

DIFFUSE™

DIFFUSE SIGNATURE

Acoustic Diffusion Through Design and Sophistication

DIFFUSE Signature is a modular acoustic diffusion system designed to incorporate state-of-the-art acoustic design with cutting edge architectural aesthetics. When applied on interior walls and ceilings, DIFFUSE Signature reduces auditory stress by increasing sound coherence and intelligibility.

Application: Performance spaces, auditoria, recital halls, lecture halls, band practice facilities, orchestra pits, recording studios, recording control rooms, broadcast studios, production and post-production facilities, critical listening rooms, home theaters, conference rooms, and public spaces.

Characteristics: Wide bandwidth acoustic diffusion effective from 600hz-10,000hz. As the backbone of the DIFFUSE Acoustic Array System, DIFFUSE Signature is the starting point for acoustic modularity, featuring the option to add low/high-frequency diffusion or absorption as needed.

Low absorption properties for environments where maintaining acoustical energy is necessary. Increased attenuation through the addition of materials behind panels is also possible (see acoustical data).

Finishes: Our Baltic Birch core is available in a variety of stains, paints, and veneers. EPP Foam with integrated standoffs available in white or charcoal. MDF core available with raw, vinyl, or laminate finish (FR available).



Mounting: WALL: Mount with Z-clips or with standoffs in three different lengths - 1.00, 1.75, and 2.50 inches.

CEILING: T-grid drop ceiling compatible, cable suspension, standoffs, or direct mounting to furring strips. Consult an acoustical engineer for the appropriate application.

Panel Size Options: Our Baltic birch and MDF core products are available in 2' x 2', 2' x 4', 4' x 4' and 4' x 8' standard sizes with custom sizes available. EPP foam products are available in 2' x 2' and 2' x 4' sizes only.

Fire and Environmental: All MDF materials are available with Class A fire rating. All wood products are sustainably sourced and FSC Certified. LEED v4 credit and pilot credit qualified.

Acoustical Data: Extensive acoustical test data is available through our website, including diffusion/scattering tests in agreement with ISO 17947-2 and a variety of absorption tests under ASTM C-423. Additional testing data including attenuation balloons, polar response, spectral decay and impulse response available upon request.

Stainless Steel standoffs in various lengths.

