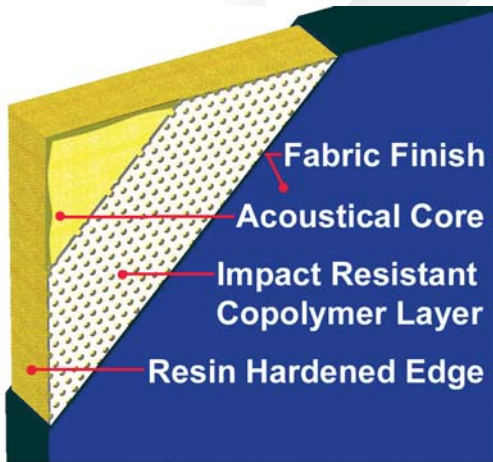




Wall Technology

CDC Corporation
An Owens Corning Company

REBOUND PANELS



APPLICATION

Rebound wall and ceiling panels are designed for use in high abuse areas requiring sound absorption. A sheet of perforated co-polymer under the fabric allows sound absorption while withstanding many forms of punishment. Use in gymnasiums, hotels, multi-purpose rooms – anywhere requiring a durable, acoustically absorbent panel.

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. Panels are finished with Class A-rated fabric and arrive ready-to-install in any commercial application.

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

Thicknesses include: 1-1/16", 1-9/16" and 2-1/16". Widths are up to 48", and lengths to 10'. Custom widths up to 53" are available.

EDGE DETAIL

All edges are resin hardened, unless otherwise specified. Corner choices include: square, bevel, and radius.

FINISHES

A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex. A comprehensive selection of vinyl coverings are available from Webcore, Designtex and Maharam. A USDA-approved Tedlar encapsulation can be provided for areas requiring sanitation and clean-ability.

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.

EXCELLENT ACOUSTICAL PERFORMANCE

Rebound Acoustical Wall and Ceiling Panels provide excellent acoustical absorption. Panels have been tested in accordance with ASTM C-423 with Type D5 mounting by a NVLAP approved Laboratory:

1-1/8" Thickness NRC = 0.85

Frequency-HZ	Absorption
125	0.11
250	0.42
500	0.91
1000	1.13
2000	1.02
4000	0.88

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

FIRE PERFORMANCE

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



RECYCLED CONTENT

Rebound 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 40% recycled glass, with 10% post-consumer and 30% 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 CEILINGS

Rebound 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.

REBOUND PANELS— SPECIFICATIONS

PART I 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 Wall Technology Type: Rebound Acoustical Wall Panels as manufactured by Wall Technology, 800 Gustafson Road, Ladysmith, WI 54848. Phone (800) 359-3312, fax (800) 359-0106.
- 2.2 Acoustical Panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of medium density, laminated to a 1/16" resilient perforated co-polymer face sheet. Thickness (choose one) 1-1/16", 1-9/16", 2-1/16" 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 up to 53" widths are 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, full bevel, half-bevel, miter, or custom _____ (specify). Corner detail shall be: Square, radius or custom _____ (specify). Edge treatment shall be: 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, Spline, 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 Wall Technology 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.



CDC CORPORATION

800 Gustafson Road
Ladysmith, Wisconsin 54848

1-800-359-3312

www.walltechnology.com

Pub. No. 10000546-C. Printed in U.S.A. June 2009. © 2009 Owens Corning.

LEED is a registered trademark of U.S. Green Building Council.