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.

- Excellent acoustical performance of up to NRC 0.80 and CAC 46
- 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

**Smooth and CLEAN**

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

The ACOUSTIBuilt™ Seamless Acoustical ceiling system provides high sound absorption (NRC up to 0.80) and high sound blocking up to CAC 46 to achieve Total Acoustics® performance.

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

**ACOUSTIBuilt™ vs. Drywall Acoustical 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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sound Absorption</strong></td>
<td>0.05 NRC</td>
<td>0.80 NRC</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>CAC</strong></td>
<td>50</td>
<td>60</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Total Absorption</strong></td>
<td>58%</td>
<td>60%</td>
<td>58%</td>
</tr>
<tr>
<td><strong>Reverberation Time</strong></td>
<td>1.7 sec</td>
<td>0.5 sec</td>
<td>1.1 sec</td>
</tr>
<tr>
<td><strong>RT Improvement</strong></td>
<td>–</td>
<td>71%</td>
<td>35%</td>
</tr>
<tr>
<td><strong>SPL Reduction</strong></td>
<td>–</td>
<td>-3.7 dB</td>
<td>-2.7 dB</td>
</tr>
</tbody>
</table>

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

**Total Acoustics® Performance vs 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 “nutritional 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™ Cloud installation; Vincennes University, Vincennes, IN](image)
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.
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 — 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™ 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™ Panel
Plasterform™ Access Panel

Spray-Apply Fine Texture Finish for ACOUSTIBuilt™

Linear Air Diffuser
DGS Linear Light Kit for ACOUSTIBuilt™

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

ACOUSTIBuilt Drawing Details Library >
ACOUSTIBuilt™ Seamless Acoustical Ceiling System

Lighting Integration Details

Axion® Linear Lighting Kit for ACOUSTIBuilt™ (Trimless)

Typical Details

Flush Transition – ACOUSTIBuilt™ to 5/8" Drywall

Flush Transition – ACOUSTIBuilt to 15/16" Acoustical Ceiling

Axion® Transition – ACOUSTIBuilt to Acoustical Ceiling

Download ACOUSTIBuilt Drawing Details Library >
ACOUSTIBUILT™ Seamless Acoustical Ceiling System
fine texture

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 with Total Acoustics® ceiling options.
- Fire/Build ≤ ACoustibuilt™ is part of the Sustainable 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
- Quick, easy installation using Armstrong® Drywall Grid

TYPICAL APPLICATIONS
- Offices
- Lounges
- Education
- Exposed Structure
- Retail
- Hospitality

FINE TEXTURE FINISH FOR ACOUSTIBUILT™ PANELS

COLOR TINTS OF YOUR CHOICE

VISUAL SELECTION

PERFORMANCE SELECTION

ACOUSTICAL INFORMATION

WASHINGTON DC

Material:
Blended mineral fiber with scoria

Fire Performance:
Class A: ASTM E84 and CAN/ULC-S102 surface burning characteristics. Flame spread of 25 or less.

Sound Absorption:
ACOUSTIBUILT™ panels absorb the most sound of Fine Texture Finish, resulting in a degradation of sound absorption.

Sustainability:
ACOUSTIBUILT™ panels absorb the most sound when installed as full panels. Plan for layout to minimize panel joints and fixture integrations which cover the surface of the ceiling.

Recycled Content:
Panels with White Fine-Texture Finish offer BioBlock® Mold/Mildew Protection

WALL-TO-WALL ASSEMBLY AND INSTALLATION OVERVIEW

ACOUSTICAL CONSIDERATIONS

Design and Lighting Considerations:
ACOUSTIBUILT™ is designed for spaces desiring a Level 4 equivalent drywall finish. Critical lighting conditions such as grading or skylights are important to consider when selecting a ceiling that can accommodate any superfluous or visible parts.

Warping:
Panels may sag, especially when installed as full panels. Contact the lighting and diffuser manufacturers for recommended fixture use and integration. ACOUSTIBUILT™ is a non-accessible ceiling. Access panels can be integrated, as needed, following industry-standard paneling guidelines. White Fine-Texture Finish is not compatible with 7/8" drywall panels.

www.armstrongceilings.com/acoustibuilt
TechLine 877 276-7876
armstrongceilings.com/acoustibuilt
**PERIMETER TRIMS – Order Separately**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Required for Install</th>
<th>Pcs/Lin. Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>AY1PC_STL</td>
<td>Axiom® One Piece Trim</td>
<td>Yes</td>
<td>12/144</td>
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<tr>
<td>AY1PC_CUR</td>
<td>Axiom® One Piece Trim</td>
<td>Yes</td>
<td>12/144</td>
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<tr>
<td>DGSLLACBTK120</td>
<td>120&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
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<tr>
<td>DGSLLACBTK96</td>
<td>96&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
<td>Yes</td>
<td>96/100</td>
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<tr>
<td>DGSLLACBTK72</td>
<td>72&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
<td>Yes</td>
<td>72/100</td>
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<tr>
<td>DGSLLACBTK60</td>
<td>60&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
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<td>48&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
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<tr>
<td>DGSLLACBTK36</td>
<td>36&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
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<tr>
<td>DGSLLACBTK24</td>
<td>24&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
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<tr>
<td>DGSLLACBTK12</td>
<td>12&quot; Linear Light Trim Kit 96&quot; x 4&quot;</td>
<td>Yes</td>
<td>12/100</td>
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**PLASTERFORM™ (GRG) ACCESS PANELS**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Required for Install</th>
<th>Pcs/Lin. Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>FF-10000B</td>
<td>20&quot; x 30&quot; Framed Corner Access Panel</td>
<td>Yes</td>
<td>20/25</td>
</tr>
<tr>
<td>FF-10002B</td>
<td>24&quot; x 24&quot; Framed Corner Access Panel</td>
<td>Yes</td>
<td>20/25</td>
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<tr>
<td>FF-10003B</td>
<td>18&quot; x 18&quot; Framed Corner Access Panel</td>
<td>Yes</td>
<td>18/25</td>
</tr>
</tbody>
</table>

See more Plasterform Access Panel options at: armstrongceilings.com/plasterform

**STANDARD ACCESSORIES BY OTHERS – Order Separately**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Required for Install</th>
<th>Pcs/Lin. Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screws</td>
<td>#6 x 1-5/8&quot; Threaded</td>
<td>Yes</td>
<td>12/124</td>
</tr>
<tr>
<td>Setting</td>
<td>Drywall joint compound</td>
<td>Yes</td>
<td>12/124</td>
</tr>
<tr>
<td>Setting</td>
<td>Wallcovering joint compound</td>
<td>Yes</td>
<td>12/124</td>
</tr>
</tbody>
</table>

**VISUAL SELECTION**

- Seamless integration between ACOUSTIBuilt™ and linear lighting for consistent fit and finish.
- Leverage linear lighting in long runs to create a monolithic look.
- Faster and easier to build and install compared to traditional framed linear lighting.
- Light fixtures install from below ceiling to optimize ceiling heights.
- Comes in pre-assembled kits.
- Compatible with select Axis and XAL Lighting.

**LIGHTING AND MEP INTEGRATION**

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

**LIGHTING PARTNERS**

- Axis Lighting
- USAI Lighting

**MEEP PARTNERS**

- Flexhead® Lighting
- USAI® Lighting

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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Product literature and samples – express service
or regular delivery
Contacts – reps, where to buy, who will install

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