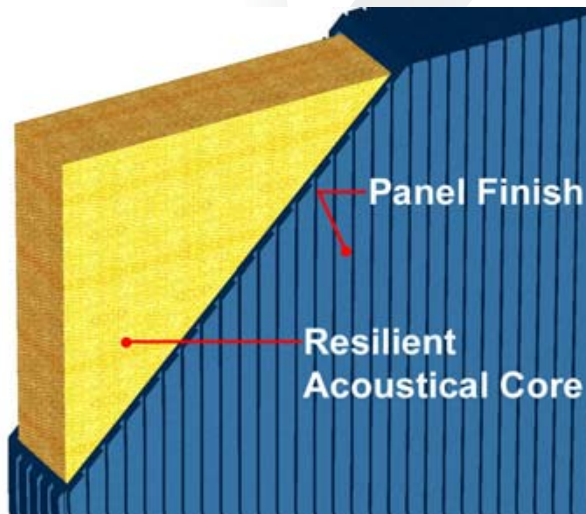


RESPOND® RESIST ACOUSTICAL PANELS



APPLICATION

Respond Resist Wall and Ceiling panels are designed for gymnasiums and multi-purpose areas. The resilient fiberglass core springs back on impact to resist permanent deformation. This is an economical approach to sound absorption and abuse resistance.

CONSTRUCTION

The core construction is a dimensionally stable 6 PCF resilient fiberglass board with optional resin hardened edge protection. Classic construction: unhardened edges combined with a non-woven ribbed polyester fabric wrap. 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 1-1/8" and 2-1/8". Widths are up to 48", and lengths to 10'. Sizes up to 60" x 120" are available in some non-classic fabrics.

EDGE DETAIL

In the classic construction with Whispertex fabric, edges are unhardened; however resin hardened edges are available in other fabrics. Available choices include: square, radius, bevel, half bevel, and radius corners.

FINISH

Respond Classic Resist finish is Whispertex Plisse, a ribbed non-woven fabric (shown). Other finishes of choice include Whispertex Coppersmith, which is not ribbed, and Guilford 2100.

MOUNTING

Standard mountings include spot and perimeter adhesive, Z-clip, concealed splines, impaling clips, hook & loop, and magnetic fasteners. Wall Bar to Wall Bar is recommended for ceilings.

ACOUSTICAL PERFORMANCE

Respond Resist Acoustical Wall Panels provide excellent acoustical performance for gymnasiums and multi-purpose areas, and virtually anywhere sound absorption is required.

ACOUSTICAL RESULTS

Thickness	NRC
1-1/8"	.90

The noise reduction coefficients were derived from tests conducted in accordance with ASTM C 423 on a Type D5 mounting.

FIRE PERFORMANCE

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

3-YEAR

3-YEAR WALLS AND CEILINGS

Respond Resist 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[®] RESIST ACOUSTICAL 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 wall panels shall be CONWED RESPOND Type: Resist 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 dimensionally stable, rigid, resilient fiberglass of 6-pcf density. Thickness (choose one): 1-1/8", 2-1/8" or custom _____ (specify).
- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Standard maximum size is 48" wide x 120" 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 $\pm 1/16$ " 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: un-hardened, resin 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, Rotofast (some limitations), Spline, VELCRO[®], Z-Clip to Wall Bar; Z-Clip to Double Wall Clip, Wall Bar to Wall Bar; Aluminum Z-Clips, Z-Clip / 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 "D5" 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.

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, Owens Corning 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. Nothing contained in this bulletin shall be considered a recommendation.



INNOVATIONS FOR LIVING™

CDC CORPORATION

800 Gustafson Road
Ladysmith, Wisconsin 54848

1-800-932-2383

www.conweddesignscape.com

Pub. No. 10000515-B. Printed in U.S.A. May 2008. ©2008 Owens Corning.