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.
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>Sound Absorption</th>
<th>0.05</th>
<th>0.70 NRC</th>
<th>0.80</th>
<th>1.00</th>
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<tbody>
<tr>
<td>Optima®</td>
<td>1.10</td>
<td>0.70 NRC</td>
<td>0.80</td>
<td>1.00</td>
</tr>
<tr>
<td>ACOUSTIBuilt™</td>
<td>0.70</td>
<td>0.70 NRC</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>5/8” Drywall</td>
<td>0.50</td>
<td>0.70 NRC</td>
<td>0.80</td>
<td>0.80</td>
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</table>

CAC

<table>
<thead>
<tr>
<th>CAC</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
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<tbody>
<tr>
<td>Optima®</td>
<td>10%</td>
<td>10%</td>
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<tr>
<td>ACOUSTIBuilt™</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
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</table>

Reverberation Time

<table>
<thead>
<tr>
<th>RT Improvement</th>
<th>1.7 sec</th>
<th>1.3 sec</th>
<th>1.1 sec</th>
<th>0.7 sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optima®</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>ACOUSTIBuilt™</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
</tr>
<tr>
<td>5/8” Drywall</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
</tr>
</tbody>
</table>

SPL Reduction

<table>
<thead>
<tr>
<th>SPL Reduction</th>
<th>3.7 dB</th>
<th>3.7 dB</th>
<th>3.7 dB</th>
<th>3.7 dB</th>
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</thead>
<tbody>
<tr>
<td>Optima®</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>ACOUSTIBuilt™</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>5/8” Drywall</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

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

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™ Cloud installation; Vincennes University, Vincennes, IN
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™ 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™ Seamless Acoustical Ceiling System

Typical Details

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

Lighting Integration Details

Axiom® Linear Lighting Kit for ACOUSTIBuilt™ (Trimless)

Axiom® Indirect Field Light Cove (Straight or Curved)

ACOUSTIBuilt Drawing Details Library >

ACOUSTIBuilt™ Seamless Acoustical Ceiling System

Typical Details

Flush Transition – ACOUSTIBuilt™ to 5/8” Drywall

Flush Transition – ACOUSTIBuilt to 15/16” Acoustical Ceiling

Axiom® Transition – ACOUSTIBuilt to Acoustical Ceiling

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

New seamless acoustical ceiling system offering monotonic 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 panel options. NRC + CAC = Total Acoustics Performance™
- Fire-resistant; ACOUSTIBUILT™ is part of the Sustain® portfolio and meets the most stringent sustainability compliance standards today
-Smooth non-directional, monolithic, drywall-like visual
- New add-in of color tailored to your design palette

FINE TEXTURE FINISH FOR ACOUSTIBUILT™ PANELS

- Quick, easy installation using Armstrong® Drywall Grid
- Install on Drywall Grid System (DGS) - DGS in any room, any size flat or sloped
- ShortSpans® in continuous up to 96” with no relays
- ShortSpans™ in rooms up to 7/16” with one ShortSpan™ support in the middle
- Similar installation and finishing methods to drywall ceilings

ACOUSTIBUILT™ is intended for spaces dealing with level 4 equivalent drop ceilings at a lower cost
- Easier to install than acoustical ceiling tiles at a lower cost
- Can be installed with most drop-in compatible light fixtures including these fixtures from our partners:
  - Acousti- XL
  - USG® - Price®

TYPICAL APPLICATIONS

- Offices
- Lobby's
- Education
- Exposed Structure
- Retail
- Hospitality
- Cloud Applications

ACOUSTIBUILT™ Panel

**Visual Selection**

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Dimensions (inches)</th>
<th>UL Classified Acoustics</th>
<th>Best Class</th>
<th>NRC</th>
<th>CAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/16” Tapered Edge</td>
<td>2008</td>
<td>48 x 72 x 7/16”</td>
<td>0.70</td>
<td>40</td>
<td>0.67</td>
<td>•</td>
</tr>
</tbody>
</table>

**Performance Selection**

Data represent high level of performance •

**Wall-to-Wall Assembly and Installation Overview**

**Acoustical Information**

Material

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Dimensions</th>
<th>R Factor - 0.39 (Watts Units)</th>
<th>R Factor - 2.2 (BTU Units)</th>
<th>Insulation Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.33</td>
<td>10-Yr Panel Warranty</td>
<td>7/8&quot; Tapered Edge</td>
<td>0.70</td>
<td>40</td>
<td>0.67</td>
</tr>
</tbody>
</table>

**Physical Data**

- Product offers a diversity of materials, colors and textures
- Fusion-Formed mineral fiber with scrim
- Fire Performance
  - Class A 25/0 and CAN/CSA S102 surface burning classification, Flame Spread of 25 or less, Smoke Developed of 0 or less
- ACOUSTIBUILT™ Panels are available with ACOUSTIBUILT™ Texture Finish for
  - **Good**: NRC 0.60-0.65; CAC 35+
  - **Better**: NRC 0.65-0.70; CAC 35+
  - **Best**: NRC 0.70+; CAC 35+

- Humidity/Sag Resistance
- Humidity/ Sag Resistance of ACOUSTIBUILT™ Panels are recommended for areas subject to high humidity, up to 60% relative humidity and will be used as exterior applications.

- Panel joints and fixture integrations which cover the ceiling is more compound than open area will need a full coat of compound to fill in the joints to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive integrations and/or colors may require an additional coat of compound to avoid excessive...
PERIMETER TRIMS — Order Separately

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Required for Install</th>
<th>Pcs./Ln.Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A19PC_STR</td>
<td>Axiom® One-Piece Drywall Trim available — straight or curved</td>
<td>Based on layout</td>
<td>12/144</td>
</tr>
<tr>
<td>A19PC_CUR</td>
<td>Axiom® One-Piece Drywall Trim available — straight or curved</td>
<td>Based on layout</td>
<td>12/144</td>
</tr>
</tbody>
</table>

Axiom® Classic Trim available in 2" to 50" heights (2" increments — straight or curved with Axiom® Bottom Trim for ACOUSTIBUILT™)

Axiom® Angled Knife Edge™ Trim available in straight or curved and Axiom® Bottom Trim for ACOUSTIBUILT™

Axiom® Angled Knife Edge™ Trim available in straight or curved and Axiom® Bottom Trim for ACOUSTIBUILT™

Axiom® Angled Knife Edge™ Trim available in straight or curved and Axiom® Bottom Trim for ACOUSTIBUILT™

PLASTERFORM™ (GRG) ACCESS PANELS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Required for Install</th>
<th>Pcs./Ln.Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1502D</td>
<td>Axiom® Angled Knife Edge™</td>
<td>Based on layout</td>
<td>1/00</td>
</tr>
<tr>
<td>PF-1502B</td>
<td>Axiom® Angled Knife Edge™</td>
<td>Based on layout</td>
<td>1/00</td>
</tr>
<tr>
<td>PF-1501D</td>
<td>Axiom® Angled Knife Edge™</td>
<td>Based on layout</td>
<td>1/00</td>
</tr>
<tr>
<td>PF-1501B</td>
<td>Axiom® Angled Knife Edge™</td>
<td>Based on layout</td>
<td>1/00</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>
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</tr>
</thead>
<tbody>
<tr>
<td>Screws</td>
<td># 6 x 1-1/2” Drywall \nself-drilling drywall screws</td>
<td>Yes</td>
</tr>
<tr>
<td>Setting Type</td>
<td>Drywall joint compound \n(used for initial setting of joints and sound/weather blocking)</td>
<td>Yes</td>
</tr>
<tr>
<td>Paper Tape</td>
<td>Paper drill-in tape \n(For Corners)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

For compatible lighting details visit: axislighting.com or XALusa.com

LIGHTING AND MEP INTEGRATION

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

LIGHTING PARTNERS

For details visit: armstrongceilings.com/partners

MEP PARTNERS

For details visit: armstrongceilings.com/acoustibuilt

ACOUSTIBUILT™ Seamless Acoustical Ceiling System

fine texture

Seamless integration between ACOUSTIBUILT™ and linear lighting for consistent fit and finish.

• Leverage linear lighting in long runs to create a metalic look
• Faster and easier to build and install compared to traditional framed linear lighting
• Light fixtures installs from below ceiling to optimize ceiling heights
• Comes in pre-assembled kits
• Compatible with select Axis and XAL Lighting

For compatible lighting details visit: axislighting.com or XALusa.com

ACOUSTIBUILT™ CEILING SYSTEM
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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Online catalog
CAD, Revit®, SketchUp® files
A Ceiling for Every Space® Visual Selection Tool
Product literature and samples – express service
or regular delivery
Contacts – reps, where to buy, who will install

YOU INSPIRE™ SOLUTIONS CENTER
1 800 988 2585
e-mail: solutionscenter@armstrongceilings.com
armstrongceilings.com/youinspire

Design Assistance
Collaborative design
Detail drawings
Specifications
Planning and budgeting

Pre-construction Assistance
Layout drawings for standard
and premium products
Project installation recommendations
Contractor installation assistance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

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

Inspiring Great Spaces®