



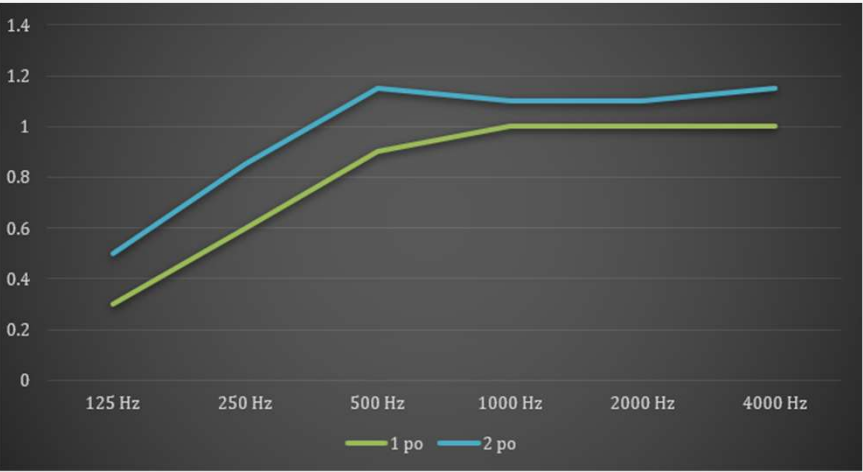
Acoustic Panels ALPHA-Euro Baffles & Clouds

ALPHA-EURO BAFFLES & CLOUDS ARE HIGH-PERFORMANCE SUSPENDED ACOUSTIC PANELS DESIGNED FOR EXCELLENT SOUND ABSORPTION AND REVERBERATION CONTROL. WITH VERTICAL OR HORIZONTAL SUSPENSION, THEY ARE IDEAL FOR CINEMAS, STUDIOS, GYMNASIUMS, AND OTHER REVERBERANT ENVIRONMENTS. THEIR DESIGN ENSURES BOTH AESTHETIC AND ACOUSTIC PERFORMANCE.

Sound Absorption Coefficients

Tested per ASTM C423 – Type A Mounting

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1 in	0.30	0.60	0.90	1.00	1.00	1.00	0.85
2 in	0.50	0.85	1.15	1.10	1.10	1.15	1.15

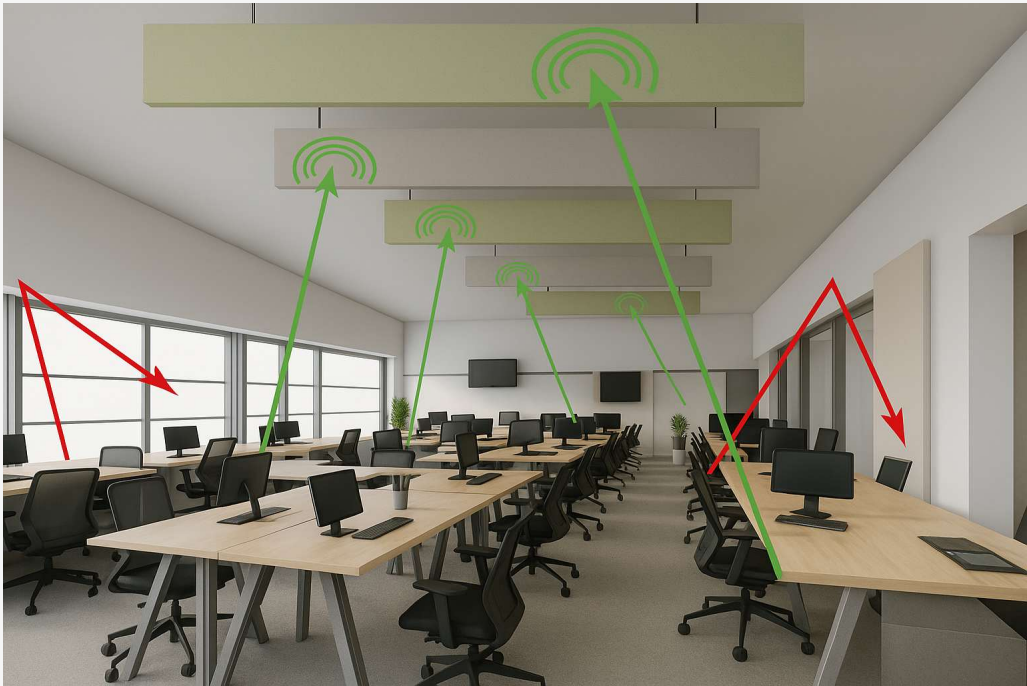


Sound Absorption Sabins per Unit

Panel Size (ft²)	Thickness	NRC	Sabins per Panel
16 ft² (4' x 4')	1 in	0.85	13.6
32 ft² (4' x 8')	1 in	0.85	27.2
16 ft² (4' x 4')	2 in	1.15	18.4
32 ft² (4' x 8')	2 in	1.15	36.8

Fire Resistance:

ALPHA-GLASS panels demonstrate high fire reaction performance:
ASTM E84 (Surface Burning Characteristics 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 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 durable design, compliant with environmental standards, makes them a suitable solution for projects seeking green certification.

Specifications:

Base Material : Fiberglass with fire-retardant fabric film and high light reflectance (87%)

Finish : Standard white or any custom color from the RAL range



Thicknesses : standard 1" and 2" (other thicknesses available upon request)

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

Edge Types : square or 45° beveled – other edge types available upon request

Shapes : Rectangular, Square, Circular, Hexagonal, Triangular, Oval, Custom Shapes

Mounting Methods

Installing acoustic baffles and clouds using **Twist Spring** and **suspension cable** is an efficient and flexible method providing secure and adjustable ceiling mounting. Here is a detailed description of the process:

1. Site Preparation

- Review plans and acoustic panel placement locations.
- Identify ceiling attachment points (concrete slab, metal structure, suspended framework, etc.).
- Prepare necessary tools and materials (Twist Spring, cables, fasteners, hangers, etc.).

2. Suspension Cable Installation

- Secure ceiling anchors (hooks, anchors, or rails depending on existing support).
- Install height-adjustable suspension cables to ensure precise positioning of baffles or clouds.
- Verify cable tension and alignment.

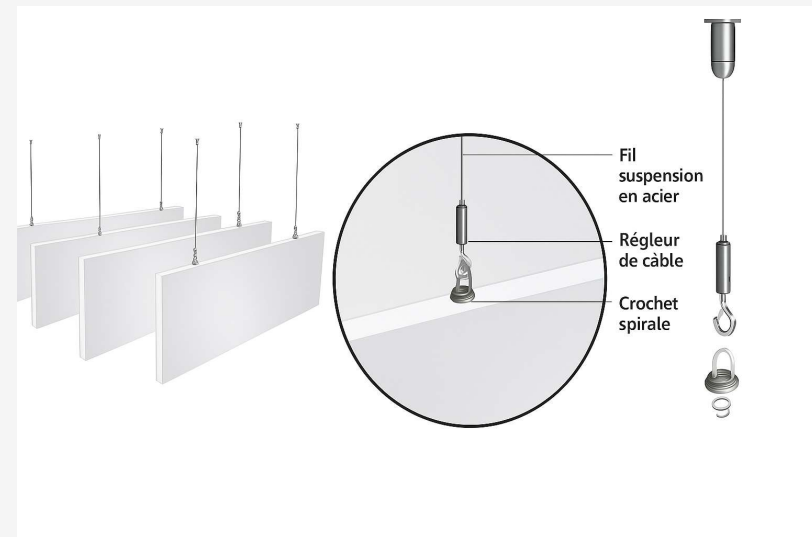
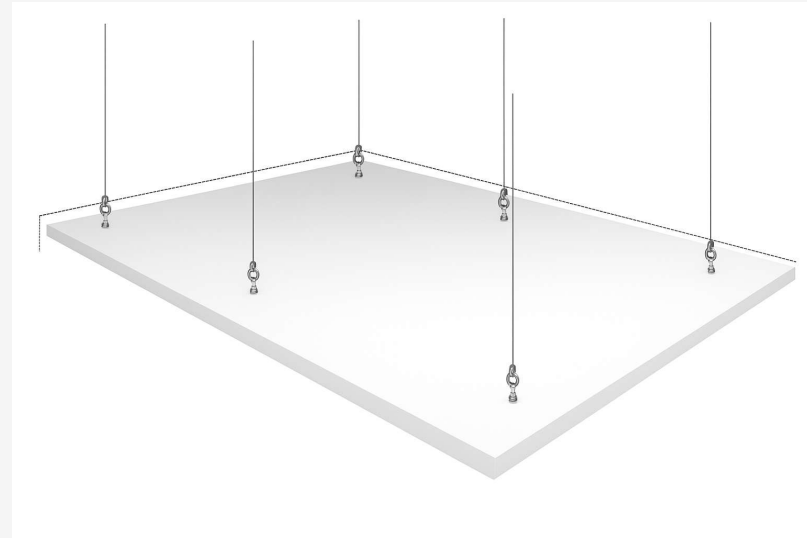
3. Attaching Baffles or Clouds with Twist Spring

- Each acoustic panel comes pre-equipped with clips compatible with the **Twist Spring** system.
- Insert the **Twist Springs** into the designated slots on the panel.
- Connect the **Twist Springs** to suspension cables using hooks or cable clamps.
- Adjust height and orientation to ensure uniform alignment and optimal acoustic efficiency.

4. Inspections and Adjustments

- Ensure panel stability and safety after installation.
- Verify spacing between elements for uniform acoustic distribution.
- Perform a visual and structural inspection before final approval.

This type of installation provides great flexibility in terms of height and orientation, while ensuring effective acoustic absorption and an aesthetic design suited to professional and architectural environments.



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 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 products.

