



APPLICATION

Conwed Designscape® Gridlock acoustical ceiling panels are designed for:

- Quick and easy lift-and-shift removal.
- The full range of fabric, Foundations and factory painted finishes.
- ¼" defined reveal between panels.

CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF fiberglass board of various thicknesses. Depending on finish requirements, this could be laminated with a 1/8" 16-20 pcf molded fiberglass, 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", 1 ½" and 2" plus the ½" molded fiberglass board if required. Sizes are generally in 6" increments from 24"x24" up to 48"x48" and 30"x60".

EDGE DETAIL

All core edges are squared and chemically hardened.

FINISH

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

- Foundations is a factory-finished proprietary white, acoustically transparent covering with a 'soft drywall' look available in white.
- Factory painted finish. Custom colors are available.

MOUNTING

Lift-and-shift mounting requires standard 1516" ceiling grid by others. Panels are individually removable and do not require head room above the grid for installation or removal. Standard ceiling mountings include wall bar to wall bar or lay-in.

ACOUSTICAL PERFORMANCE

Gridlock acoustical ceiling panels will achieve the following depending on the surface finish:

HZ	125	250	500	1000	2000	4000	NRC
Thickness 1"	0.58	0.91	0.78	1.01	1.05	1.13	0.95
Thickness 1 ½"	0.57	0.82	0.77	0.99	1.04	1.15	0.90

The core construction is a dimensionally stable 6-7 PCF glass fiberboard laminated with a 1/8" 16-20 PCF molded glass fiber, all covered with a specially formulated fiberglass mat. The NRC was derived from tests conducted according to ASTM C-423 on a Type E400 mounting by a NVLAP accredited laboratory.

NOISE REDUCTION COEFFICIENT (NRC)

The NRC of the products were determined from an average of sound absorption coefficients obtained from tests conducted according to ASTM C 423 procedures in a NVLAP accredited laboratory.

FIRE PERFORMANCE

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

WARRANTY (3-YEAR LIMITED)

Gridlock acoustical ceiling 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 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.

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 ceilings shall be: Gridlock ceiling panels as manufactured by Conwed Designscape®.
- 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 3/8" 16-20 pcf molded glass fiber. Thickness (choose one): 1", 1 1/2" or 2" plus 3/8" 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 ± 3/16" in width and length.
- 2.4** Edge profile shall be: Square. Edge treatment shall be: chemically hardened.
- 2.5** Panel finish shall be: Foundations (please specify white or black). New Dimensions 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 Interlocken 2.0 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" fire rating 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.

ENVIRONMENTAL AND SUSTAINABILITY

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

NOTES

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



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