



Smooth and CLEAN Monolithic Visual

The ACOUSTIBuilt® seamless acoustical ceiling and wall system provides the clean monolithic visual of drywall with Total Acoustics® and Sustain® performance. ACOUSTIBuilt combines excellent acoustical performance and sustainability attributes with efficient installation in wall-to-wall and cloud applications for any space, and on walls above 7 feet.

- ▶ Excellent acoustical performance of up to NRC 0.80 and CAC 46
- ▶ Use ACOUSTIBuilt on ceilings for wall-to-wall, cloud, sloped, or soffit applications, and in wall applications above 7 feet
- 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 and repair than acoustical plaster at a lower cost

ACOUSTIBuilt® Seamless Acoustical Ceiling System
Parker Poe Corporate Office
Charlotte, NC

Seamless and Monolithic





▲ ACOUSTIBuilt® Ceiling System; Interstate Drywall Corporate Office



Acoustics & AESTHETICS

The ACOUSTIBuilt® seamless acoustical ceiling and wall 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.

RT Improvement

SPL Reduction

Total Acoustics® Performance

Now, whether you're creating a space for quiet concentration, or confidentiality, one system meets the needs for today's flex



needs for today's flexible spaces.

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

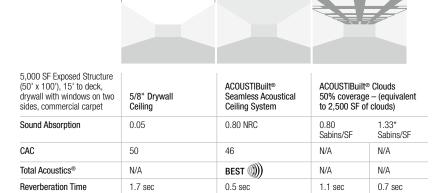
ACOUSTIBuilt cloud installations can enhance the design and acoustical performance of a space and will absorb sound from both the front and back surfaces.

In wall applications, ACOUSTIBuilt improves the STC of interior stud/drywall partition systems by up to 6 points for added sound blocking.

STC Rating* 1 Side: 42 2 Sides: 43

*3-5/8" metal studs with one layer of 5/8" drywall on both sides and ACOUSTIBuilt panels on one or both sides of the wall.

ACOUSTIBuilt® vs. Drywall Acoustical Comparison



71%

-3.7 dB

35%

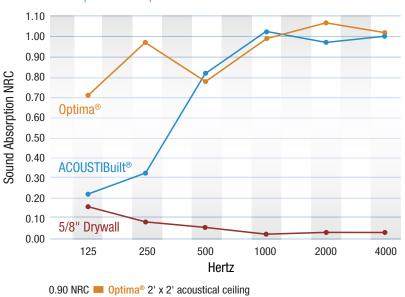
-2.7 dB

59%

-3.7 dB

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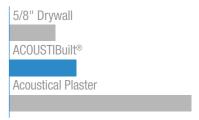
Sound Absorption Comparison



0.90 NRC Optima 2' x 2' acoustical ceiling 0.80 NRC ACOUSTIBuilt system

0.05 NRC **1** layer 5/8" Drywall on drywall grid

Installed Cost Comparison



^{* 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.

- Contributes to: LEED® v4 (including new Materials and Resources credits)
- Living Building Standard[™]
- WELL Building Standard[™]
- Fitwel® Building Standard
- Health Product Declarations (HPDs) which tell you what's in the products
- Are free of Red List chemicals per Living Building Challenge
- Declare® labels easy reference "nutrition labels"
- Greenguard® Gold Certified and meets California Department of Public Health (CDPH) low emissions standards
- Environmental Product Declarations (EPDs) which tell you the impact of the products
- USDA BioBased certification







Declare.

GREENGUARD Gold Certified

▼ ACOUSTIBuilt® Ceiling and Wall Panels

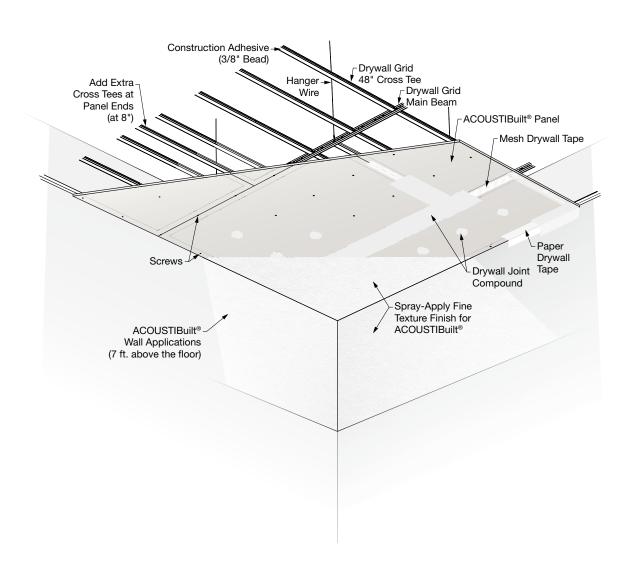


System Overview

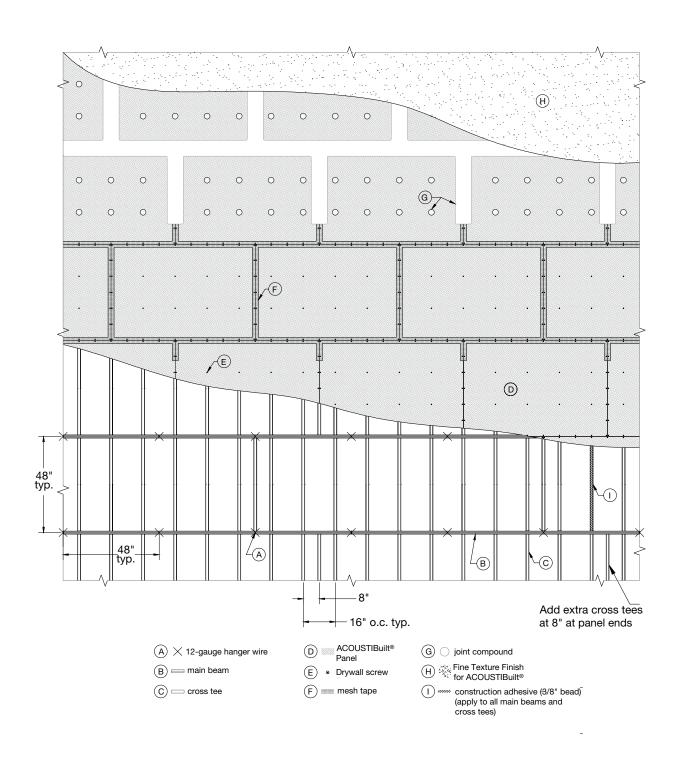
The ACOUSTIBuilt® seamless acoustical ceiling system looks like and installs like drywall but has been engineered to absorb and block sound using an acoustically transparent fine texture finish that is applied in layers to allow sound to pass through and be absorbed by the mineral fiber ACOUSTIBuilt panels. The Acoustibuilt panels are attached to the Armstrong Drywall Grid System with adhesive and screws, the ceiling is then finished just like drywall. Glue and screw panels to existing drywall on walls above 7 feet.



▲ ACOUSTIBuilt® Cloud installation; Vincennes University, Vincennes, IN



The typical system layout below shows a standard wall-to-wall ceiling application of ACOUSTIBuilt®.



Design Considerations

Applications – The ACOUSTIBuilt® ceiling and wall system can be used in almost any application where standard drywall is used, including wall applications (above 7' feet), flat, sloped, soffit or cloud ceiling applications.

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 70 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 joint 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.





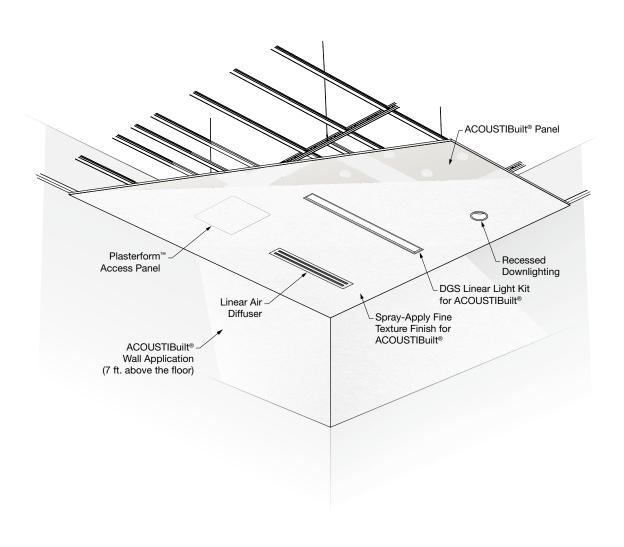
▲ ACOUSTIBuilt® Ceiling System; BancFirst, Oklahoma City, OK

Design Details and Integration

ACOUSTIBuilt® installed on Armstrong® Drywall Grid in ceiling applications offers comparable compatibility to standard drywall and easily accommodates a wide variety of conventional and Armstrong partner light fixtures, HVAC diffusers, 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.



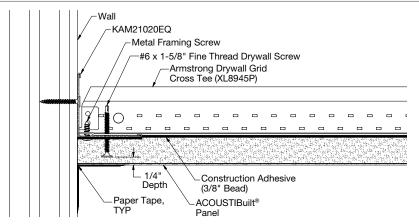
▲ ACOUSTIBuilt® Ceiling System; SpinaORourke + Partners, West Palm Beach, FL



Typical Details

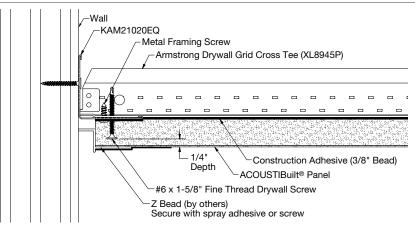
ACOUSTIBuilt® No Reveal at Wall

(Per ASTM C480, Section 20, ceilings without perimeter relief cannot exceed 30 LF and 900 SF between control joints)

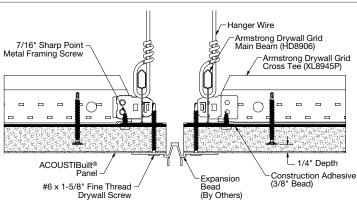


ACOUSTIBuilt Reveal at Wall

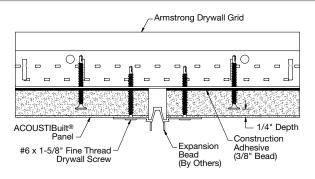
(Per ASTM C480, section 20, ceilings with perimeter relief cannot exceed 50 In. ft. and 2,500 sq. ft. between control joints)



Expansion Joint

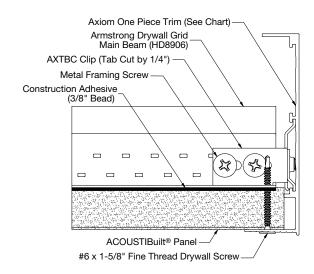


Control Joint

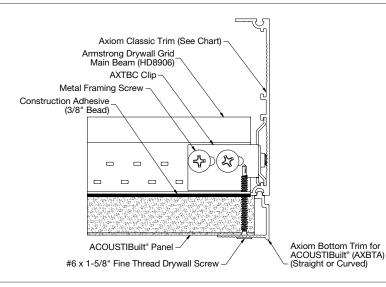


Floating Edge Details

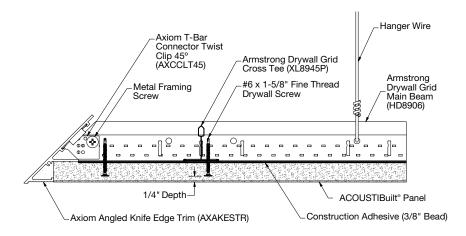
Axiom® One Piece Trim



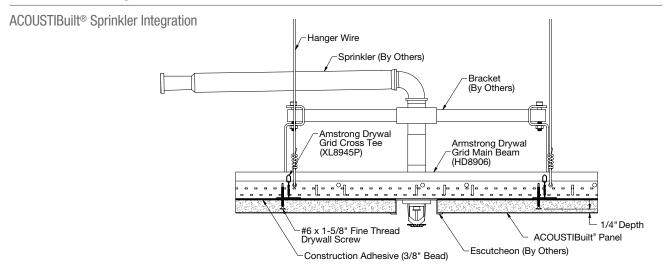
Axiom Classic with Axiom Bottom Trim for ACOUSTIBuilt®



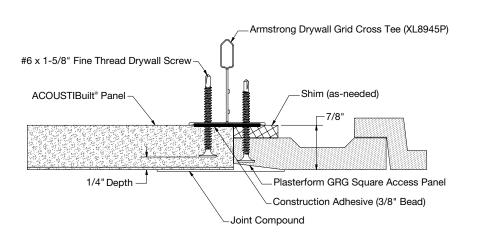
Axiom Angled Knife Edge® Trim



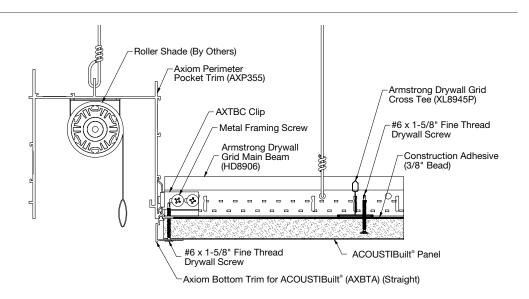
Common Integration Details



ACOUSTIBuilt with Plasterform™ GRG Access Panel

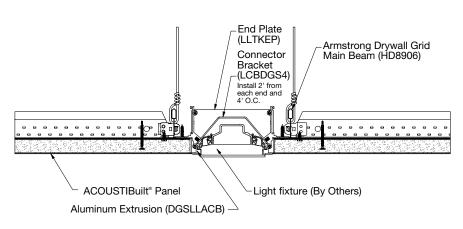


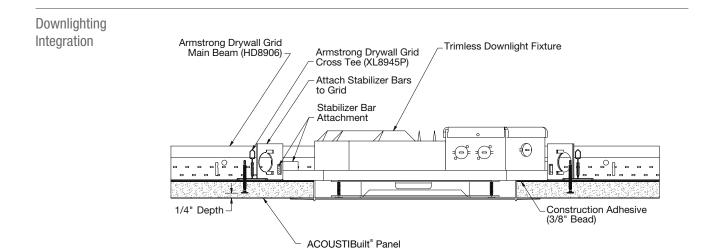
ACOUSTIBuilt with Axiom® Shade Pocket

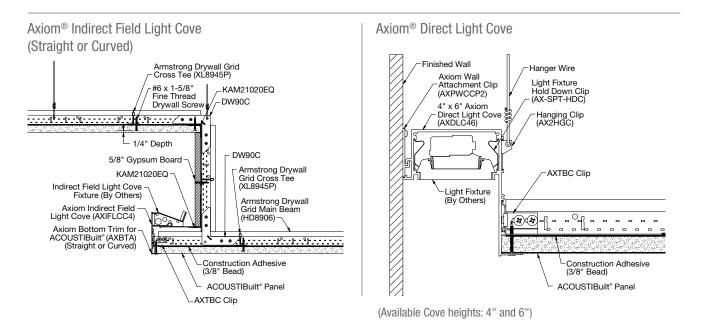


Lighting Integration Details

Axiom® Linear Lighting Kit for ACOUSTIBuilt® (Trimless)

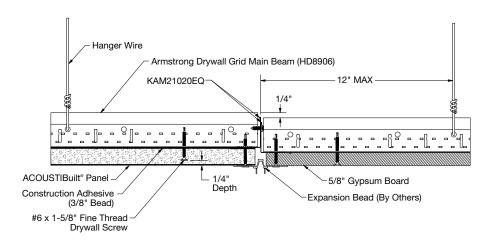




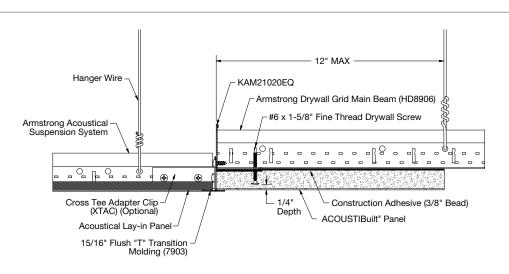


Typical Details

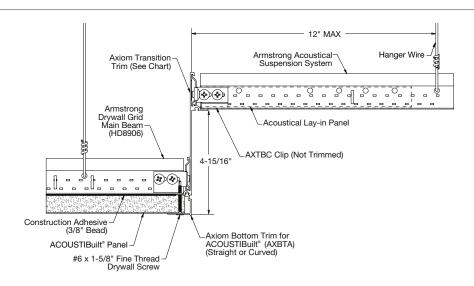
Flush Transition — ACOUSTIBuilt® to 5/8" Drywall



Flush Transition — ACOUSTIBuilt to 15/16" Acoustical Ceiling



Axiom® Transition – ACOUSTIBuilt to Acoustical Ceiling

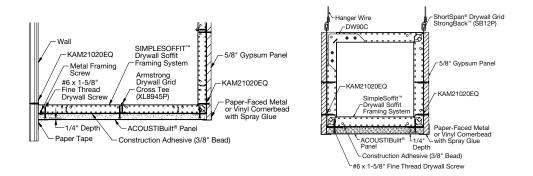


Wall and Soffit Details

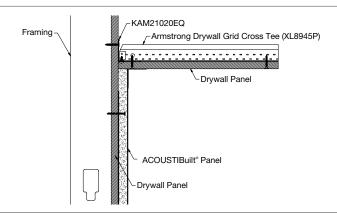


ACOUSTIBuilt® with SimpleSoffit **Drywall Framing System**

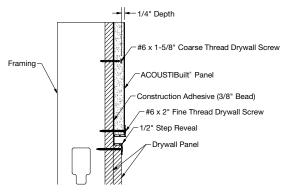
Use SimpleSoffit drywall framing system with AcoustiBuilt on Soffits greater than 36" for improved acoustical performance.



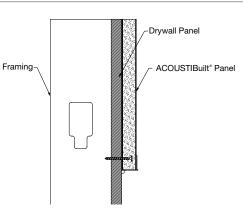
ACOUSTIBuilt® Wall Finished to **Drywall Ceiling**



Wall Reveal for ACOUSTIBuilt®



ACOUSTIBuilt® Wall - Step-to-Drywall with 7/8" L-Bead





ACOUSTIBuilt® Seamless Acoustical Ceiling System, Cloud Application / AXIOM® Classic Trim; Incite Design Studio; Webb City High School, Webb City, MO



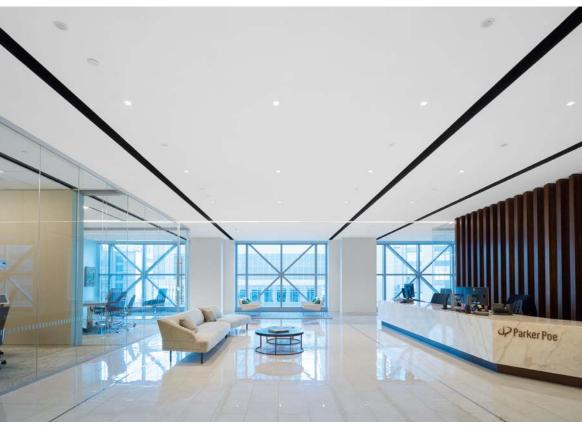
Seamless Acoustical Ceiling and Wall System fine texture











CAD/Revit® drawings at: armstrongceilings.com/cadrevit



armstrongceilings.com/capabilities See more photos at: armstrongceilings.com/photogallery

▲ ACOUSTIBuilt® Seamless Acoustical Ceiling System

New seamless acoustical ceiling and wall system that looks like drywall, but offers Total Acoustics® performance.

Use Drywall Grid SimpleSoffit™

soffit construction

or sloped

framing system for faster, easier

· Install on Armstrong® Drywall Grid

Systems, in any room, any size, flat,

KEY SELECTION ATTRIBUTES



- Look of drywall in a seamless acoustical ceiling and wall system (install on walls above 7 feet to prevent damage)
- Get total noise control and floor plan versatility with Total Acoustics® ceiling panel options: NRC + CAC = Total Acoustics performance
- Finished White ACOUSTIBuilt® panels are part of the Sustain® portfolio and meet the most stringent industry sustainability compliance standards today
- Smooth non-directional, monolithic, drywall-like visual
- Add a hint of color, tailored to your design palette
- Similar installation and finishing
 - methods to drywall ceilings

 CleanAssure™ family of products includes disinfectable panels, suspension systems, and trim
 - · Mold and mildew-resistant surface
 - ACOUSTIBuilt® is intended for spaces desiring a Level 4 equivalent drywall finish

- Easier to install than acoustical plaster at a lower cost
- Can be installed with most drywallcompatible light fixtures including those from our partners:
- Axis XAL
- USAI Price
- Improves STC of interior stud/drywall partition systems by up to 6 points

TYPICAL APPLICATIONS

- Offices
- Lobbies
- Education
- · Exposed Structure
- Retail
- Hospitality
- · Cloud Applications

FINE TEXTURE FINISH FOR ACOUSTIBuilt® PANELS



COLOR TINTS OF YOUR CHOICE



Available in any light color tone!

NOTE: Custom color tints should have an LRV (Light Reflectance Value) of 70 or greater. Custom ACOUSTIBuilt* fine texture finish colors will appear 1 to 2 shades darker than a standard paint color sample when applied due to the texture in the finish.



ACOUSTIBuilt®

Seamless Acoustical Ceiling and Wall System fine texture



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SUSTAIN High Performance Sustainable Ceiling Systems (white only)

GREENGUARD

Gold Certified (details below)

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5% RECYCLED CONTENT

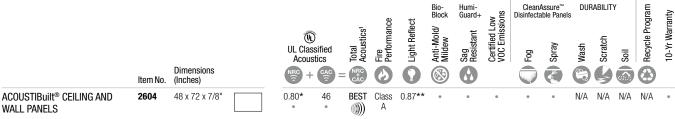
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Calculate sustainability with GreenGenie™

armstrongceilings.com/greengenie

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance (panel and grid).



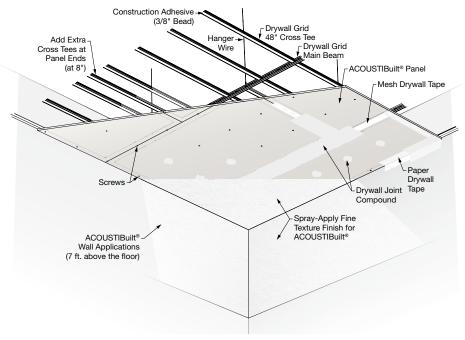
7/8" Tapered Edge on 4 Sides



- 1 Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound-blocking in one product.
- * Per ASTM C423 & E795, E-400 Mounting.

 ** White Fine Texture Finish panel performance following the installation instructions.

WALL-TO-WALL ASSEMBLY AND INSTALLATION OVERVIEW



ACOUSTICAL INFORMATION

Mounting Method

	Sabins/SF			
Cloud	0.80			
Cloud w/ infill 8200T10	1.33			
STC Rating***				
1 Side	2 Sides			
0.42	0.43			
•	•			

*** 3-5/8" metal studs with one layer of 5/8" drywall on both sides and ACOUSTIBuilt Panels on one or both sides

PHYSICAL DATA

Material

Wet-formed mineral fiber.

Fire Performance

Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread of 25 or less. Smoke Developed of 50 or less.

ASTM E1264 Classification

Type IV, Form 2, Pattern G Fire Class A

Humidity/Sag Resistance HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications

Anti-Mold/Mildew
Ceiling tiles with White Fine Texture Finish offer BioBlock®
performance and resist the growth of mold and mildew on the tile surface.

High Recycled Content Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

VOC Emissions GREENGUARD Gold Certified

Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the

guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES

Standard 189; ANSI/GBI Green Building Assessment Protocol.

Design and Lighting Considerations ACOUSTIBuilt® panels are intended for spaces desiring a Level 4 equivalent drywall finish. Critical lighting conditions such as grazing or side light are important to consider while specifying as they can accentuate any imperfections or visible joints.

Lighting and diffuser fixtures must be able to accommodate 7/8 Lighting and university into the adjoint of thick 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 standard installation practices. Refer to access panel manufacturer to verify compatibility with 7/8" thick panels.

Acoustical Considerations

When installed as a cloud, average sound absorption is 0.80 Sabins/SF. The addition of acoustical infill panel item 8200T10



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GOLD

can increase sound absorption up to 1.33 Sabins/SF. Excessive integrations and/or small enclosed spaces where the ceiling is more compound than open area will result in degradation of sound absorption. Certain lighting conditions and/or colors may require an additional coat of Fine Texture Finish, resulting in a degradation of sound absorption. ACOUSTIBuilt® panels absorb the most sound when installed as full panels. Plan the layout to minimize panel joints and fixture integrations which cover the surface of the ceiling.

Insulation Value R Factor – 2.2 (BTU Units) R Factor – 0.39 (Watts Units)

Cleaning and Disinfecting
Cleaning and CDC recommended disinfecting options available on armstrongceilings.com/cleaning

10-Year Panel Warranty
Details at armstrongceilings.com/acoustibuilt

Weight; Square Feet/Carton 2604 - 1.1lbs/SF; 240 SF/ctn Minimum Order Quantity

1 carton (10pcs)



Seamless Acoustical Ceiling and Wall System fine texture



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High Performance Sustainable Ceiling Systems (white only) **GREENGUARD**

Gold Certified (details below)



Calculate sustainability with GreenGenie™ armstrongceilings.com/greengenie

SUSPENSION SYSTEMS - Order Separately

303F LINGION 3131 LING — Order Separately					
Item No.		Description	Required for Install	Qty/Ctn	
HD8906	T.i.	12' HD Drywall Main Beam	Yes	12/144	
XL8945P	8333	4' Drywall Cross Tee	Based on layout	36/144	
KAM21020		2 x 2 x 120" Knurled Angle Molding (0.033" metal thickness)	Based on layout	10/100	



7891

SimpleSoffit™ L Soffit Upturn

12-gauge hanger wires

144" length

6-1/2 x 1-3/4 X 48-1/2"

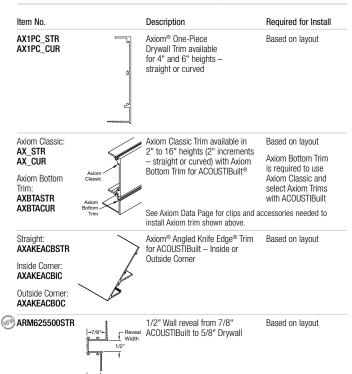
12/48

140 pcs

N/A

N/A

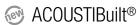
PERIMETER TRIM OPTIONS - Order Separately



ACOUSTIBuilt® FINE TEXTURE FINISH PAINT – Order Separately			r Separately	PLASTERFORM™ (GRG) ACCESS PANELS		
Item No.		Description	Required for Install	Item No.	Description	
2605WH		Fine Texture Finish for ACOUSTIBuilt® Panels (available in white and custom off-white tints)	For every 10 panels (240 SF) - order 1 pail (4 gal.) 200 SF on custom color applications	PF-15030B PF-15024B PF-15018B	30" x 30" Rounded Corner Access Panel 24" x 24" Rounded Corner Access Panel 18" x 18" Rounded Corner Access Panel	

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

Item No.		Description	Required for Install	Item No.	Description	Required for Install
Screws	Con Marie Con	# 6 x 1-5/8" fine thread, corrosion resistant drywall screws	Yes	Drying-Type Compound	Ready-mixed lightweight compound	Yes
	C SON NOW	# 6 x 1-5/8" coarse thread drywall screws (Used for Wall Installations)				
Setting-Type Compound		Fast-setting compound (hot mud)	Yes	Tape	Self-adhesive mesh drywall joint tape (for panel joints)	Yes
Adhesive (Required for all ceiling and wall installations.) Requires approx. seven 28 oz tubes of adhesive per 240 SF.		OSI® F38 Heavy Duty Drywall Adhesive or equivalent	Yes	Paper Tape	Paper drywall tape (For Corners)	Yes



Seamless Acoustical Ceiling and Wall System fine texture



SUSTAIN° High Performance Sustainable Ceiling Systems (white only) **GREENGUARD** Declare. Gold Certified (details below)



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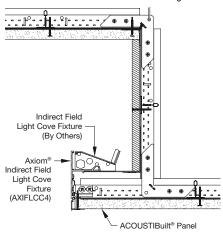
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LOCATION DEPENDENT

LIGHTING AND MEP INTEGRATION

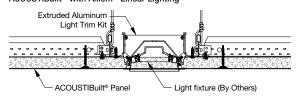
ACOUSTIBuilt® installed on Armstrong® Drywall Grid offers comparable compatibility to standard drywall and easily accommodates a wide variety of conventional and integrated lighting solutions from Armstrong lighting partners. Additional options include standard industry lighting that complements the module size, or pendant fixtures that hang below the ceiling system.

ACOUSTIBuilt® with Axiom® Indirect Field Light Cove

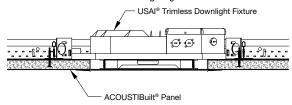




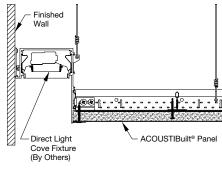
ACOUSTIBuilt® with Axiom® Linear Lighting



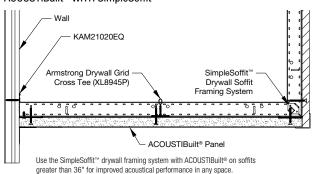
ACOUSTIBuilt® with Trimless Downlighting



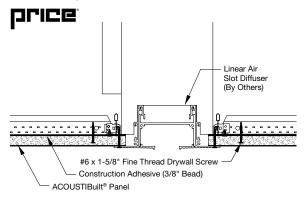
ACOUSTIBuilt® with Axiom® Direct Light Cove

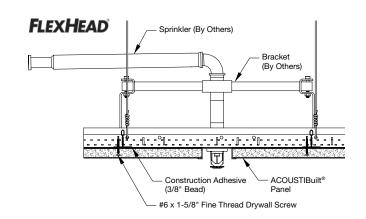


ACOUSTIBuilt® WITH SimpleSoffit™



MEP 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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Contacts - reps, where to buy, who will install

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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

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armstrongceilings.com/acoustibuilt

On the cover:

ACOUSTIBuilt® Seamless
Acoustical Ceiling System
Parker Poe Corporate Office
Charlotte, NC

