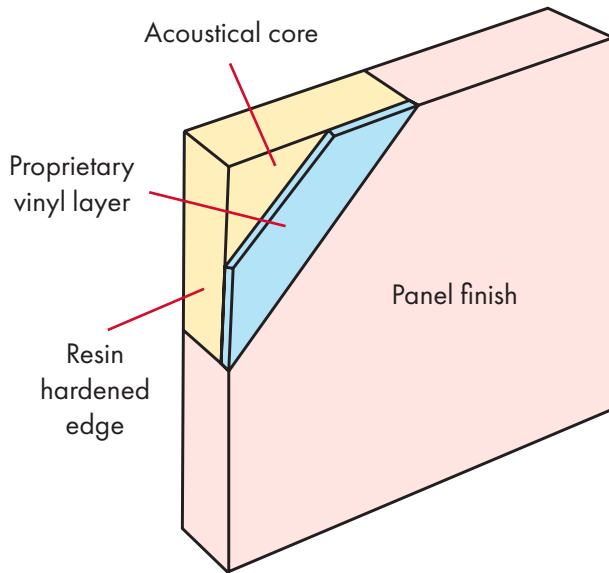


low frequency tuner wall & ceiling panels



Application

Conwed Low Frequency Tuner wall and ceiling panels are designed for areas requiring special control of low frequency sound. Used in critical music practice and performance areas, often in conjunction with standard A100 Series panels.

Construction

The core construction is a dimensionally stable 6-7 PCF fiberglass board with resin hardened edge protection laminated with a special un-perforated vinyl layer that allows selective acoustical performance. Fabric finish is completely adhered to the face of the panel and returned to the back for a full finished edge. All corners are fully tailored.

Size availability

The special acoustical purpose of this product requires a 2" core. Maximum size is 4' x 12'.

Edge detail

All edges are chemically hardened, unless otherwise specified. Available choices include: square, radius, and bevel.

Finish

A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex.

Mounting

Standard mountings include spot and perimeter adhesive, Z-clip, concealed splines, impaling clips, hook & loop, and magnetic fasteners.

Acoustical performance

Low Frequency Tuner wall and ceiling panels provide an acoustical absorption for the common problem of overabsorption of "highs" and under-absorption of "lows." The special under-fabric layer traps lows while selectively reflecting high frequencies.

The following noise reduction coefficients were derived from tests in accordance with ASTM C423 on a Type D5 mounting. NRC rating is 0.30.

Fire performance

Each component has been tested according to ASTM E84* and has a Class I/A rating.

Warranty (3-year limited)

Low Frequency Tuner Panels have a limited 3-year warranty starting from date of shipment. The panels are warranted to be free from defects in material. See product warranty for details and limitations.

* The ASTM E84 standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment, which takes into account all of the factors, which are pertinent to an assessment of the fire hazard of a particular end use.

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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: Low Frequency Tuner Panels as manufactured by Conwed.
- 2.2** Acoustical Panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of 6-7 pcf density laminated to an un-perforated vinyl member that allows selective acoustical transparency. Thickness is 2".
- 2.3** Sizes: _____ width and _____ high or as shown on drawings. Standard maximum size is 48" wide x 144" high (nominal). Custom or larger sizes available; consult manufacturer. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are $\pm \frac{1}{16}$ " in width and length.
- 2.4** Edge profile shall be: Square, radius, full bevel, half-bevel, miter, or custom _____ (specify). Corner detail shall be: Square, radius or custom _____ (specify). Edge treatment shall be: chemically hardened, aluminum or high-pressure laminate (with square edge only), wood (all profiles available) or custom _____ (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, Aluminum Z-Clips, Panel Clips/ VELCRO® or custom _____ (specify). 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 an NRC no less than 0.30 and not greater than 0.40, in accordance with ASTM C423 (Type "D5" Mounting).
- 2.8** Flammability – All panel components shall have a Class "A" fire rating in accordance with ASTM E84.

**Thank you for choosing Conwed®
for your acoustical needs.**

The information provided above is correct to the best of our knowledge at time of printing. We reserve the right to make changes without prior notification.

Environmental and sustainability

Conwed is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Conwed is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.conwed.com.

Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via www.conwed.com.

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, Conwed 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.

