



## APPLICATION

Conwed Designscape® 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 fiberglass board 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 core edges are chemically 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 Koroseal, Designtex and Maharam.

## MOUNTING

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

## EXCELLENT ACOUSTICAL PERFORMANCE

Loaded Vinyl prevents unwanted sound transmission through ceilings, walls and floors. 3/8" thickness provides an STC of 27. The balance of the panel is essentially an A100 Series Acoustical Wall Panel providing excellent sound absorption virtually anywhere sound absorption is required.

HZ	125	250	500	1000	2000	4000	NRC
Thickness 1"	0.02	0.41	0.85	1.02	1.03	0.92	0.85
Thickness 2"	0.14	0.91	1.05	1.01	0.95	0.99	1.00
Thickness 3"	0.31	1.10	1.24	1.16	1.06	0.97	1.15
Thickness 4"	0.49	1.15	1.21	1.14	1.06	1.03	1.15

## FIRE PERFORMANCE

Each component except the loaded backing has a Class I/A rating according to ASTM E 84\*. Loaded Backing Passes UI 94.

## WARRANTY (3-YEAR LIMITED)

Loaded Vinyl Wall and 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 wall panels shall be: Loaded Vinyl Panels as manufactured by Conwed Designscape®|Wall Technology, Inc.
- 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.)
- 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 ± 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: chemically 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 Z-bar to Z-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.

**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](http://www.conweddesignscape.com).

## NOTES

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via [www.conweddesignscape.com](http://www.conweddesignscape.com).

## DISCLAIMER OF LIABILITY

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