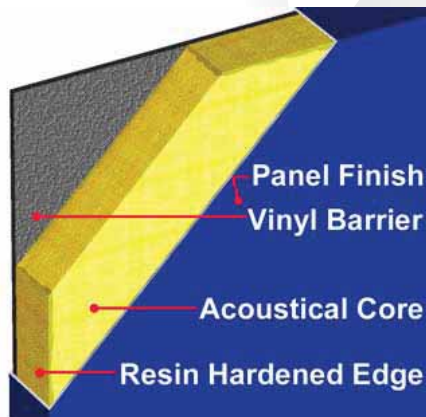


LOADED VINYL ACOUSTICAL PANELS



APPLICATION

Loaded Vinyl wall and ceiling panels are designed to stop unwanted sound transmission while absorbing ambient noise. Use for speech privacy in offices, meeting rooms or patient consultation areas; as well as a general sound barrier for traffic or industrial noise.

CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF glass fiberboard with resin hardened edge protection. Backing is a 1/8" Loaded Vinyl barrier, fully adhered to the fiberglass. Optional 1/8" 16-20 PCF molded fiberglass face offers additional impact resistance. 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 available are based on 1/8" Loaded Vinyl combined with 3/4", 1", 1-1/2" and 2" fiberglass, with optional 1/8" molded fiberglass face. Widths are up to 48", and lengths to 12'.

EDGE DETAIL

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

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 is also available from Webcore, Designtex and Maharam.

MOUNTING

Mounting choices include perimeter adhesive, Z-clip and concealed splines for walls, and wall bar to wall bar on ceilings.

EXCELLENT ACOUSTICAL PERFORMANCE

The Loaded Vinyl prevents unwanted sound transmission through ceilings, walls and floors. 1/8" thickness provides an STC of 27. The balance of the panel is essentially an A100 Series Acoustical Wall Panel providing excellent acoustical absorption virtually anywhere sound absorption is required. A100 fabric wrapped panels have been tested for their acoustical performance:

Thickness	NRC
3/4"	.70
1"	.80
1 1/2"	.95
2"	1.05
3"	1.15

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

FIRE PERFORMANCE

Each component except the loaded backing has a **Class I/A rating** according to ASTM E 84*. Loaded backing passes UL 94.



RECYCLED CONTENT

Loaded Vinyl Acoustical Ceiling and Wall 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.

3-YEAR

3-YEAR WALLS AND CEILINGS

Loaded Vinyl 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.

LOADED VINYL ACOUSTICAL PANELS— SPECIFICATIONS

PART 1 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.
- 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, 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: perimeter adhesive, Z-clip or concealed splines for walls, and wall bar to wall bar on ceilings. (Circle one). 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 except the loaded backing shall have a Class "A" fire rating in accordance with ASTM E-84. Loaded backing must pass UL 94.

PART 2 MATERIALS

- 2.1 Acoustical wall panels shall be Wall Technology Type: Loaded Vinyl Panels as manufactured by Wall Technology, Inc. / 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 6-7 pcf density, backed by 1/8" Loaded Vinyl barrier, fully adhered to the fiberglass, (faced with optional 1/8" 16-20 PCF molded fiberglass). Thickness (choose one) 7/8", 1-1/8", 1-5/8", 2-1/8" or custom. (Add 1/8" to these sizes if optional molded fiberglass face is required.)

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

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