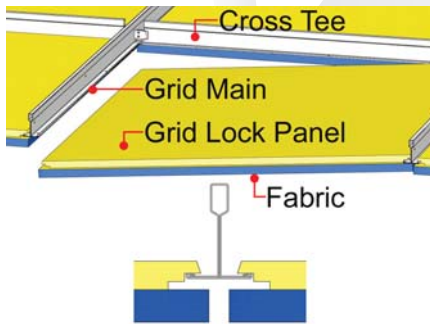


RESPOND® GRIDLOCK ACOUSTICAL CEILING PANELS



APPLICATION

Respond® Gridlock Acoustical Ceiling panels are designed for:

- Quick and easy lift-and-shift removal.
- The full range of *Respond* fabric, Soft Texture and Subtle Texture painted finishes.
- ¼" defined reveal between panels.

CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF glass fiberboard of various thicknesses. Depending on finish requirements, this could be laminated with a ½" 16-20 pcf molded glass fiber, and/or covered with a specially formulated fiberglass mat. Edges are protected with resin hardening. All finishes are acoustically transparent and cover the face and exposed edges.

SIZE AVAILABILITY

Available thicknesses are 1", 1½" and 2" plus the ½" molded glass fiberboard if required. Sizes are generally in 6" increments from 24"x24" up to 48"x48" or 30"x60".

EDGE DETAIL

All edges are resin hardened. 1" panels are only available with a square edge. 1½" panels are available with a square edge or a ½" bevel. 2" panels can be square or have up to a 1" bevel.

FINISHES

- A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex.
- Soft Texture is a factory-finished proprietary white, acoustically transparent covering with a 'soft drywall' look available in white or black.
- Subtle Texture is a factory painted finish. Custom colors are standard!

MOUNTING

The lift-and-shift mounting requires standard 15/16" ceiling grid by others. Each panel is individually removable and does not require head room above the grid for installation or removal.

ACOUSTICAL PERFORMANCE

Respond Gridlock panels will achieve the following:

Absorption Coefficients vs Frequency - HZ

		250	500	1000	2000	SAA	NRC
1½"	Guilford 2100	0.49	0.94	1.09	1.05	0.89	0.90
2½"	Guilford 2100	0.84	1.16	1.12	0.99	1.03	1.05
1½"	Painted	0.48	0.93	1.13	1.10	0.91	0.90
2½"	Painted	0.96	1.17	1.18	1.11	1.10	1.10

The noise reduction coefficients were derived from tests conducted according to ASTM C 423 on a Type E400 mounting by a NVLAP accredited laboratory.

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"	4.16
1½"	6.24
2"	8.32

RECYCLED CONTENT

Respond Gridlock Acoustical Ceiling 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 recycle 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 WARRANTY

Respond Gridlock Acoustical ceiling panels have a limited 3-year warranty. The panels are warranted to be free from defects in material and workmanship for a period of three years from the date of purchase.

See product warranty for 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[®] GRIDLOCK ACOUSTICAL CEILING 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 ceiling panels shall be CONWED RESPOND Type: Gridlock Acoustical Ceiling 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 6-7 pcf density; and if required, laminated to 1/8" 16-20 pcf molded glass fiber. Thickness (choose one): 1", 1 1/2" or 2" plus 1/8" or custom _____ (specify).
- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Standard sizes are 24" and 30" width, and 24", 30", 36", 42", 48", 54" and 60" in length. Custom sizes are available; consult manufacturer. Standard tolerances are $\pm 1/16$ " in width and length.
- 2.4 Edge profile shall be: 1" thick panels, Square. For 1 1/2" panels, Square and 1/2" Bevel. For 2" panels, Square, 1/2", 3/4" and 1" Bevel or custom _____ (specify). Edge treatment shall be: resin hardened.

- 2.5 Panel finish shall be: Soft Texture _____ (please specify white or black). Subtle Texture acoustically transparent finish, which is applied over an acoustically transparent membrane. _____ (please specify color). Fabric _____ (please specify fabric manufacturer, pattern, color and specifier). Finish shall be applied directly over the face and edges of the panel to provide a full finished edge. All corners are fully tailored.
- 2.6 Mounting shall be: Lift-and-Shift Gridlock mounting. 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 "E400" Mounting).
- 2.8 Flammability – All panel components shall have a Class "A" 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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