



ALPHASONIX α

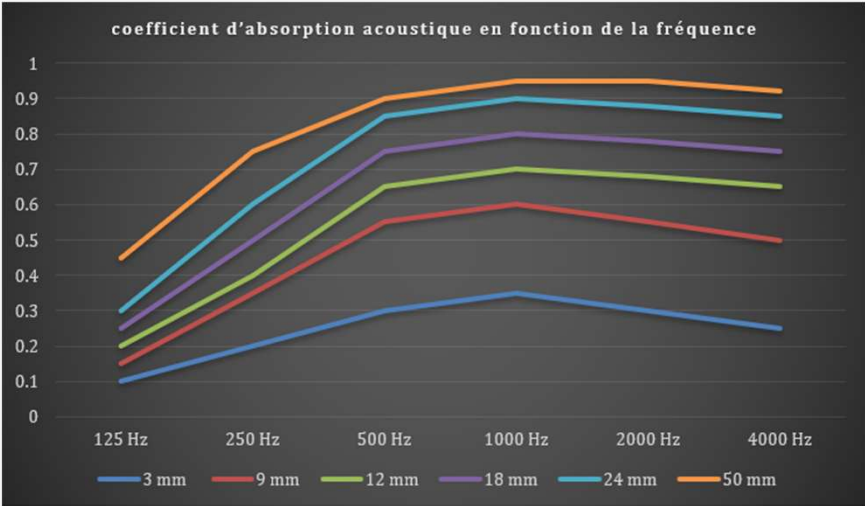
ALPHA-P.E.T Panels

ALPHA-P.E.T IS THE NATIONAL LEADER IN PROVIDING ARCHITECTURAL FELT PANELS FOR ARCHITECTS, CONTRACTORS, DESIGNERS, AND INSTALLERS. THANKS TO ITS SOUNDPROOFING, ACOUSTIC DAMPING, AND AESTHETIC PROPERTIES, WOOL FELT IS AN EXCELLENT SOLUTION FOR ARCHITECTURAL APPLICATIONS. THESE PANELS OFFER EFFICIENT SOUND ABSORPTION AND REDUCED REVERBERATION TIME.

Acoustic Performance

Acoustic performance chart as per ASTM C423(by thickness):

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
3 mm	0.10	0.20	0.30	0.35	0.30	0.25	0.25
9 mm	0.15	0.35	0.55	0.60	0.55	0.50	0.60
12 mm	0.20	0.40	0.65	0.70	0.68	0.65	0.70
18 mm	0.25	0.50	0.75	0.80	0.78	0.75	0.80
24 mm	0.30	0.60	0.85	0.90	0.88	0.85	0.90
50 mm	0.45	0.75	0.90	0.95	0.95	0.92	0.95



Fire Resistance:

ALPHA-P.E.T panels 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 Flame Spread and Smoke Development 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-P.E.T acoustic panels contribute to the sustainability criteria of the LEED v4/v4.1 rating system. Made from recycled-content PET fibers and finished with low-VOC fabrics, they support indoor air quality and meet acoustic performance requirements for occupant comfort. Their durable design and compliance with environmental standards make them a suitable solution for projects pursuing green building certification.

Specifications:

Core Material: The core material of P.E.T. (Polyethylene Terephthalate) acoustic felt panels is a rigid felt made from recycled fibers, primarily sourced from post-consumer plastic bottles. This eco-friendly and durable material is lightweight, dimensionally stable, and provides excellent sound absorption properties.

Recycled Content: 60% post-consumer recycled content, 100% recyclable.

Thicknesses: 3 mm, 9 mm, 12 mm, 18 mm, 24 mm, 50 mm (custom thicknesses available).

Maximum Dimensions: Up to 48" (width) × 120" (height) – custom sizes available.

Edge Types: Straight or 45° beveled edges – other edge profiles available upon request.

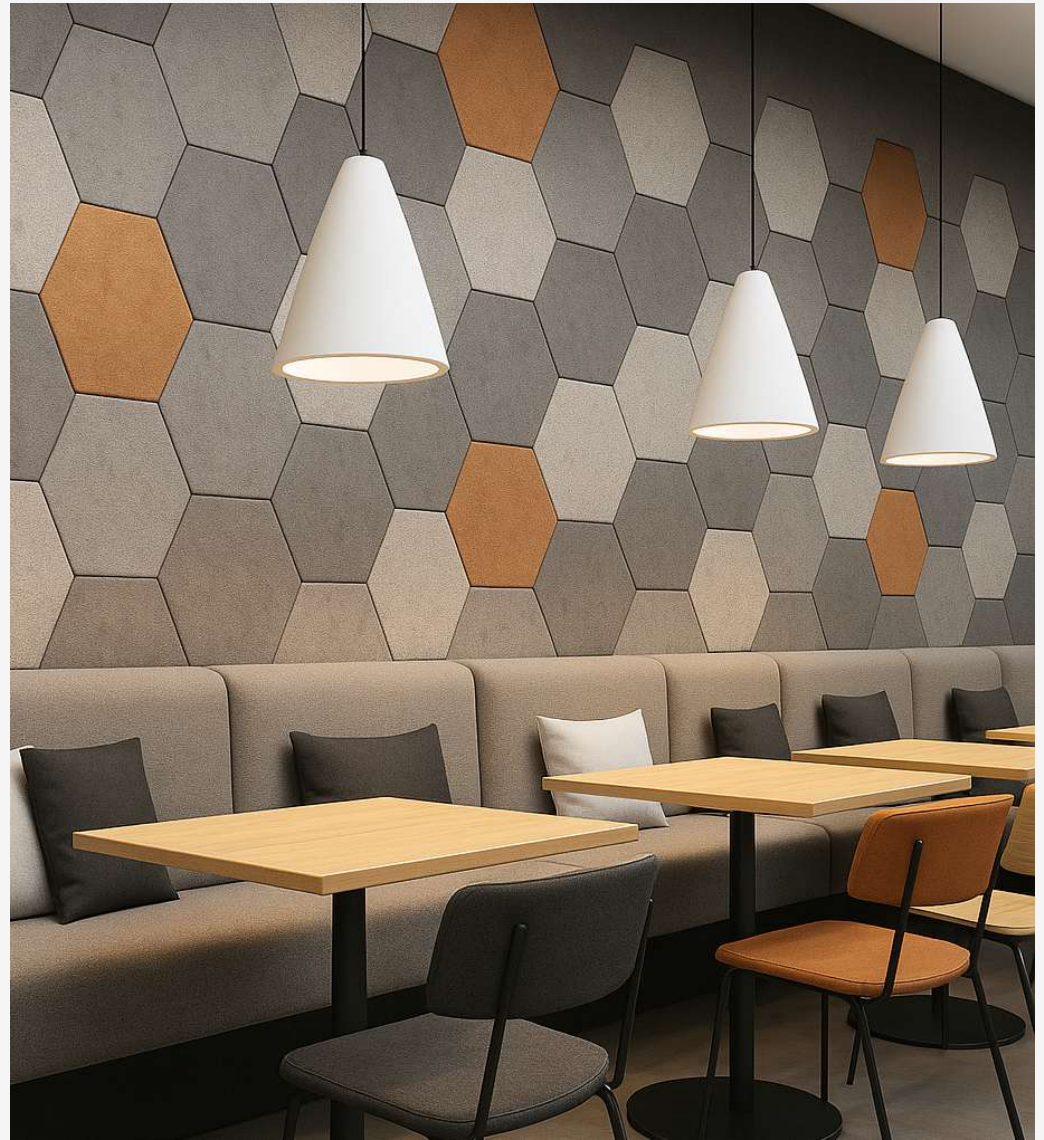
Mounting Methods: Z-clips, adhesives, Roto-Fast, washer plates, and custom mounting systems available.

Handling and Maintenance

Handle with care to avoid bending, chipping, or damaging the surfaces. Store panels flat in their original packaging in a dry, well-ventilated area. Allow panels to acclimate prior to installation. Protect them from moisture, excessive heat, and direct sunlight.

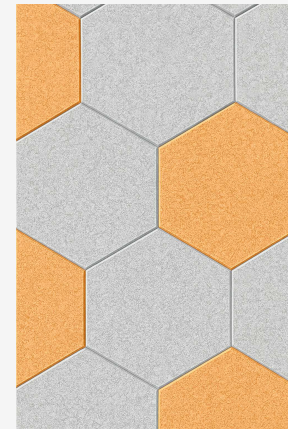
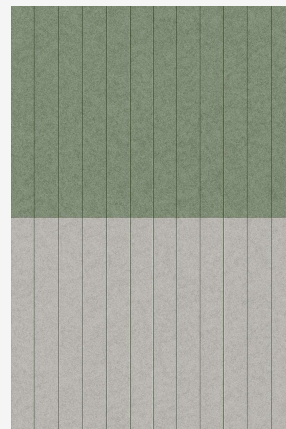
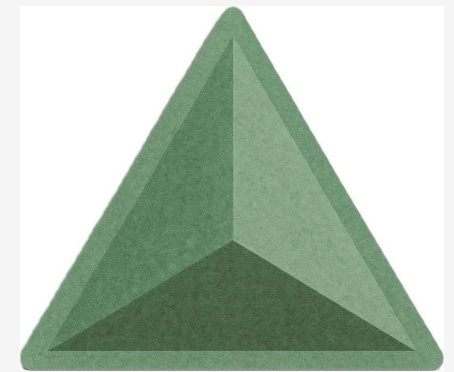
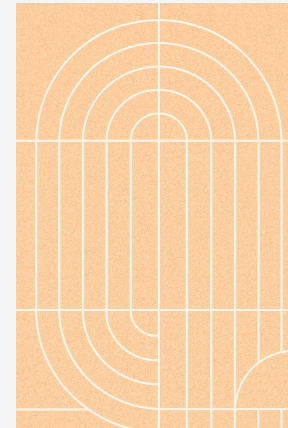
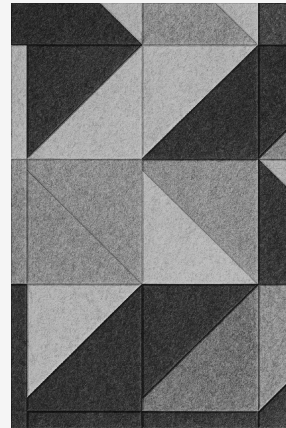
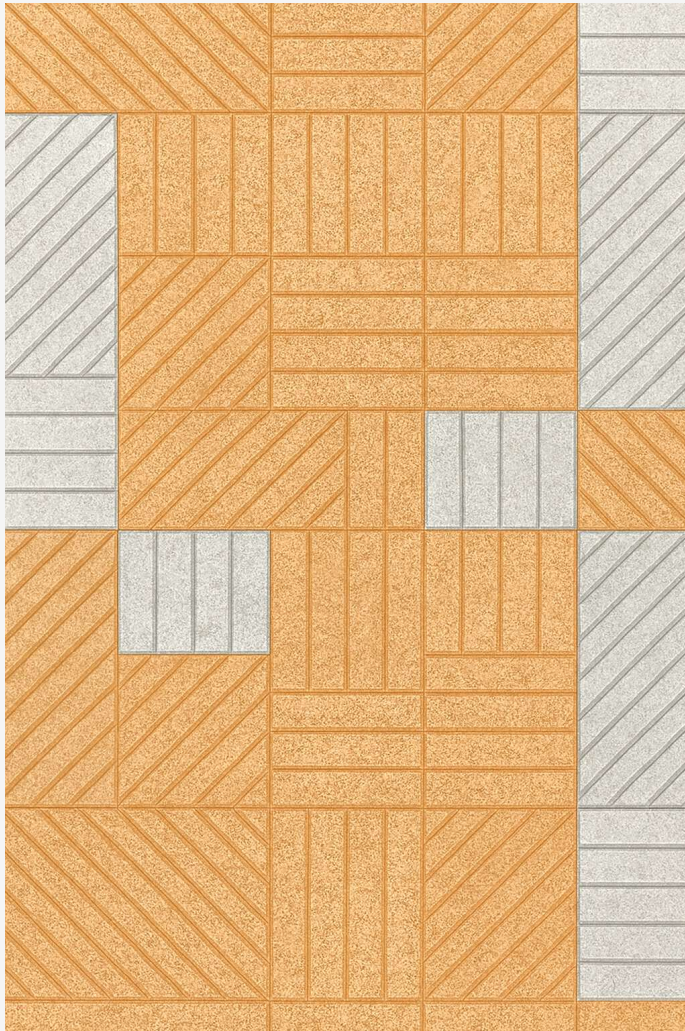
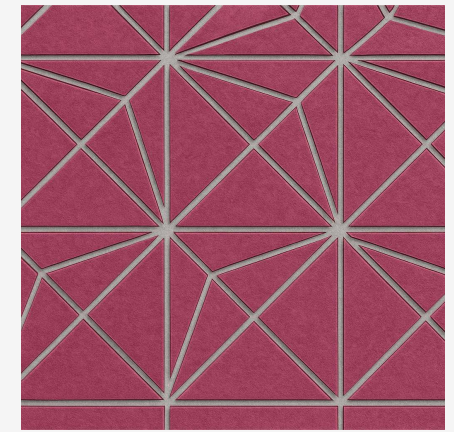
Cleaning

Use a soft brush or light vacuuming to remove dust. For spills, use lukewarm water and a mild non-toxic soap. Always test on an inconspicuous area before cleaning the entire surface. Blot dry with a clean cloth after application.



Design Examples:

Thanks to our advanced manufacturing equipment, our company is proud to produce all types of wall and ceiling panels — whether flat or in 3D formats. Here are a few examples of our work. To bring your ideas and designs to life, **do not hesitate to contact us**



Color Selection

With 46 colors available, you will find the perfect match for your application!

