

ALPHASONIX^α



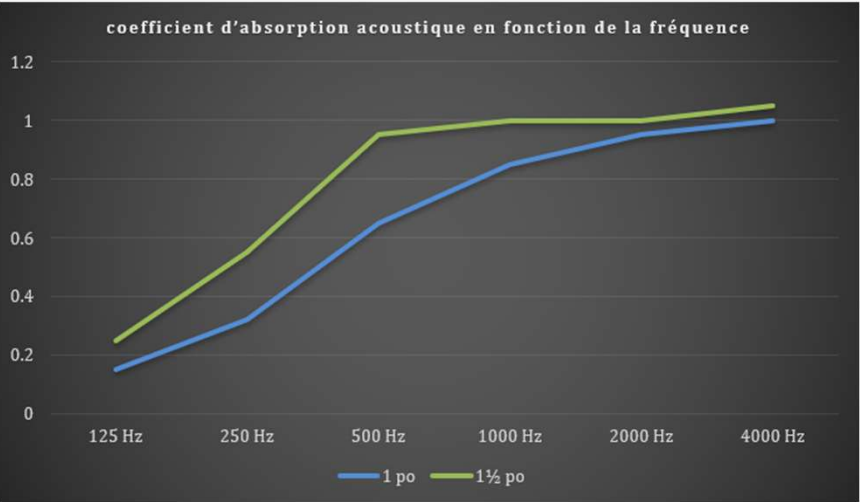
ALPHA-TEC^{wool} acoustic panels

ALPHA-TECWOOL WOOD WOOL ACOUSTIC PANEL IS AN ECO-FRIENDLY AND RECYCLABLE MATERIAL MADE FROM WOOD WOOL, CEMENT, AND WATER. THESE NATURAL COMPONENTS TOGETHER PROVIDE NUMEROUS FUNCTIONAL CHARACTERISTICS. ALPHA-TECWOOL WOOD WOOL PANELS ARE AVAILABLE IN VARIOUS PATTERNS, ALL DESIGNED TO BE COMBINED ENDLESSLY.

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	0.15	0.32	0.65	0.85	0.95	1.00	0.75
1½ in	0.25	0.55	0.95	1.00	1.00	1.05	0.95



Fire Resistance:

ALPHA-TECwool 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 fire spread resistance 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-TECwool acoustic panels contribute to the sustainability criteria of the LEED v4/v4.1 system. Made with recycled-content glass fibers and coated 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.

Specifications:

Base Material: Cement-bonded wood fiber, FSC certified.

Finish: Factory-applied latex paint on impact-resistant silicate surface coating (RAL range). The natural finish is unpainted and may appear lighter. Edges are painted; however, the fibrous texture may cause appearance to vary depending on lighting. Panels can be repainted up to 6 times without affecting acoustic performance or fire resistance.

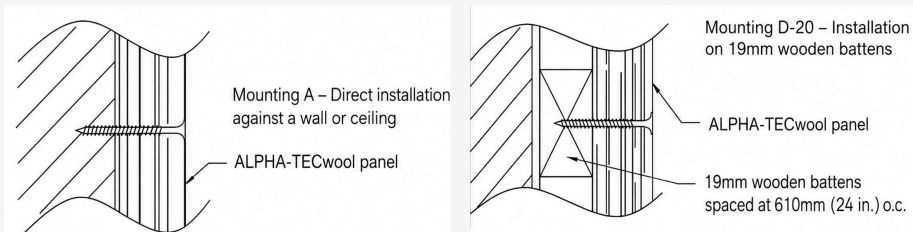


Thicknesses: standard 1" and 1½" (custom thicknesses available).

Maximum Dimensions: up to 48" (width) × 96" (height) – custom sizes available

Edge Types: square or 45° beveled

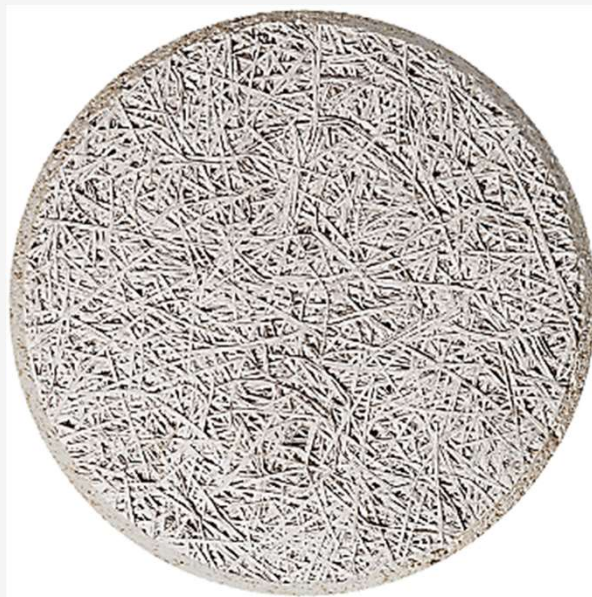
Mounting Methods : ALPHA-TECwool panels can be installed directly onto nailing substrates, on interior walls or ceilings, using appropriate mechanical screws. This system provides a solid, durable installation that meets acoustic and impact resistance requirements.

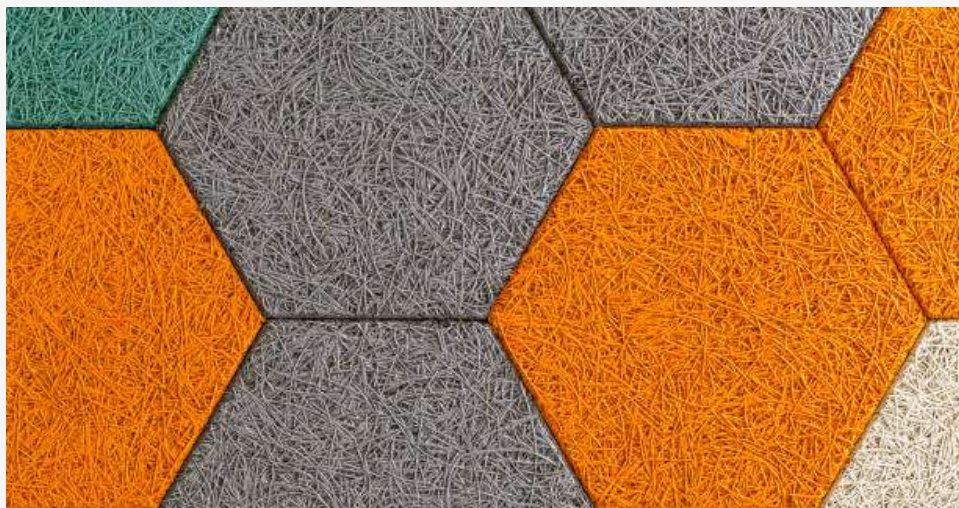


Design Examples:

With our state-of-the-art machinery, our company is proud to produce all types of wall and ceiling panels, whether flat or in 3D format.

Here are some examples of our achievements. To bring your ideas to life and realize your designs, **don't hesitate to contact us.**





Handling and Storage:

Handle panels with care to avoid impacts, damaged corners, or cracks.

Always carry panels vertically with two people.

Do not slide panels against each other to avoid damaging the finish.

Store panels on a flat, clean, and dry surface, protected from moisture and dust.

Protect products from water, condensation, and direct sunlight before installation.

Keep panels in their original packaging until installation.

Before installation, allow panels to acclimatize for 24 to 48 hours to site conditions (temperature: 15–29 °C / 60–85 °F; relative humidity: 10–70%).

Cleaning:

ALPHA-TECwool panels require minimal maintenance under normal indoor conditions.

Regular dusting: use a soft brush, dry cloth, or vacuum cleaner with a soft nozzle.

For light stains, clean with a cloth slightly dampened with clean water or mild detergent.

Do not use solvents, abrasive products, steam cleaners, or pressurized water.

Avoid excess moisture during cleaning.

For painted panels, repainting with low-pressure latex spray paint is possible without affecting acoustic properties.