

# AcousTech™ High-Impact High Performance - Abuse Resistant Acoustical Wall & Ceiling Panels



**AVL AcousTech™ Sound Absorption Products** are extremely effective wall and ceiling panel treatments for the control of excessive reverberation and echoes that interfere with the intended use of interior spaces. AVL Systems' custom manufactured AcousTech™ panel cores are designed to provide the highest levels of sound absorption, product strength and rigidity, indoor air health quality, and purchase value.

## AVL Systems' GreenSafe™ Technologies

AcousTech™ Products are manufactured from naturally occurring and/ or recycled materials using rapidly-renewable raw materials and bio-based technology. The recycle content of AVL products exceeds the EPA Recovered Material Guideline for pre-consumer and post-consumer materials. All products are inert, non-combustible, do not support mold or mildew, and are dimensionally stable with hard, framed edges. Eligibility for LEED Credits is available with this product.

## Features

- Highest Sound Absorption Efficiency & Performance
- Dual-Density Core Engineered for Exceptional Low Frequency Absorption and Added Benefit of High Impact Resistance
- Abuse Resistant and Extremely Durable
- Wide Selection of Standard Colors, Textures & Finishes
- Custom-Printed Digital Imaging Available
- Tackable Face
- Easy to Install with Fully-Concealed Mounting Hardware Included
- Edge Profile Options Include Square, Bevel, Radius, Miter
- Standard and Custom Sizes
- Fire Performance Class 1/A, UL 723 and ASTM E-84
- Indoor Air Quality (IAQ) and Low VOC Meets GREENGUARD Children & Schools Certification and California Title 24
- LEED Credit Eligibility With Installation of These Products



**79% Total Recycled Content**  
43% post-consumer recycled,  
balance (36%) pre-consumer recycled

AVL Systems' products and technologies are aligned with the highest social consciousness and environmental standards for green, earth friendly, sustainable practices.



## Applications

Suitable for new walls and ceilings in new construction and renovation of interior spaces. Applications include auditoriums, worship space, sanctuaries, convention and conference centers, schools, music and performance space, cinemas, home theaters, offices, public buildings, or any area where acoustics, aesthetics and value are a consideration.



**AVL Systems, Inc.**

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# AcousTech™ High-Impact High Performance - Abuse Resistant Acoustical Wall & Ceiling Panels

## AcousTech™ High Performance, Abuse Resistant - High Impact Wall & Ceiling Panels

are a decorative, high-performance, sound absorption product for interior spaces. At its core is an engineered, dual component substrate that is manufactured from naturally occurring and/or recycled materials using rapidly-renewable raw materials and bio-based technology. It will not support mold or mildew, is inert, non-combustible, dimensionally stable with solid edges that will not warp or separate. Panels may be installed individually as an accent of color and shape, or together as a grouping. Standard or client-specified facings are factory applied to the face, sides and back-returned to provide a finished product with fully-tailored edges and corners. AcousTech™ panels are manufactured to any size specified and come with totally concealed mounting hardware. If changes should occur during installation, alterations are easily performed in the field by the installer.

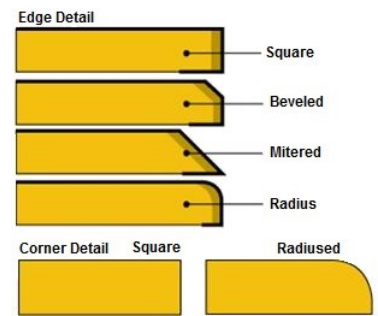


## Interactive Product Performance

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 acoustical products for virtually every application and technical requirement.

## Technical Features & Information

- Lightweight Systems for Ceiling & Wall Installations
- Decorative Fabric Facings or Designer Selection/ C.O.M.
- Core: Facing: 1/8" 16-18 lb./cu. ft. high density fiberglass  
Backing: 6-7 lb./cu. ft. fiberglass
- Thickness: 1-1/8", 1-5/8", 2-1/8", 3-1/8", 4-1/8"
- Sizes (+/- 1/16" nominal): Any Size Up To 48" x 120"
- Special Sizes: Available Upon Request
- Edge Profile: Square, Bevel, Radius, Miter
- Fasteners: Z-Clip, Impaling, Velcro, Magnet
- Fire Performance: Class 1/A, UL 723 / ASTM E-84
- Indoor Air Quality (IAQ) and Low VOC Meets GREEN-GUARD Children & Schools Certification and California Title 24
- LEED Credit Eligibility with Installation of these Products



## Acoustical Performance - Absorption Coefficients

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
ATP 1.1 1- 1/8" Panel	0.19	0.54	0.97	1.1	1.13	1.42	0.95
ATP 1.6 1-5/8" Panel	0.36	0.78	1.13	1.1	1.15	1.39	1.05
ATP 2.1 2-1/8" Panel	0.54	1.01	1.16	1.11	1.19	1.59	1.1
ATP 3.1 3-1/8" Panel	0.94	1	1.14	1.21	1.2	1.47	1.15
ATP 4.1 4-1/8" Panel	1.04	1.11	1.16	1.2	1.19	1.59	1.15

## Warranty

AVL Systems' *Limited Warranty* extends for ONE FULL YEAR 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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