



Application

Arborcoustic® by Conwed wood fiber acoustic panels and tiles provide excellent large area acoustical performance for auditoriums, theaters, offices, libraries, eating establishments, and classrooms.

Construction

Arborcoustic® wood fiber acoustic panels and tiles are a functional, natural material made from two of the world's sturdiest building materials, wood and cement. The combination is simple and ingenious. Wood fiber offers excellent insulation, heat retention, and sound absorption. Our panels and tiles are made from FSC certified wood guaranteeing that they can be traced back to responsible forestry operations. Cement, a proven and popular building material, is the binder that provides strength, moisture resistance, and fire protection. Therefore, Arborcoustic® by Conwed panels and tiles are versatile and durable in all climates.

Size availability

Direct-attach panels

Arborcoustic® direct-attach panels are available in two sizes:

24" x 48" and 24" x 96"

Thickness available in 1"

Ceiling tiles

Arborcoustic® ceiling tiles are available in two sizes:

23 3/4" x 23 3/4" and 23 3/4" x 47 3/4"

Thickness available in 1"

Edge detail

Direct-attach panels

Arborcoustic® direct-attach panels are available in square, 1/2 bevel, or tegular edge detail. Additional options may be available upon request.

Ceiling tiles

Arborcoustic® ceiling tiles are available in square or tegular edge detail (available in 3/16" or 5/16").

Finish

Arborcoustic® panels and tiles come factory-painted in three colors, including white, natural, and gray. Custom colors are also offered to match any interior design palette. For custom colors, we reference Sherwin Williams color codes. Painted boards may be repainted one time without noticeable reduction of noise absorption. Use spray painting with water based latex paint which should be applied thinly. Spot damage on a painted surface may be touched up without the need to repaint the entire surface.

Please Note: the textured surface of the Arborcoustic® wood fiber greatly affects the finished appearance of selected colors. Approval of painted samples is recommended.

Mounting

Arborcoustic® direct-attach panels fasten directly to the wall or ceiling with screws or adhesive. Ceiling tiles mount into standard ceiling grid structures.

Excellent acoustical performance

Our products are constructed to achieve their maximum acoustical performance while providing the aesthetics desired in their applications. Their performances are tested in accordance to ASTM procedures in a NVLAP accredited laboratory. Please consult with your sales representative for assistance in determining the proper panels, and their acoustical specifications, for your application.

Product	Installation Method	Thickness	NRC
Arborcoustic®	Direct-attach panels	1"	0.40
	Ceiling tile lay-in	1"	0.45

Fire performance

Arborcoustic® meets ASTM E84* standards for smoke development and flame spread.

Recycled content

Arborcoustic® is designed to be up-cycled or recycled. Meaning panels that have been disassembled may be re-used. Alternatively, wood fiber boards may be ground down and recycled, (e.g. as ballast and filling material, moisture absorbent sprinkling, or substrate for running tracks). If whole or ground down wood fiber boards are deposited into nature no negative environmental impact will arise. This adds a calcium supplement to the soil.

30-year warranty

Arborcoustic® panels and tiles have a limited 30-year warranty. Panels and tiles are warranted to be free from defects in material and workmanship for a period of thirty years from the date of purchase. See product warranty for details and limitations.

* The ASTM E84 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.
- 1.4** Acoustical panels and tiles 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 panels and tiles shall be Arborcoustic® wood fiber acoustic panels as manufactured by Conwed.
- 2.2** Panels and tiles shall be constructed of a composite core construction of wood wool, water, and cement. Thickness of board is 1".
- 2.3** Sizes: _____ width and _____ high or as shown on drawings. Arborcoustic® direct attach panels come in two sizes: 24' x 48' and 24' x 96'. Arborcoustic® ceiling tiles come in two sizes: 23 ¾" x 23 ¾" and 23 ¾" x 47 ¾".
- 2.4** Edge profile shall be square, ½ bevel, or tegular for Arborcoustic® by Conwed. Corner detail shall be: Square.
- 2.5** Mounting shall be: screws, impaling clips and adhesive, or lay-in. Adhesive, miscellaneous fasteners, (i.e. nails, screws, etc.), and standard continuous wall leveling angle are to be supplied by the contractor.
- 2.6** Acoustical Performance – panels shall have a minimum NRC rating of 0.40 for 1", ASTM C423.
- 2.7** Flammability – All panels should have an ASTM E84 rating of 0 for smoke development and flame spread.

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.

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.

