

RESPOND® URBAN FOREST PANELS



APPLICATION

Respond Urban Forest wall and ceiling panels are designed for use in high abuse areas requiring sound absorption and clean-ability. A “pan” of perforated co-polymer over fiberglass allows sound absorption while withstanding many forms of punishment. Use in gymnasiums, hotels, multi-purpose rooms – anywhere requiring a durable, acoustically absorbent panel with a faux wood finish.

CONSTRUCTION

This panel features an innovative combination of dimensionally stable 6-7 PCF glass fiberboard, with a 1/16” resilient perforated co-polymer face sheet with heat-formed edges. A white or black scrim layer is optional under the co-polymer sheet.

SIZE AVAILABILITY

Thicknesses include: 1/16”, 1 9/16” and 2 1/16”. Widths are up to 48” for 1” and 46” for 2”. Lengths are up to 116” for 1” and 114” for 2”. Standard tolerance is ± 1/8”; a reveal of 1/8” is required between panels. Custom size is our standard!

EDGE DETAIL

All edges, square only, are resin hardened underneath the heat-formed co-polymer.

FINISHES

The co-polymer is available in 6 standard wood-grains. From light to dark this includes: Riga Birch, Honey Maple, Pearwood, Wild Apple, Spiced Fruitwood and Black Cherry.

MOUNTING

Standard wall mountings include; spot adhesive with optional impaling clips, Z-clip, hook & loop, and magnetic fasteners. Wall bar to wall bar is the recommended ceiling mount.

EXCELLENT ACOUSTICAL PERFORMANCE

Respond Urban Forest Acoustical Wall and Ceiling Panels provide excellent acoustical absorption. Panels have been

tested in accordance with ASTM C-423 with Type A mounting by a NVLAP approved Laboratory:

1 1/16” Thickness NRC = 0.75

2 1/16” Thickness NRC = 0.95

FIRE PERFORMANCE

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

R-VALUE

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

1”	4.1
1-1/2”	6.2
2”	8.3
3”	12.5
4”	16.6



RECYCLED CONTENT

Respond Urban Forest 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 35% recycled glass, with 9% post-consumer and 26% pre-consumer content.

And for your LEED® project, our acoustical panels can help you qualify for recycled content points under the Materials and Resources section. Other LEED® categories may also apply depending upon the project requirements.

3-YEAR

3-YEAR WALLS AND CEILING

Respond Urban Forest Acoustical 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® URBAN FOREST PANELS— SPECIFICATIONS

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 CONWED RESPOND Type: Urban Forest 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 dimensionally stable rigid fiberglass of medium 6-7 PCF density, laminated to a $\frac{1}{16}$ " resilient perforated co-polymer face sheet. Thickness (choose one) $1\frac{1}{16}$ ", $1\frac{9}{16}$ ", $2\frac{1}{16}$ " or custom _____ (specify).

- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Standard maximum size is 48" for 1" panels, and 46" for 2" thick panels. Length maximums are 116" for 1" panels and 114" for 2". Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are $\pm \frac{1}{8}$ " in width and length.
- 2.4 Edge profile shall be square. Corner detail shall be square. Edge treatment shall be resin hardened beneath heat-formed co-polymer.
- 2.5 Panel finish shall be _____ (specify co-polymer color). Co-polymer shall be applied directly to face and edges of the panel.
- 2.6 Mounting shall be: Adhesive / Resin, Impaling / Adhesive, Lay-in, Magnet, VELCRO®, Panel Clip to Wall Bar, Panel Clip to Double Wall Clip, Wall Bar to Wall Bar (recommended for ceilings), 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 a minimum NRC of _____ (please specify) in accordance with ASTM C-423 (Type "A" Mounting).
- 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 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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CDC CORPORATION
800 Gustafson Road
Ladysmith, Wisconsin 54848
1-800-932-2383
www.conweddesignscape.com

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