



## APPLICATION

The Conwed Designscape® Respond® A Series (A100, A200, A300, and A400) ceiling panels are economical, all purpose acoustical panels designed for use where sound absorption and value are the main criteria. This panel series is suitable for auditoriums, theatres, offices and libraries: anywhere sound control is needed.

## CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF fiberglass board with chemically hardened edge protection. 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 ¾", 1", 1 ½", 2", 3", and 4". Standard maximum size is 4' x 10'. For thickness, the limit is 4' x 6' or 24 square feet. Custom size is our standard!

## EDGE DETAIL

All core edges are resin hardened, unless otherwise specified. Available 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 available from Sanitas Kalahari, Designtex and Maharam.

## MOUNTING

Z-Bar to Z-Bar is recommended for ceilings.

## 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 Sales 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 C 423 procedures in a NVLAP accredited laboratory.

HZ	125	250	500	1000	2000	4000	NRC
Thickness 1"	0.03	0.42	0.91	1.08	1.06	0.98	0.85
Thickness 2"	0.23	0.94	1.12	1.07	1.03	1.00	1.05
Thickness 3"	0.31	1.13	1.36	1.30	1.24	1.21	1.25
Thickness 4"	0.49	1.21	1.40	1.31	1.24	1.24	1.30

## FIRE PERFORMANCE

All components has been tested according to ASTM E 84\* and has a Class I/A rating.

## WARRANTY (3-YEAR LIMITED)

A Series 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. Values are reported to the nearest 5 rating.

## 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: Respond® A Series Acoustical Ceiling Panels as manufactured by Conwed Designscape.
- 2.2** Acoustical Panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of 6-7 pcf density. Thickness (choose one) ½", ¾", 1", 1 ½", 2", 3", 4" or custom \_\_\_\_\_ (specify).
- 2.3** Sizes: \_\_\_\_\_ width and \_\_\_\_\_ high or as shown on drawings. Maximum size is 4' x 10' for ¾", 1", ½", 2", 3". 4" maximum is 4' x 6' or 24 square feet due to weight. 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, full bevel, halfbevel, 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 Z-Bar, Panel Clip to Double Wall Clip, Z-Bar to Z-Bar (strongly recommended for ceilings), Aluminum Z-Clips, Panel Clips/ VELCRO® or custom \_\_\_\_\_ (specify). Leveling angles are supplied if appropriate. 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 E-84.
- 2.9** R-Value is \_\_\_\_\_. (Calculated using the R-factor of 4.16 per inch of thickness.)

## 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).

## CERTIFICATIONS AND SUSTAINABLE FEATURES

- Certified by SCS Global Services to contain a minimum of 53% recycled glass content, 31% pre-consumer and 22% post-consumer.
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg)
- Environmental Product Declaration (EPD) has been certified by UL Environment



**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.*

## 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

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 Designscape 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.



**Conwed Designscape**  
1445 Holland Rd.  
Maumee OH, 43537  
419-871-9085  
[www.conwed.com](http://www.conwed.com)

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