

perfect wave™

Curvilinear & Flat Diffuser-Reflector Acoustical Panels

Acoustical Performance (Absorption Coefficients)

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
AcousTech wave™	.01	.01	.01	.01	.02	.02	0.0

AVL Systems wave™ Diffuser - Reflector Panels

- For Ceiling and Wall Installations
- Standard Finish: White, Optional Colors and Finishes Available
- Thickness: 1/2" FRP faced core, 1-1/2" overall"
- Sizes (Nominal): 48" x 96"
- Special Sizes & Curvature: Available upon request
- Shapes: Sinusoidal
- Weight: 2.5-3 lb per square foot, typical
- Fire Performance Rating: Class A, standard finish, Class B, C Ratings Optional
- Installation: Mechanical factory points as specified
- Optional Sound Absorption: Concealed Back-Mounted AcousTech™ Core



Description

The AVL Systems wave™ Diffuser-Reflective Acoustical Panel is a decorative acoustical product designed to redirect sound spatially while maintaining desirable reverberation. Early reflections provided by wave™ add musical clarity, intimacy and connection with the stage performance. Standard construction includes our proprietary, internal dampening GeoMatrix core that prevents resonances which color sound and tone. wave™ Diffuser-Reflective Acoustical Panels are sinusoidal shapes as specified and can incorporate aperiodic modulation for increased performance. Panels may be installed individually or as an array or canopy. Different shapes and curvatures are available to provide elements of diffusion and longitudinal back-scattering of sound energy along with aesthetic design opportunities. Canopied arrays can also be grouped to allow aperiodic modulation and can be design orientated for binary sequences.

Applications

wave™ Diffuser-Reflective Acoustical Panels are the ideal decorative ceiling panels for areas where sound must be reflected without absorption or conversion of energy. They are suitable for new construction and renovation for spaces such as auditoriums, music rehearsal rooms, performing centers, worship spaces, lecture halls, schools, or any area where acoustics, aesthetics, and value are a consideration.

Interactive System Performance

The AcousTech™ family of interactive performance products is designed to provide the acoustical engineer and specifier with a complete "toolbox" of technically compatible products for any application. These engineered products can be used individually or as an interactive system, working together to optimally enhance the interior design, functionality, and acoustics of the architectural space. AVL Systems, Inc. is pleased to offer a full range of standard and custom architectural acoustic products for virtually every application and technical requirement.

Finishes

Standard finish is a durable white gelcoat that is ready to install, or can be field painted if specified. Optional gelcoat colors, wood, texture laminates, or fabrics from AVL Systems' standard fabrics selection and Designers selection/ C.O.M. give many finish options.

Warranty

AVL Systems Limited Warranty extends for TWO FULL YEARS from the original date of shipment. AVL Systems literature, presentations and published data are correct to the best of our knowledge at time of publication. AVL Systems, Inc. reserves the right to change or amend any of the products or the information presented or published without liability or notice.



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