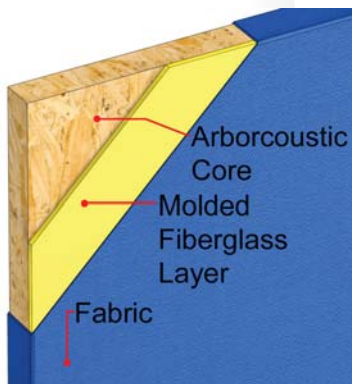


RESPOND® ARBORCOUSTIC™ ACOUSTICAL WALL PANELS



APPLICATION

Respond Arborcoustic Acoustical Wall panels are designed for areas requiring tremendous impact resistant, tack-able / mountable surfaces with excellent acoustical absorption. Use in corridors, gymnasiums, hallways, art studios and similar areas.

CONSTRUCTION

Respond Arborcoustic Core is a wood-based acoustically absorptive material containing a binder and 100-percent recycled wood fiber. This is face-laminated with a 1/8" 16-20 pcf molded glass fiber. Various thicknesses of 6-7 PCF dimensionally stable fiberglass can be laminated to the back to achieve higher NRC values. Finishes are 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

Available thicknesses are 3/4", 1-3/4", 2-3/4" and 3-3/4". Maximum sizes are limited to a 65 pound limit for individual panels:

- 3/4" is 28 SF, 4'x7' or 42" wide x 8' high
- 1-3/4" is 22.5 SF, 4'x68" or 34" x 8' high
- 2-3/4" is 18.7 SF, 4'x56" or 28" x 8' high
- 3-3/4" is 16.0 SF, 4'x4' or 24" x 8' high

Custom sizes including custom width, length and shapes are standard!

EDGE DETAIL

All edges are square and resin hardened.

FINISH

A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex. A comprehensive selection of vinyl coverings is also available from Kalahari, Designtex and Maharam.

MOUNTING

Standard mounting includes wall bar to wall bar and spline.

OUTSTANDING ACOUSTICAL PERFORMANCE

Respond Arborcoustic Acoustical Wall Panels provide excellent acoustical performance for auditoriums, gymnasiums, theaters, classrooms; wherever sound absorption, extreme impact resistance and tack-ability are required.

NRC PERFORMANCE

The following NRC listings are available:

Thickness	NRC
3/4"	0.55
1-3/4"	0.75
2-3/4"	0.80
3-3/4"	0.85

The noise reduction coefficients were derived from tests conducted in accordance with ASTM C 423 on a Type F5 mounting.

FIRE PERFORMANCE

Each component has been tested according to ASTM E 84* and has a Class I/A rating.



RECYCLED CONTENT

Respond Arborcoustic Acoustical Wall panels utilize an Owens Corning fiberglass board core that is eligible to bear the Green Cross label for recycled content. The board is certified on average to contain at least 55% pre-consumer recycled glass.

And for your LEED® project, our acoustical panels can help you qualify for recycled content points under the Materials and Resources section.

3-YEAR

3-YEAR WALLS

Respond Arborcoustic Acoustical Wall panels have a limited 3-year warranty starting from date of purchase. The panels are warranted to be free from defects in material and workmanship.

See product warranty for details and limitations.

*The ASTM E 84 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. Values are reported to the nearest 5 rating.

RESPOND® ARBORCOUSTIC™ ACOUSTICAL WALL PANELS SPECIFICATIONS

PART I GENERAL

- I.1 Work in this section shall be subject to drawings, general conditions, schedules, addenda and other contract documents.
- I.2 The extent of the acoustical panels is shown on the drawings and in the schedules.
- I.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.
- I.4 Acoustical panels shall be installed according to manufacturer's recommendations and instructions.
- I.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.
- I.6 The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.
- I.7 Substitutions or changes will only be permitted by prior approval by the architect.

PART 2 MATERIALS

- 2.1 Acoustical panels shall be CONWED RESPOND Type: Arborcoustic™ Acoustical Wall Panels as manufactured by CONWED Designscape, 800 Gustafson Road, Ladysmith, WI 54848. Phone (800) 932-2383, fax (800) 833-4798.
- 2.2 Acoustical Panels shall be constructed of a composite core construction of 1 1/16" Arborcoustic™ acoustically absorbent wood fiber panel backed with dimensionally stable rigid fiberglass of 6-7 pcf density. Face of panel shall be laminated with 1/8" 16-20 pcf molded glass fiber. Thickness (choose one), 3/4", 1-3/4", 2-3/4", 3-3/4" _____ (specify).

- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Maximum size for 3/4" panel is 28 SF, for 1-3/4" panel 22.5 SF, for 2-3/4" panel 18.7 SF, and for 3-3/4" panel 16 SF. Custom sizes are standard; 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. Corner detail shall be square. Edge treatment shall be: resin hardened, 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: Spline or Wall Bar to Wall Bar 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 a minimum NRC of _____ (please specify) in accordance with ASTM C-423 (Type F5 Mounting).
- 2.8 Flammability – All panel components shall have a Class "A" flame spread rating of 25 or less in accordance with ASTM E-84.

Thank you for choosing CONWED Designscape 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.

DISCLAIMER OF LIABILITY

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