



APPLICATION

Overtone Acoustic Panels are all purpose acoustical wall and ceiling panels designed for use where sound absorption and value are the main criteria. These panels are suitable for auditoriums, theaters, offices and libraries: anywhere noise control is needed and critical lighting and high abuse resistance are not factors.

CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF glass-wool insulation, housed inside of a chemically hardened edge frame. Finishes are adhered to the panel in a gallery wrap fashion, for a full finished edge.

SIZE AVAILABILITY

Available thicknesses are 1", 2", and 4". Standard maximum size is 2' x 4' with maximum standard thickness at 4". However, we do offer custom sizing through our Overtone Custom Shop.

EDGE DETAIL

All edges come square as standard. Available choices include: Square, and beveled corners.

FINISHES

Overtone offers a wide variety of fabrics and colors as standard finishes from major brands, including Guilford, Knoll-Textile, and more. Non-standard fabrics from these, or other major brands can be chosen, incurring a custom finishing fee.

MOUNTING

Standard mounting includes Impaling Clips, Z-Clips & Z-Bars for wall hanging, and hook & loop for ceiling applications.

ACOUSTICAL PERFORMANCE

Our products are consistently modified to achieve their maximum acoustical performance while providing aesthetics desired in their applications. Panels are available in a variety of thicknesses and sizes for applications such as, spot treatment to full acoustical control.

Please consult with your sales representative for assistance in determining the proper panels and their acoustical specifications, for your application.

Sound Absorption Coefficients

The R-Value is resistivity to heat or cold, and is an important factor in choosing a finish.

Thickness (inches)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1	0.08	0.33	0.78	1.03	1.02	1.04	0.80
1.5	0.17	0.62	1.00	1.05	1.01	1.01	0.90
2	0.32	0.81	1.06	1.02	0.99	1.04	0.95
3	0.78	0.89	1.04	0.98	1.01	1.02	1.00

PART 1. GENERAL

- 1.1 Work in this section shall be subject to drawings, general conditions, schedules, addenda, and other contract documents.
- 1.2 The extent of the acoustical panels is shown on the drawings and in the schedules.
- 1.3 Submit _____ (select quantity) samples of each type of acoustical panel as shown on the drawings and in schedules and include appropriate technical information including test data and maintenance instructions. Submit _____ (select quantity) fabric selector cards from manufacturer's standard finishes, or designer specified finishes.
- 1.4 Acoustical panels shall be installed according to manufacturer's recommendations and instructions.
- 1.5 Installation of acoustical panels shall not begin until all wet work (plastering, concrete, etc.) is completed and dry. Building shall be properly enclosed and under standard occupancy conditions (temperature of 60-85°F and not more than 70% relative humidity) before installation begins.
- 1.6 The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.
- 1.7 Substitutions or changes will only be permitted by prior approval by the architect.

PART 2. MATERIALS

- 2.1 Acoustical wall panels shall be: Overtone Acoustics Acoustical Wall Panels as manufactured by Overtone Acoustics, Inc., 2205 N Forsyth Rd #D, Orlando, FL 32807. Phone (855) 296-3451
- 2.2 Acoustical Panels shall be constructed of a composite core construction of dimensionally stable rigid glass wool of 6-7 PCF density. Thickness (choose one) 1", 2", 4" or custom _____ (specify).

- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Maximum size is 4' x 10' for 3/4", 1", 1-1/2", 2", 3". 4" maximum is 4' x 6' or 24 square feet due to weight. Custom or larger sizes available; consult manufacturer. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are $\pm 1/16$ " in width and length.
- 2.4 Edge profile shall be: Square, beveled, or custom _____ (specify). Corner detail shall be: Square, Beveled, or custom _____ (specify). Edge treatment shall be: _____ (specify).
- 2.5 Panel finish shall be _____ (specify finish manufacturer, pattern, color and specifier). Finish shall be applied directly over the face and edges of the panel and returned to the back of the panel to provide a full finished edge. All corners are fully tailored.
- 2.6 Mounting shall be: Adhesive/Resin, Adhesive No Resin, Impaling/Adhesive, Lay-in, Magnet, Spline, VELCRO[®] Panel Clip to Z-Bar, Panel Clip to Double Wall Clip, Z-Bar to Z-Bar (strongly recommended for ceilings), Aluminum Z-Clips, Panel Clips/VELCRO[®] or custom _____ (specify). Leveling angles are supplied if appropriate. Adhesive, miscellaneous fasteners, (i.e. nails, screws, etc.) and standard continuous wall leveling angle are to be supplied by the contractor.
- 2.7 Acoustical Performance – panels shall have a minimum NRC of _____ (please specify).
- 2.8 Flammability – All panel components shall have a Class "A" fire rating in accordance with ASTM E-84.
- 2.9 R-Value is _____. (Calculated using the R-factor of 4.16 per inch of thickness.)

Thank you for choosing Overtone Acoustics, Inc. for your acoustical needs.

DISCLAIMER OF LIABILITY

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Overtone Acoustics makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.

WARRANTY

All of our acoustic panels come with a 1 year limited warranty. We will replace any panel that becomes defective within 1 year of purchase. We will require the defective product to be sent to us for inspection. Warranty will not cover damages caused by misuse, abuse or improper installation. We will not be held liable for injuries of any kind resulting from the use of any of our products. Overtone Acoustics products are not to be used outdoors. Such use will void the warranty

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