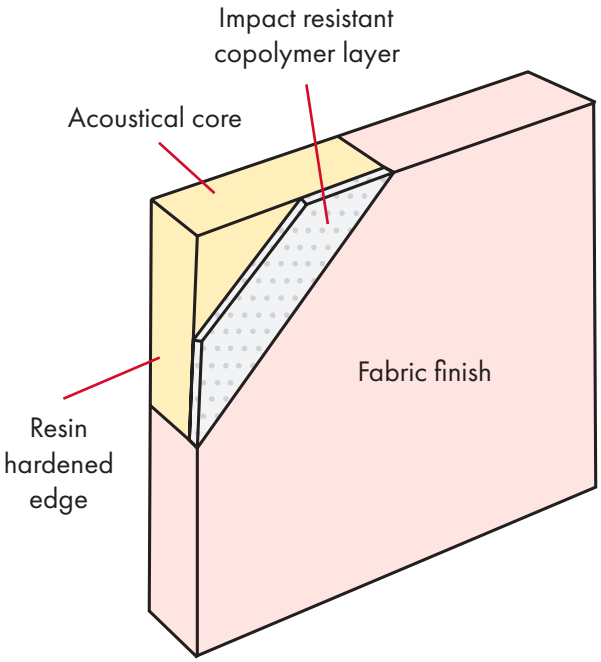
Product Data Sheet

ultimate 1500 & rebound panels



Application

Conwed Rebound fabric covered 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 an impact resistant sound absorbent panel.

Construction

This panel features a dimensionally stable 6-7 PCF fiberglass core, 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 core edges are resin hardened, unless otherwise specified. Rebound fabric covered wall and ceiling panels have square edges.

Finish

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 Sanitas Kalahari, Designtex and Maharam.

Mounting

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

Acoustical performance

Our products are constantly modified to achieve their maximum acoustical performance while providing the aesthetics desired in their applications. Panels are available in a variety of thickness, and their performances are tested in accordance to ASTM procedures in a NVLAP accredited laboratory.

Please consult with your Local Representative, or the Company's Technical Services Department for assistance in determining the proper panels, and their acoustical specifications, for your application.

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 C4234 procedures in a NVLAP accredited laboratory.

HZ	125	250	500	1000	2000	4000	NRC
Thickness 1 1⁄16"	0.10	0.30	0.83	1.16	1.15	1.02	0.85
Thickness 2 1⁄16"	0.14	0.90	1.26	1.24	1.15	0.99	1.15

Fire performance

Each component has been tested according to ASTM E84* and has a Class I/A rating.

Warranty (3-year limited)

Rebound acoustical 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 E84 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.

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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 panels shall be: Rebound Panels as manufactured by Conwed.

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 ± 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, Z-Bar to Z-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).

2.8 Flammability – All panel components shall have a Class "A" fire rating in accordance with ASTM E84.

2.9 R-Value is _____. (Calculated using the R-factor of 4.16 per inch of thickness.)

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

Notes

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