



ACOUSTIC PANELS

Acoustic Store presents Acoustic Panels — high-performance panels designed to elevate sound quality by reducing noise and echo. Crafted with quality and functionality, these panels are ideal for any environment where sound clarity and acoustic control are essential.

SOUND ABSORPTION COEFFICIENTS

Frequency (Hz)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1" Thickness	0.30	0.55	0.75	0.85	0.90	0.88
2" Thickness	0.35	0.60	0.85	0.95	0.98	0.90



Applications

Home Theaters: Enhance audio clarity and reduce background noise.

Offices: Minimize noise for better focus and productivity.

Studios: Ideal for recording with precise sound isolation.

Conference Rooms: Reduce echoes for clearer communication.

Hospitality: Create a calm atmosphere by minimizing noise.

Residential Spaces: Improve sound quality with added style.

PRODUCT SPECIFICATIONS

Attribute	Details
Product Name	Acoustic Panels
Facing Fabric Colors	Wide range of standard colors; custom colors available
Fire Rating	Class A (in-house tested for optimal safety)
Available Sizes	2' x 4', 4' x 4', 4' x 8'; custom sizes available
Acoustic Properties	NRC 0.75 - 1.15 (varies with thickness and mounting)
Edges	Concealed and hardened
Edge Finishes	Square
Mounting Type	Type J
Installation Options	Adhesives, suspension kit, aluminum channels, etc.
Core Material	96 kg/m ³ fiberglass insulation with tissue facing
Available Thickness	1" (25mm), 2" (50mm); custom thicknesses available

Physical Properties

Property	Details
Dimensions	2' x 4', 4' x 4', 4' x 8'
Thickness	1" or 2"
Weight per Panel	1.5 kg/m ² (1" thickness), 3.0 kg/m ² (2" thickness)
Material	High-density acoustic foam
Fire Resistance	Class A fire-rated (optional version)
Moisture Resistance	Water-resistant, suitable for humid environments
Durability	Designed for long-term use
Sound Absorption	NRC up to 0.95 for optimal noise reduction

BENEFITS

Superior Sound Absorption: Reduces noise and echoes effectively.

Flexible Design: Fits diverse styles with various color and size options.

Durable Quality: Built to last with high-density fiberglass insulation.

Easy Installation: Compatible with adhesives, suspension kits, and aluminum channels.

Versatile Applications: Ideal for home theaters, offices, studios, and residential spaces.