



PRIME7™

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
- Designed for Ceiling & Wall Installations
- Matte White Painted Finish Provides Excellent Light Reflectivity
- Custom Color Finishes 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
- Optional Decorative Fabric Facings from Guilford of Maine or Designer Selections from Maharam, Carnegie, DesignTex, Knoll, & More!

TECHNICAL FEATURES

- **Thickness (Nominal):** 4"
- **Sizes (Nominal):** 2'x2', 2'x4', 4'x4'
- **Edge Profile:** Square or Tegalur
- **Finish:** Matte White Painted Finish
Optional Colors and Fabric Facings Available
- **Installation Methods:** Tilt & Place in Standard T-Bar Grid Systems, Cleat Mount for Wall Installations
- **Weight:** 1.1 Lbs/ Square Foot (Same As Commercial Ceiling Tile)
- **Fire Performance:** Class A

ACOUSTICAL DATA

Acoustical Performance - Absorption Coefficients							
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Absorption Coefficients Type E-400 Mounting	0.48	0.40	0.38	0.33	0.19	0.19	0.30

Acoustical Performance - Sound Diffusion & Scattering							
Frequency (Hz)	125	250	500	1K	2K	4K	8K
Diffusion Coefficients	0.04	0.10	0.60	0.58	0.46	0.47	0.27
Scattering Coefficients	0.01	0.03	0.33	0.75	0.90	0.88	0.77

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.