



## KEY FEATURES

- Provides Single-Dimension Mid-High Frequency Diffusion for Control of Flutter Echo Without Deadening the Room
- Furniture-Grade Wood Acoustical Moldings for Ceiling & Walls
- Factory Applied Finishes to Standard or Customer-Specified Wood Species
- Custom Stain Options Available to Coordinate with Designer's Color Palette
- Helmholtz Mounting Option for Added Low-Frequency Absorption
- Type-LFA (Optional) has Rear Reliefs Engineered to Provide Additional Absorption Below the Frequency Range of the Diffuser Cut-Off Frequency
- Solid Core Materials to Prevent Resonances & Resist Damage
- FSC Certified Materials Available
- Up to 10 LEED Credits May Apply With Installation of These Products

\*Schools EQ Prerequisite 3 & Credit 9, MR 4.1 & 4.2, MR 5.1 & 5.2, IEQ 4.1 & 4.2 • Innovation in Design (ID)\*

## WARRANTY

AVL Systems' *Limited Warranty* extends for ONE FULL YEAR from original date of shipment.

\* Standard materials have dimensional and weight variations. Calculations are approximate and represent material averages to the best of our knowledge.

## TECHNICAL FEATURES

- **Core:** Manufactured Hardwood Plank
- **Thickness (Nominal):** 1" (102 mm)
- **Sizes (Nominal):** 4" x 96" for Most Wood Species
- **Standard Hardwood Options:** Maple, Cherry, Oak, Poplar
- **Finish:** Natural, Stain, Lacquer, Paint, Custom
- **Installation Methods:** Nail, Screw, Adhesive, As Required
- **FSC Certifications:** FSC Mix, FSC 100%
- **Fire Performance:** Class A

## ACOUSTICAL DATA

Acoustical Performance—Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	8K
Absorption Coefficients, Type A Mount	0.04	0.05	0.06	0.08	0.09	0.04	0.05

  

Acoustical Performance - Diffusion Coefficients							
Frequency (Hz)	1K	2K	4K	8K	12.5K	16K	MEAN
Diffusion Coefficients, AES-4id-2001	0.63	0.67	0.78	0.74	0.73	0.74	0.72

  

Acoustical Performance - Type LFA - Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Absorption Coefficients (AcousTech™ 1" Fiberglass Core Back-Mounted)	0.12	0.39	1.09	0.66	0.41	0.51	0.65

