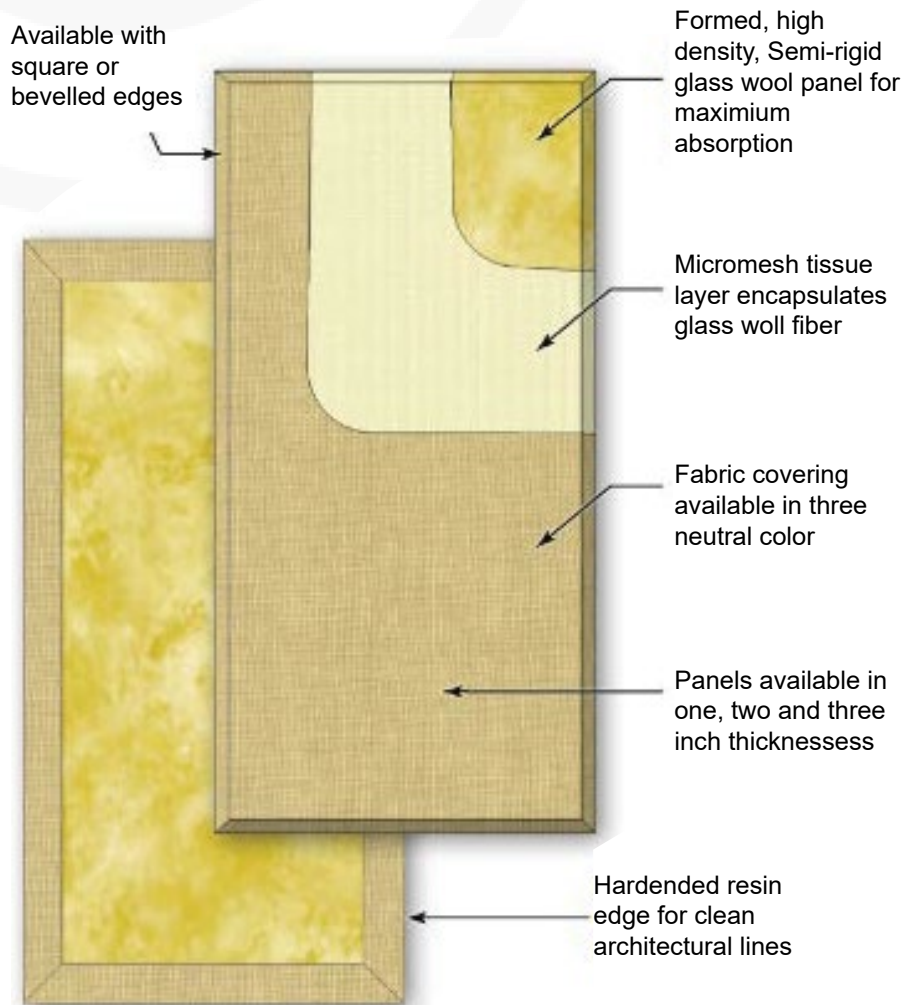


INDUSTRIAL & COMMERCIAL NOISE CONTROL SOLUTIONS

Acoustic Panels Specifications

DATASHEETS



Acoustic panels are constructed of high density 6lb per cubic foot (96 kg/m^3) glass wool with resin hardened edges. This process works in tandem with the micromesh to fully encapsulate the glass wool to eliminate fibers from escaping. Panels are then covered in an acoustically transparent fabric in a choice of three colors for an architecturally attractive appearance.

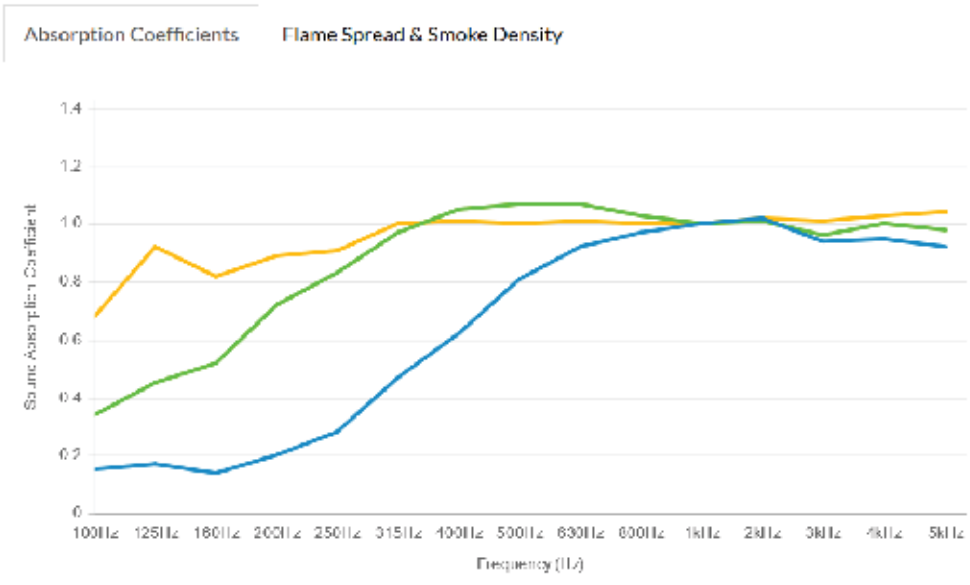
Various mounting options are offered including impalers for wall mounting and Cloud Anchors™ for suspending panels from ceilings. These are designed to make installation easy and cost effective.

To address safety concerns, Acoustic panels have been tested to meet stringent Class-A/1 fire ratings making them suitable for use in residential, commercial and industrial spaces. Acoustic Wall panels are offered in a variety sizes, thickness and shapes to meet various acoustical requirements.

| | |
|-----------------------------|--|
| Core Material | Formed, semi rigid inorganic glass fibers |
| Density | 6.0 lbs. per cubic foot (96 kg/m ³) |
| Fabric Facing | Acoustically transparent polyester tweed |
| Encapsulation | Micromesh on front and rear surface, resin treated edges |
| Absorption H ₂ O | 2% by weight @ 120°F (49°C), 95% relative humidity |
| Temperature | -20°F ~ 150°F (-29°C ~ 66°C) |
| Fire Rating | Class-A/1 (ASTM E 84 / CAN/UL-S102) |
| Mounting | Galvanized steel impalers *not included |
| NRC | 1": 0.71, 2": 0.89, 3": 0.98 |



LEED certification provides independent, third-party verification that a building, home or community was designed and built using strategies aimed at achieving high performance in key areas of human and environmental health.



What size is best for you?

- 1" Panel
- 2" Panel
- 3" Panel

1" 2" 3"

The 1" panel is designed to absorb frequencies in the speech range and higher. These panels are great for boardrooms and classrooms where the only sound created is from human voices. The efficiency of the panel's absorption starts to drop off below 250hz.

| Frequency - HZ | 100Hz | 125Hz | 160Hz | 200Hz | 250Hz | 315Hz | 400Hz | 500Hz | 630Hz | 800Hz | 1kHz | 2kHz | 3kHz | 4kHz | 5kHz |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1" Panel | 0.15 | 0.17 | 0.14 | 0.20 | 0.28 | 0.47 | 0.62 | 0.81 | 0.92 | 0.97 | 1.00 | 1.02 | 0.94 | 0.95 | 0.92 |
| 2" Panel | 0.34 | 0.45 | 0.52 | 0.72 | 0.83 | 0.97 | 1.05 | 1.07 | 1.07 | 1.03 | 1.00 | 1.01 | 0.96 | 1.00 | 0.98 |
| 3" Panel | 0.68 | 0.92 | 0.82 | 0.89 | 0.91 | 1.00 | 1.01 | 1.00 | 1.01 | 1.00 | 1.00 | 1.02 | 1.01 | 1.03 | 1.04 |

Testing performed by Riverbank Acoustical Laboratories. The test method conformed explicitly with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method: ASTM C 423 02a and E 995 05.