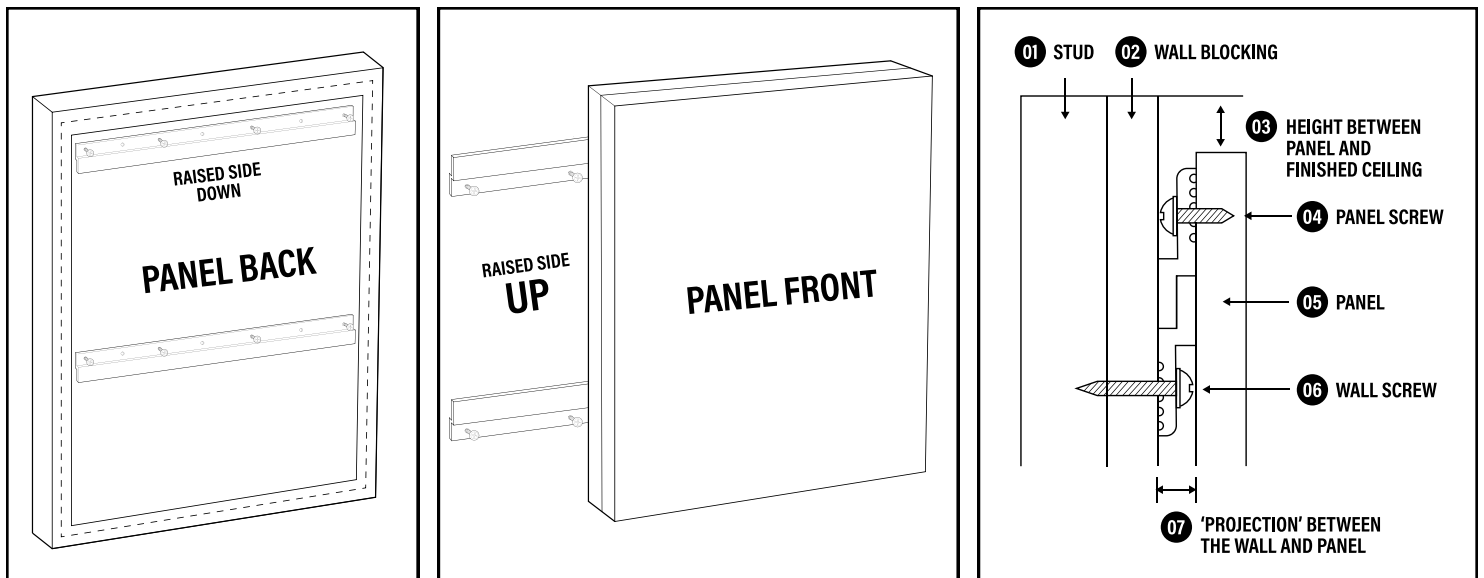


FRENCH CLEAT SYSTEM

For our wall-mounted installations, we utilize a French Cleat System. This method is highly recommended due to its exceptional stability and reliable support, ensuring secure and long-lasting installations.

The French Cleat System features a straightforward installation process, making it user-friendly for both professionals and DIY enthusiasts. Additionally, this system minimizes wall damage by reducing the number

of holes required, thus preserving the integrity and aesthetics of your wall surfaces.



Z CLIP SYSTEM

Z-clips are an alternative method for installing our wall mounted panels. The interlocking design offers strong, secure support for heavy panels with no visible hardware, resulting in a clean, professional finish.

Z-clips are attached to both the wall and the panels, ensuring easy alignment and quick installation. This method also allows for easy removal and repositioning, making it a flexible and cost-effective option.