

**PRIME7™ NATURAL**

## KEY FEATURES

- Quadratic Residue Prime7™ Periodic Reflection Phase Grate Diffuser
- One-Dimensional Diffusion with Wide-Range Scattering
- Two-Dimensional Diffusion & Sound Scattering Can Be Achieved by Grouping Installed Products in an Altering Pattern Array
- Sequence Same for All Diffuser Sizes
- Wood Veneer, Laminates and Custom Finish Facings
- Custom Veneers Available to Coordinate with Designer's Color Palette
- FSC Certified Materials Available
- Prime7™ Ceiling Diffuser's Precise Tolerances & Mono-Block Construction Insures No Resonances, Rattles or Sympathetic Vibration Will Be Caused or Heard, and High STC Ratings are Achieved
- 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)\*

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

## TECHNICAL FEATURES

- **Thickness (Nominal):** 9"
- **Sizes (Nominal):** 2'x2', 2'x4', 4'x4'
- **Facing:** Wood Veneer, Laminates and Custom Finish Facings
- **Finish:** Natural, Stain, Lacquer, Paint, Custom
- **Installation Methods:** Cleat Mount for Wall Installations
- **Weight:** 6.2 Lbs/ Square Foot
- **FSC Certifications:** FSC Mix, FSC 100%
- **Fire Performance:** Class A

## ACOUSTICAL DATA

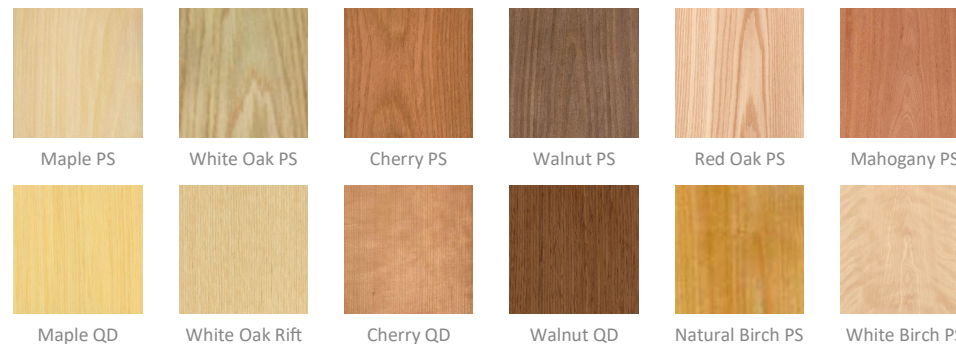
Acoustical Performance - Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Absorption Coefficients Type A Mounting	0.20	0.22	0.38	0.25	0.21	0.19	0.25

Acoustical Performance - Sound Diffusion & Scattering							
Frequency (Hz)	125	250	500	1K	2K	4K	8K
Diffusion Coefficients	0.19	0.21	0.44	0.46	0.48	0.43	0.35
Scattering Coefficients	0.04	0.24	0.85	0.66	0.86	0.90	0.93

## AVAILABLE WOOD VENEER OFFERINGS

(Other Wood Species and Slicing Options Available)



## WARRANTY

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