



Product Description

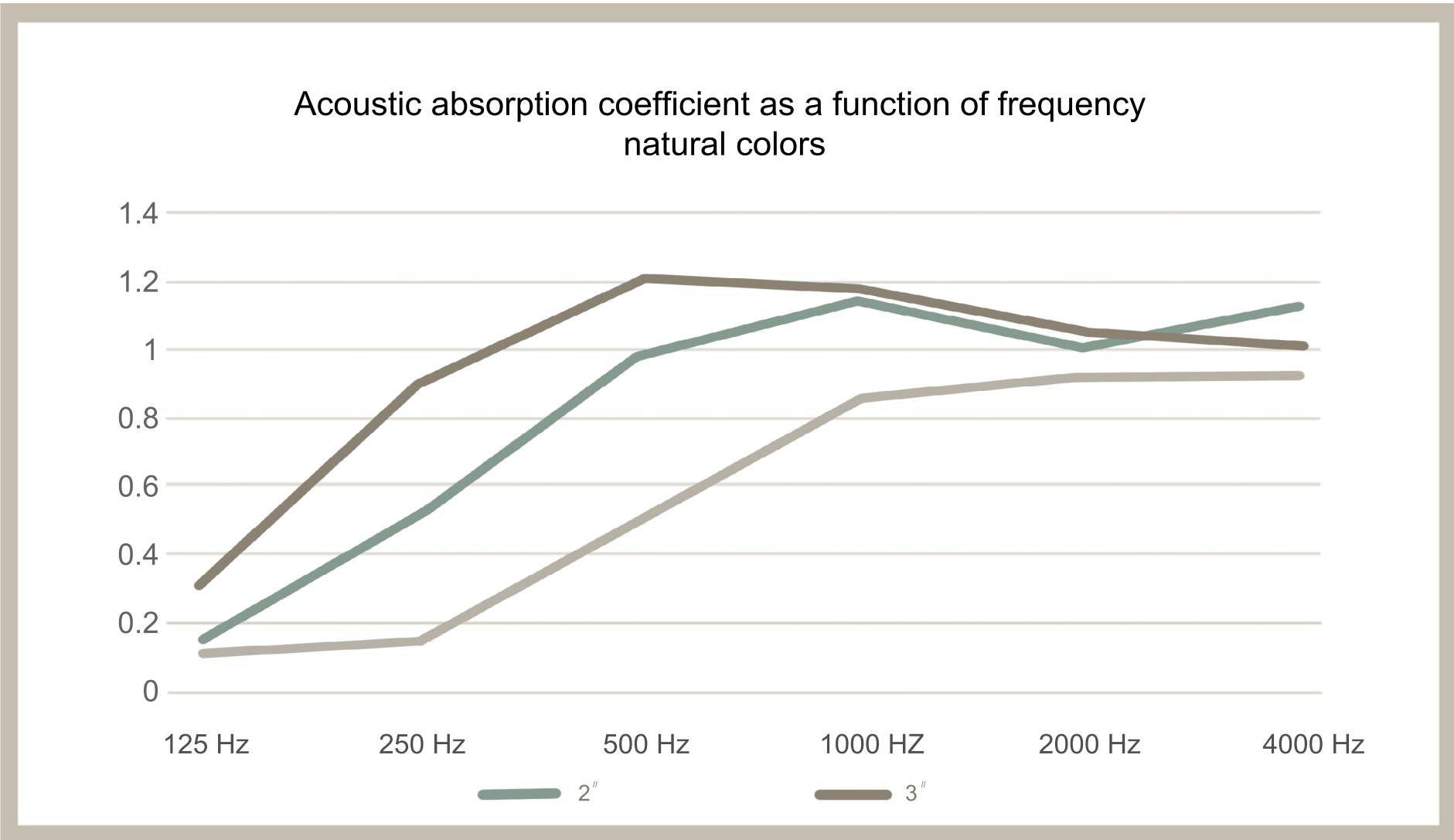
ALPHA-Bas Baffles are high-performance acoustic solutions manufactured from melamine foam. They deliver excellent sound absorption and effective reverberation control while maintaining a clean, contemporary appearance. Lightweight and durable, they are well suited for applications such as offices, classrooms, studios, auditoriums, swimming pools, gymnasiums, and other institutional or commercial spaces where acoustic comfort and fire performance are essential.

Sound Absorption Coefficients

Tested per ASTM C423 – Type A Mounting

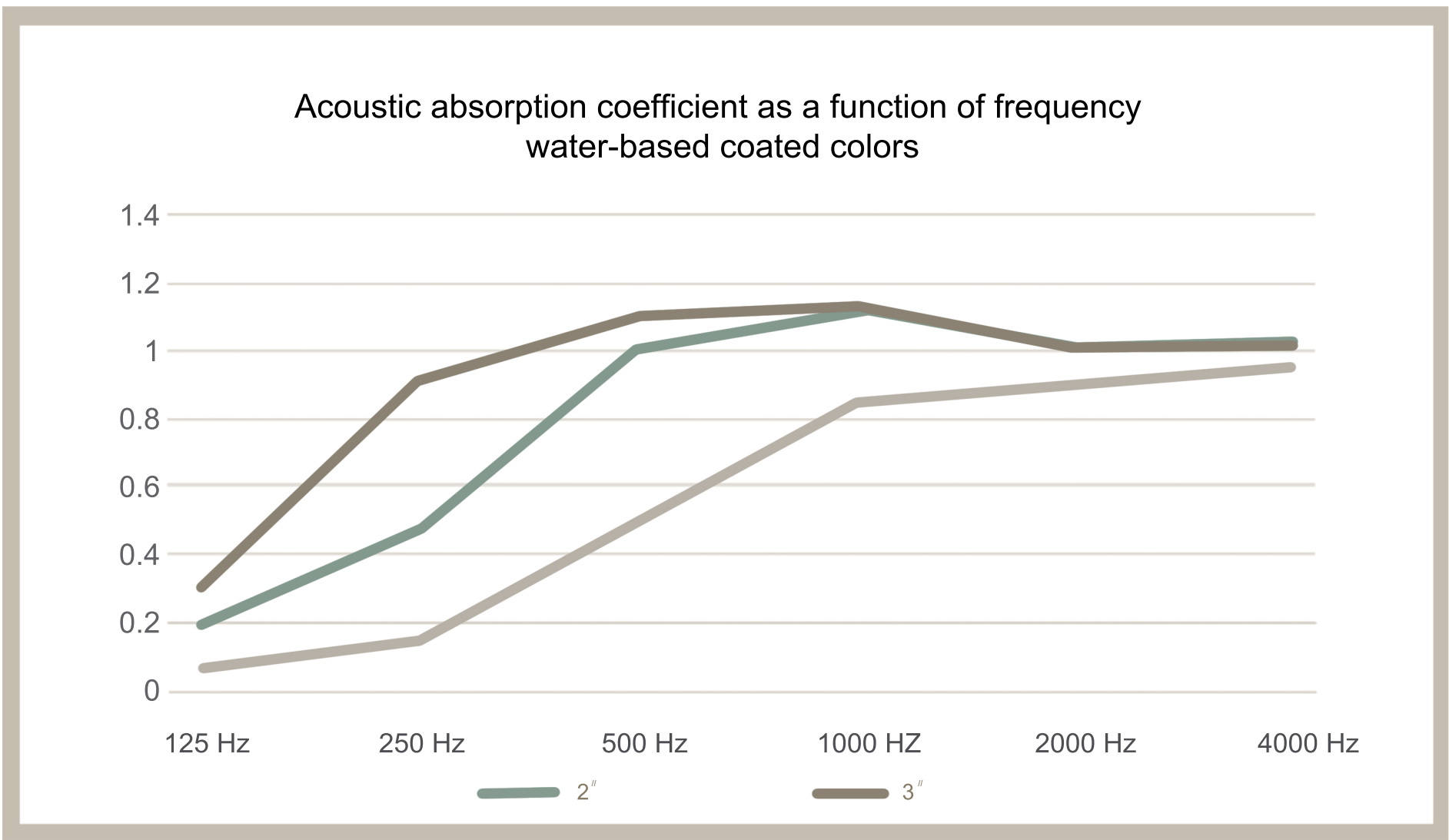
Natural colors

Thickness	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	NRC
1 in	0.11	0.15	0.50	0.84	0.92	0.93	0.60
2 in	0.15	0.52	0.98	1.13	1.00	1.11	0.90
3 in	0.31	0.89	1.20	1.17	1.03	1.01	1.05



Water-based coated colors

Thickness	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	NRC
1 in	0.08	0.16	0.53	0.86	0.92	0.98	0.60
2 in	0.21	0.50	1.03	1.14	1.04	1.05	0.95
3 in	0.32	0.93	1.12	1.15	1.03	1.03	1.10



Fire Resistance:

ALPHA-Bas Baffles offer high performance in reaction to fire:
ASTM E84 (Surface Burning Characteristics of Building Materials): Classified as Class A, with a flame-spread index ≤ 25 and a smoke-developed index ≤ 50 , ensuring excellent resistance to flame propagation and limited smoke production.
CAN/ULC-S102 (Canadian Method of Fire and Smoke Spread Testing): Classified as Class A, with a flame-spread index ≤ 25 and a smoke-developed index ≤ 50 , confirming compliance with North American fire safety requirements.

LEED® Contribution

ALPHA-Bas Baffles contribute to the sustainability criteria of LEED v4/v4.1. Manufactured from a fiberglass core with recycled content and wrapped in low-VOC acoustic fabric, they support healthy indoor air quality and meet acoustic performance requirements for occupant comfort. Their durable design, compliant with environmental standards, makes them suitable for projects seeking green certification.

Specifications

- Made from smooth, natural light grey or white open-cell, expanded melamine foam
- Density: 0.5 to 0.7 lbs./cu. ft.
- Finish: White and light grey natural colors and Water-based coated colors in all RAL color options
- Thicknesses: standard 1", 2", 3" (custom thicknesses available)
- Maximum dimensions: Various square and rectangular shapes up to 48 x 96 inches (1219 to 2438 mm) as well as circular, triangular, trapezoidal, and custom
- Mounting options: Twist springs and cables, C-channel, and custom installation systems available.
- Long-Term Service Temperature: 302°F (150°C)
- Fungus Resistance: Rating 0 per ASTM G21
- Microbial Growth: UL 181, section 11

Handling and Storage :

Store panels flat in a well-ventilated area. Protect them from humidity and direct sunlight, and avoid resting them on their edges.

Cleaning :

Clean panels with a soft brush or vacuum. For spills, use a non-toxic mild soap with warm water, then blot with a clean cloth without applying excessive pressure.