



Application

Respond® Back-to-Back Baffles are designed to be a tasteful large-area acoustical solution with a high degree of design flexibility.

Construction

The Respond® Back-to-Back Baffle construction is two pieces of dimensionally stable 6-7 PCF Glass Fiberboard with resin hardened edge protection. D-Ring support.

Size availability

Back-to-Back Baffles can be 1", 1½" and 2". Maximum size is 4'w x 12'h or 5'w x 10'h. Note that maximum size can be further limited by chosen fabric width.

Edge detail

All edges are resin hardened. Back-to-Back is available in: square, radius, bevel, and half bevel.

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 for Back-to-Back Baffles.

Mounting

Respond® Back-to-Back Baffles utilize D-Rings.

Excellent acoustical performance

Respond Baffles provide excellent large area acoustical performance for auditoriums, theaters, offices, libraries, eating establishments and classrooms. Because both surfaces absorb sound energy and exceed normal NRC ratings, the ASTM C423 procedure requires listing according to Sabins per Square Foot.

1"	1.3 Sabins/Square Foot
2"	1.75 Sabins/Square Foot

The noise reduction coefficients were derived from tests conducted in accordance with ASTM C423.

Fire performance

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

Recycled content

Respond Baffles utilize an Conwed 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 35% recycled glass, with 9% post-consumer and 26% 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. Other LEED® categories may also apply depending upon the project requirements.

Warranty

Respond Baffles have a limited 3-year warranty. The panels are warranted to be free from defects in material and workmanship for a period of three years from the date of purchase. 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.



respond[®] baffles

Back-to-back

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 Conwed Respond[®] Type Baffles: Back-to-Back as manufactured by Conwed.
- 2.2** Baffles shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of 6-7 pcf density. Solid core thickness (choose one) ¾", 1", 1½", or 2". Fold-Up or Back-to-Back thickness (choose one) 1", 1½" or 2".
- 2.3** Sizes: _____ width and _____ high or as shown on drawings. Back-to-Back maximum size is 4' wide x 12' high, or 5' wide x 10' in any orientation. Custom 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** Back-to-Back edges can be: square, radius, full bevel, half bevel, miter, or custom _____ (specify). Corner detail shall be: Square. Edge treatment shall be resin hardened.
- 2.5** Panel finish shall be _____ (specify finish manufacturer, pattern, color and specifier). Finish shall be applied directly over the faces and all edges of the baffles. All corners are fully tailored.
- 2.6** Mounting shall be vertical attachment to D-Rings with Back-to-Back Baffles. Any miscellaneous fasteners are to be supplied by the contractor.

2.7 Acoustical Per Performance – Baffles shall have a minimum Sabins rating of 1.3 Sabins per square foot for 1", or 1.75 Sabins per square foot for 2" measured in accordance with ASTM C423.

2.8 Flammability – All panel components except for the wood strip on the Solid core Baffle, shall have a Class "A" fire rating in accordance with ASTM E84.

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.

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.

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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