



Application

Conwed Respond[®] TK/AC Acoustical Panels are an economical, lightweight tackable panel with moderate sound absorption and blocking capabilities. They are ideal for meeting rooms, school rooms or in any place that requires tackability and moderate sound absorption at a value.

Construction

Respond[®] TK/AC Acoustical Panels are a single core construction of high-density perforated mineral board, 1/2" or 5/8" thick. 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 1/2" and 5/8" (3/4" nominal). Custom sizes are available up to 48" x 120" (nominal). Standard tolerance is $\pm 1/16$ ".

Edge detail

Available choices include: square, radius, bevel, miter, kerf or custom. Radius corners are also available.

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 Webcore, Designtex and Maharam.

Acoustical performance

Respond[®] TK/AC Acoustical Panels provide acoustical performance for meeting areas and schoolrooms, where a combination of moderate sound absorption and sound blocking is required.

Respond[®] TK/AC Acoustical Panels have been tested for their acoustical performance in accordance with ASTM C-423 with Type A mounting:

Noise reduction coefficient (NRC)

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

HZ	125	250	500	1000	2000	4000	NRC
Thickness 5/8"	0.09	0.12	0.25	0.27	0.34	0.42	0.25

1/2" core is not perforated and therefore is not rated for NRC.

Fire performance

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.

Warranty (3-year limited)

Respond[®] TK/AC 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 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: Respond[®] TK/AC Acoustical Panels as manufactured by Conwed.
- 2.2** Acoustical Panels shall have a single core construction of dimensionally stable Mineral Fiber Board of not less than 22 pcf density, and not more than 0.1% hygrometric expansion from 50% to 90% R.H. Thickness is either ½" or ⅝".
- 2.3** Sizes: _____ width and _____ high or as shown on drawings. Maximum size is 48" wide x 120" high (nominal). Custom sizes available; consult manufacturer. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are ± ¼" in width and length.
- 2.4** Edge profile shall be: Square, radius, half-bevel, miter, kerf or custom _____ (specify). Corner detail shall be: Square or radius.
- 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 No Resin (Perimeter Adhesive), VELCRO[®], concealed spline, Z-Clip Plates and Z-Bars. 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). Note: ½" core is not perforated and therefore not rated for NRC.

2.8 Flammability – All panel components shall have a Class "A" fire rating in accordance with ASTM E-84.

**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

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