ALPHASONIX

ALPHA-Euro Panels

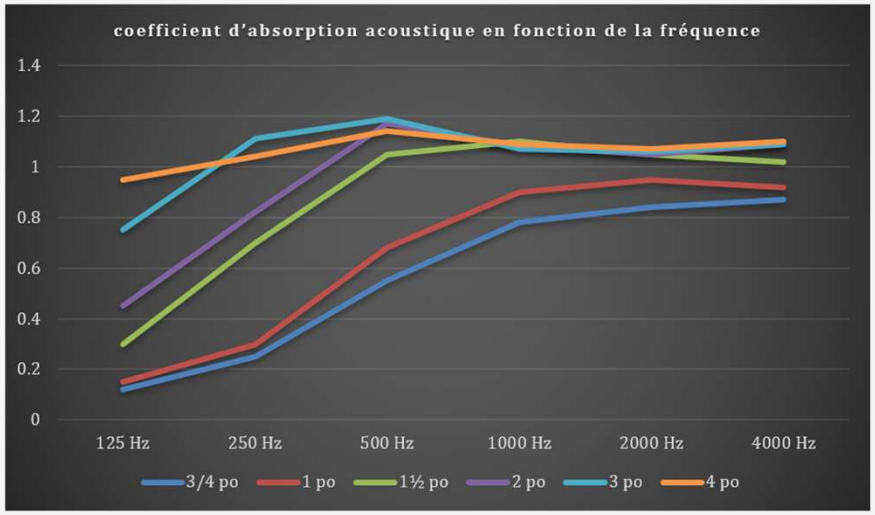
ALPHA-EURO ACOUSTIC PANELS ARE HIGH-PERFORMANCE WALL & CEILING-MOUNTED ACOUSTIC PANELS DESIGNED TO PROVIDE EXCELLENT SOUND ABSORPTION AND EFFECTIVE REVERBERATION CONTROL. THEY ARE IDEAL FOR CINEMAS, STUDIOS, EDUCATIONAL FACILITIES, OFFICES, AND OTHER ACOUSTICALLY DEMANDING ENVIRONMENTS.ALPHA-EURO ACOUSTIC PANELS DELIVER BOTH FUNCTIONAL ACOUSTIC TREATMENT AND ARCHITECTURAL ENHANCEMENT. THEIR CLEAN LINES AND REFINED FINISH ENSURE SEAMLESS INTEGRATION INTO MODERN INTERIOR DESIGNS WHILE SIGNIFICANTLY IMPROVING SPEECH INTELLIGIBILITY AND OVERALL ACOUSTIC COMFORT.THESE PANELS COMBINE AESTHETIC VERSATILITY WITH RELIABLE ACOUSTIC PERFORMANCE, MAKING THEM SUITABLE FOR COMMERCIAL, INSTITUTIONAL, AND RECREATIONAL APPLICATIONS WHERE DURABILITY AND SOUND CONTROL ARE ESSENTIAL.

Tel: (514) 447-9081 E-mail: Info@alphaSonix.ca www.alphaSonix.ca

Sound Absorption Coefficients

Tested per ASTM C423 – Type A Mounting

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
3/4 in	0.12	0.25	0.55	0.78	0.84	0.87	**0.7**
1 in	0.15	0.3	0.68	0.9	0.95	0.92	**0.85**
1½ in	0.3	0.7	1.05	1.1	1.05	1.02	**1.05**
2 in	0.45	0.82	1.17	1.08	1.05	1.09	**1.1**
3 in	0.75	1.11	1.19	1.07	1.06	1.09	**1.2**
4 in	0.95	1.04	1.14	1.09	1.07	1.1	**1.2**



Fire Resistance:

ALPHA-GLASS panels demonstrate high fire reaction performance:
ASTM E84 (Surface BurningCharacteristics of Building Materials): rated Class A, with a flame spread index ≤ 25 and a smoke developed index ≤ 50, ensuring excellent resistance to fire spread and limited smoke production.
CAN/ULC-S102 (Canadian Method for Determination of Flame Spread and Smoke Development): rated Class A, with a flame spread index ≤ 25 and a smoke developed index ≤ 50, confirming compliance with fire safety requirements in effect in North America.

LEED® Contribution

ALPHA-Euro acoustic panels contribute to the sustainability criteria of the LEED v4/v4.1 system. Made from recycled-content fiberglass and covered with low-VOC emission fabrics, they promote indoor air quality and meet acoustic performance requirements for occupant comfort. Their sustainable design, compliant with environmental standards, makes them a suitable solution for projects seeking green certification.

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Specifications:

Core Material: high-density fiberglass (6–7 PCF) with chemically hardened edges (aluminum-reinforced edges available upon request).

Finish: fire-retardant fabric covering with high light reflectance (87%).

Color : standard white or any RAL color.

Thicknesses: standard 1" and 2" (other thicknesses available: ¾", 1½", 3", 4").

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

Edge Types: straight or 45° beveled – other profiles available upon request.

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

HANDLING AND STORAGE:

Handle products with care to avoid bending, chipping edges, or denting faces. Store products in their original packaging in a well-ventilated area until the intended application environment is ready for installation. Allow products to acclimate to environmental conditions. Lay products flat on their faces; do not stand them upright on their edges. Protect from moisture, heat, and direct sunlight.

CLEANING:

Lightly brush or gently vacuum to remove dust. Clean with warm water and a mild, non-toxic soap to remove spills. Test the solution on an inconspicuous area before applying to more visible areas. Blot with a dry cloth after applying the solution to avoid saturating the material. Avoid applying excessive pressure when cleaning the products.