Smooth and CLEAN
Monolithic Visual

The ACOUSTIBuilt™ seamless acoustical ceiling system provides the clean monolithic visual of a drywall ceiling with Total Acoustics® & Sustain® performance. ACOUSTIBuilt combines excellent acoustical performance and sustainability attributes with efficient installation in wall-to-wall and cloud applications for any space.

- Installed system achieves excellent acoustical performance of up to NRC 0.70 and CAC 48
- Use ACOUSTIBuilt for wall-to-wall, cloud, sloped, or soffit applications
- Smooth non-directional, monolithic, drywall-like visual (Level 4 equivalent finish)
- Add a hint of color, tailored to your design palette
- Quick, easy panel installation using Armstrong® Drywall Grid System
- Faster and easier to install & repair than acoustical plaster at a lower cost

Seamless and Monolithic
The ACOUSTIBuilt™ seamless acoustical ceiling system combines the monolithic look of traditional drywall with Total Acoustics® performance, the ideal combination of sound absorption and sound blocking. Sound absorption reduces noise while sound blocking keeps it from traveling into adjacent spaces. Together these attributes help you create quiet spaces.

Acoustics & AESTHETICS
ACOUSTIBuilt™ Seamless Acoustical Ceiling System

Total Acoustics® Performance

Now, whether you’re creating a space for quiet concentration, collaboration, or confidentiality, one system meets the needs for today’s flexible spaces.

Installed ACOUSTIBuilt™ Seamless Acoustical Ceiling Systems provide high sound absorption (NRC up to 0.70) and high sound blocking (CAC 48) to achieve Total Acoustics® performance. Unfinished ACOUSTIBuilt panels are UL® Classified as 0.80 NRC.

ACOUSTIBuilt cloud installations can enhance the design and acoustical performance of a space and will absorb sound from both the front and back surfaces.

Sound Absorption Comparison

<table>
<thead>
<tr>
<th></th>
<th>5/8&quot; Drywall</th>
<th>ACOUSTIBuilt™ Seamless Acoustical Ceiling System</th>
<th>ACOUSTIBuilt™ Clouds 50% coverage - equivalent to 2,500 SF of clouds</th>
<th>ACOUSTIBuilt™ Cloud Installation, Vincennes University, Vincennes, IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRC</td>
<td>0.05</td>
<td>0.70</td>
<td>0.80</td>
<td>0.80</td>
</tr>
<tr>
<td>Sabins/SF</td>
<td>1.33</td>
<td>1.20</td>
<td>1.33</td>
<td>1.33</td>
</tr>
<tr>
<td>CAC</td>
<td>50</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Reverberation Time</td>
<td>1.7 sec</td>
<td>0.5 sec</td>
<td>1.1 sec</td>
<td>0.7 sec</td>
</tr>
<tr>
<td>RT Improvement</td>
<td>–</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
</tr>
<tr>
<td>SPL Reduction</td>
<td>–</td>
<td>-2.7 dB</td>
<td>-2.7 dB</td>
<td>-3.7 dB</td>
</tr>
</tbody>
</table>

* 1.33 Sabins/SF achieved using infill panel item 8200T10

Installed Cost Comparison

<table>
<thead>
<tr>
<th></th>
<th>5/8&quot; Drywall</th>
<th>ACOUSTIBuilt</th>
<th>Acoustical Plaster</th>
</tr>
</thead>
</table>

Sustain® Performance

ACOUSTIBuilt™ is part of the Sustain portfolio which helps contribute to better spaces.

- Contribute to LEED® v4 (including new Materials and Resources credits)
- Have Health Product Declarations (HPDs) which tell you what’s in the products
- Are free of Red List chemicals per Living Building Challenge 3.0
- Have Declare® labels - easy reference “nutrition labels”
- Meet California Department of Public Health (CDPH) low emissions standards
- Have Environmental Product Declarations (EPDs) which tell you the impact of the products
- Contribute to Living Building Challenge
- Contribute to WELL Building Standard™
- USDA BioBased certification

ACOUSTIBuilt vs. Drywall Acoustical Comparison

5,000 SF Exposed Structure (20’ x 25’, 10’ to back; drywall with windows on two sides, commercial carpet

<table>
<thead>
<tr>
<th>Sound Absorption</th>
<th>ACOUSTIBuilt</th>
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<th>ACOUSTIBuilt™ Clouds 50% coverage - equivalent to 2,500 SF of clouds</th>
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</tr>
<tr>
<td>Sabins/SF</td>
<td>1.50</td>
<td>1.00</td>
<td>1.33</td>
</tr>
<tr>
<td>CAC</td>
<td>48</td>
<td>50</td>
<td>40</td>
</tr>
<tr>
<td>Reverberation Time</td>
<td>0.7 sec</td>
<td>0.5 sec</td>
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</tr>
<tr>
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<td>–2.7 dB</td>
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</tbody>
</table>

ACOUSTIBuilt™ Cloud Installation; Vincennes University, Vincennes, IN

armstrongceilings.com/acoustibuilt
ACOUSTIBuilt™ Seamless Acoustical Ceiling System

System Overview

The ACOUSTIBuilt™ seamless acoustical ceiling system looks like and installs like drywall but has been engineered to absorb and block sound using an acoustically transparent fine texture finish that is applied in layers to allow sound to pass through and be absorbed by the mineral fiber ACOUSTIBuilt panels. The ACOUSTIBuilt panels are screw attached to standard Armstrong® Drywall Grid System, then joints are finished just like drywall.

The typical system layout below shows a standard wall-to-wall application of ACOUSTIBuilt™.
Applications – The ACOUSTIBuilt™ ceiling system can be used in almost any ceiling application where standard drywall is used, including flat, sloped, soffit or cloud installations. ACOUSTIBuilt is seismic D,E,F tested and approved. ACOUSTIBuilt cannot be installed in curved ceiling applications.

Color – The ACOUSTIBuilt Fine-Texture finish in White has a light reflectance value (LR) of 0.87. Custom Off-White tints are available to coordinate with your design palette. Due to the fine-texture visual, color may appear slightly different than a standard flat color sample. Choose light color tones with an LRV (light reflectance value) of 50 or greater.

Lighting – ACOUSTIBuilt is intended for spaces desiring a Level 4 equivalent drywall finish. Like Level 4 drywall, critical or low-angle light grazing across the ceiling can show imperfections. Special attention to finishing and sanding may be required. Downlights can complement the appearance in severe grazing light.

Acoustical Performance – When joint compound is field applied, the installed system achieves acoustical performance of up to NRC (0.70) and CAC (48). Excessive ceiling integrations and/or small enclosed spaces where the ceiling is more compound than open area will result in degradation of sound absorption. Light tone colors may require an additional coat of Fine-Texture Finish, resulting in a slight degradation of sound absorption.

ACOUSTIBuilt™ Ceiling System; SpinaO’Rourke & Partners, West Palm Beach, FL
ACOUSTIBuilt™ Seamless Acoustical Ceiling System

**Design Details and Integration**

ACOUSTIBuilt™ installed on Armstrong® Drywall Grid offers comparable compatibility to standard drywall and easily accommodates a wide variety of conventional and Armstrong partner light fixtures, HVAC diffusers, and access doors, and transitions to standard acoustical ceiling systems. The ACOUSTIBuilt Fine Texture finish can be used to coat most GRG or metal access panels/doors in order to maintain a consistent finished ceiling visual.

ACOUSTIBuilt™ Ceiling System; Armstrong Ceilings, Lancaster, PA

ACOUSTIBuilt™ No Reveal at Wall
(Per ASTM C480, Section 20, ceilings without perimeter relief cannot exceed 30 LF and 900 SF between control joints)

ACOUSTIBuilt™ Reveal at Wall
(Per ASTM C480, section 20, ceilings with perimeter relief cannot exceed 50 ln. ft. and 2,500 sq. ft. between control joints)

Expansion Joint

Control Joint

Download ACOUSTIBuilt Drawing Details Library >
ACOUSTIBuilt™ Seamless Acoustical Ceiling System

Floating Edge Details

Axiom® One Piece Trim

Axiom Classic with Axiom Bottom Trim for ACOUSTIBuilt™

Axiom Angled Knife Edge® Trim

ACOUSTIBuilt Panel

#6 x 1-5/8” Fine Thread Drywall Screw

AXIOM® One Piece Trim (Available in multiple heights)
Armstrong® Drywall Grid Main Beam (HD8906)
AXTBC Clip (Tab Cut by 1/4°) Metal Framing Screw

ACOUSTIBuilt Panel

#6 x 1-5/8” Fine Thread Drywall Screw

AXIOM® One Piece Trim (Available in multiple heights) Armstrong® Drywall Grid Main Beam (HD8906)
AXTBC Clip Metal Framing Screw

ACOUSTIBuilt Panel

#6 x 1-5/8” Fine Thread Drywall Screw

AXIOM® Classic Trim (Available in multiple heights) Armstrong® Drywall Grid Main Beam (HD8906) AXTBC Clip Metal Framing Screw

ACOUSTIBuilt Panel

#6 x 1-5/8” Fine Thread Drywall Screw

AXIOM® T-Bar Connector Panel Clip 45° (AXCCLT45) Metal Framing Screw

Axiom Angled Knife Edge® Trim (AXKEDG)

Grip-Plate® Washer for ACOUSTIBuilt (2119)

ACOUSTIBuilt Panel

#6 x 1-5/8” Fine Thread Drywall Screw

AXIOM® Angled Knife Edge® Trim (AXKEDG)

Hanger Wire

AXIOM® Perimeter Pocket Trim (AXPST50) Roller Shade (By Others)

ACOUSTIBuilt with Axiom® Shade Pocket

ACOUSTIBuilt with Plasterform™ GRG Access Panel

ACOUSTIBuilt with Axiom® Shade Pocket

Common Integration Details

ACOUSTIBuilt™ Sprinkler Integration

Sprinkler (By Others) Bracket (By Others)

ACOUSTIBuilt with Axiom® Shade Pocket

Download ACOUSTIBuilt Drawing Details Library >

Download ACOUSTIBuilt Drawing Details Library >
New seamless acoustical ceiling system offering monolithic visual and Total Acoustics® performance.

**KEY SELECTION ATTRIBUTES**
- Look of drywall in a seamless acoustical ceiling
- Get total noise control and floor plan versatility
- Finished White ACOUSTIBuilt™ is part of the Sustain® portfolio and meet the most stringent sustainability compliance standards today
- Smooth non-directional, monolithic, drywall-like visual
- New add a hint of color, tailored to your design palette

**FINE TEXTURE FINISH FOR ACOUSTIBUILT™ PANELS**
- Quick, easy installation using Armstrong® Drywall Gold
- Install on Drywall Grid System (DGS)
- Shortspan in rooms up to 17’0” with one StrongBack™ support in the middle
- Similar installation and finishing methods to drywall ceilings

**TYPICAL APPLICATIONS**
- Offices
- Lounges
- Exposed Structure
- Hospitality
- Cloud Applications

**VISUAL SELECTION**
**COLOR TINTS OF YOUR CHOICE**
Available in any light color level

**PHYSICAL DATA**
- Material: Surface formed mineral fiber with scrim
- R Factor – 2.2 (BTU Units)
- Fire Performance: UL 2604 – 1.1lbs/SF; 240 SF/ctn
- Weight; Square Feet/Carton
- 10-Year Panel Warranty
- High Recycled Content: Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) raw materials

**TYPICAL INSTALLATION**
- Cloud Applications
- Hospitality
- Retail
- Education

**ACOUSTICAL INFORMATION**
- High Recycled Content: 50% or greater
- Mold/Mildew Protection
- Fire Performance
- Moisture: up to 100% relative humidity
- Sound Blocking: Class 4, Type IV, Form 2, Pattern G
- Smoke Developed of 50 or less
- Sound Absorption
- 0.80NRC for corridors up to 8’6”
- 0.70NRC for areas subject to high humidity, up to, but not including, Type IV, Form 2, Pattern G
- Ideal for areas subject to high humidity, up to, but not including, Type IV, Form 2, Pattern G
- Smoke Developed of 50 or less
- Absorption: a level 4 equivalent drywall finish. Critical lighting conditions such as glare or high light are important to consider when specifying as they can accentuate any imperfections or visible joints. Luminous and diffuser fixtures must be able to accommodate 7/8” thick panels.

**WALL-TO-WALL ASSEMBLY AND INSTALLATION OVERVIEW**
- D-Gold
- D-Gold Cross Tee
- Drywall Screws & Grip-Plate® Washer for ACOUSTIBuilt™

**APPLICATIONS**
- Office
- Correctional
- Healthcare
- Hospitality

**TAILORED ASSEMBLY**
- Products with tailored assembly must be able to accommodate 1/2” or thicker panels. ACOUSTIBUILT™ is a unique design that can be integrated with ceilings, walls, or other surfaces. For more information, please contact your Armstrong® representative.

**PRODUCT CERTIFIED FOR LOW CHEMICAL VAPOR EMISSIONS**
- GREENGUARD Gold Certified

**MATERIAL SOURCING AND BIODEGRADABLE CONTENT**
- 1 carton (10pcs)
- 2604 – 1.1lbs/SF; 240 SF/ctn

**WALL-TO-WALL INSTALLATION**
- Cloud Applications
- Hospitality
- Retail
- Education
**ACOUSTIBUILT™**
Seamless Acoustical Ceiling System
fine texture

**SUSPENSION SYSTEMS** — Order Separately

**PERIMETER TRIMS** — Order Separately

**PLASTERFORM™ (GRG) ACCESS PANELS**

**PAINT AND WASHERS** — Order Separately

**STANDARD ACCESSORIES** — Order Separately

**LIGHTING AND MEP INTEGRATION**

**LIGHTING PARTNERS**
Lighting and diffuser solutions are available through partner companies, or you can use standard modular and pendant fixtures.

**MEP PARTNERS**

Additional options include standard industry lighting that complements the metalIC look, or pendant fixtures that hang below the ceiling system.

For details visit: armstrongceilings.com/partners
TAKE THE NEXT STEP

1 877 276 7876
Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST
Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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Detail drawings
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Planning and budgeting

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Project installation recommendations
Contractor installation assistance

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helping to bring your one-of-a-kind ideas to life

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On the cover: ACOUSTIBuilt™ Cloud installation
Vincennes University
Vincennes, IN

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