ULTIMATE
Design Flexibility

SoundScapes® Blades™ offers virtually unlimited design options. Your choice of shapes, depths, colors, and installation options.

SoundScapes® Blades™ panels offer many benefits:

- Three installation options for maximum design flexibility:
  - Attach to standard 15/16” suspension system
  - Suspend individually using a hanging kit
  - Direct-attach to both ceilings AND walls using Axiom® Wall Molding

- Hundreds of design combinations

- Reduce noise and define spaces

- Integrated hardware

- Available in White and 13 standard Colorations® colors or made-to-order Sherwin-Williams® colors

More Options = More Designs
Custom SoundScapes® Blades™ Rectangles in varying lengths and depths in White; Cornerstone Academy, Atlanta, GA; Chapman Coyle Chapman Architects, Marietta, GA
It’s all about THE LINES

Straight or wavy, intersecting or parallel, monochromatic or multi-colored — the design options with Blades™ are vast. Find a sampling of our favorite designs in perspective and plan view drawings on the next few pages.

Now, with three ways to install on ceilings and walls you have even more options. CAD/Revit® files on the web, and also available at Techline.
Straight Layout
24 x 7 x 0.8’ module with items 7244, 7248
Installation method
• Suspension System
• Direct-attach

Straight Layout
28 x 10 x 1.8’ module with items 7242, 7243, 7245
Installation method
• Suspension System
• Direct-attach
Straight Layout
20 x 11 x 1.8’ module with items 7241, 7242
Installation method
• Suspension System
• Direct-attach

Straight Layout
24 x 11 x 1.8’ module with items 3920, 7192, 3922
Installation method
• Suspension System
• Direct-attach
Straight Layout

24 x 11 x 1.8' module with items BP7246, BP7247

Installation methods
- Suspension System
- Direct-attach

Straight Layout

16 x 7 x 0.8' module with items BP7190, BP7246

Installation methods
- Suspension System
- Direct-attach
Horizontal Wave Layout
24 x 10 x 0.4’ module
with item BP7191
Installation methods
• Hanging Kit
• Direct-attach

Vertical Wave Layout
24 x 8 x 5.3’ module
with item BP7193
Installation methods
• Hanging Kit
Valley Layout
28 x 8 x 4.7’ module with
item 7193
Module
• Hanging Kit

Chandelier Layout
19 x 14 x 7.8’ module
with item 3923
Module
• Hanging Kit
Horizontal Shake Layout
32 x 16 x 0.8’ module
with item 3921
Module
• Hanging Kit
• Direct-attach

Sails Layout
16 x 17 x 0.8’ module
with item 7240
Module
• Direct-attach
Open-Cell Parallelogram Layout
28 x 32 x 1.3’ module with items 7192, 7193
Module
• Direct-attach

Open-Cell Convex Triangle –
22 x 23 x 0.8’ module with item 7241
Module
• Direct-attach
Checkerboard Layout
18 x 18 x 1.3’ module with item 7192
Module
• Direct-attach

Wavelength Checkerboard Layout
18 x 18 x 1.8’ module with item 7247
Module
• Direct-attach
Arrows Layout
20 x 14 x 0.4’ module
with item 7190
Module
• Direct-attach

Cross Layout
64 x 64 x 0.8’ module
with item 3921
Module
• Direct-attach
**Divergent Layout**

20 x 16 x 0.4’ module
with items 7190, 7191

Module
- Direct-attach

**Sunburst Layout**

22 x 10 x 0.8’ module
with items 7244, 7246

Module
- Direct-attach
SOUNDSCAPES® Blades™

**Vertical Panel Wave 4’ Wavelength**
94" Long 10" Deep

**Grouped Wave Layout**

45 x 32 x 0.8’ module
with item 7248

**Module**
- Direct-attach

- **Wide-Staggered Layout**

32 x 24 W, 1.3’ module
with item 7193

**Module**
- Hanging Kit
- Direct-attach
Sound absorption is measured in Sabins. A Sabin is the unit of total sound absorption provided by a “space absorber” such as a cloud, canopy, blade, or baffle installed within an architectural space.

**Acoustical absorption is important to:**
- Reduce noise levels and reverberation time
- Enhance speech intelligibility

**Reverberation Time (RT)**
Reverberation Time (RT) is the persistence of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small, hard-surfaced rooms are “louder” than large, well-treated rooms.

**Rules of thumb:**
Short RTs (< 1 sec) are preferred for high-quality speech intelligibility in classrooms and open plan office spaces.
Long RTs (> 1.4 sec) are preferred for lively acoustic environments such as auditoriums and hospitality.

Acoustical solutions, like Canopies, Clouds, Baffles or Blades™ vertical elements installed in a way that covers 8% to 50% of the ceiling, will provide significant reverberation time improvement since sound is absorbed from both the front and back of the panels. Blades are especially effective as the required ceiling coverage is much smaller to get the RT reduction because most of the surface area is vertical.

### Comparison: Exposed Structure Options Versus Continuous Ceiling

<table>
<thead>
<tr>
<th>Example:</th>
<th>Exposed Structure</th>
<th>Blades™ &amp; Baffles</th>
<th>Direct-To-Deck</th>
<th>Canopies &amp; Clouds</th>
<th>Continuous Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000 SF Exposed Structure (40' x 25'), 15' to deck, drywall with 20% window coverage and commercial carpet</td>
<td>No Treatment (0% Coverage)</td>
<td>SoundScapes® Blades (8% coverage)</td>
<td>InvisAcoustics™ (50% coverage)</td>
<td>SoundScapes® Shapes (50% coverage)</td>
<td>Continuous Optima® Ceiling (100% Coverage)</td>
</tr>
<tr>
<td>Ceiling</td>
<td>Exposed Structure</td>
<td>60 Blades (10 x 94 x 2&quot;)</td>
<td>62 Panels (24 x 48 x 3/4&quot;)</td>
<td>32 Shapes 48&quot; x 48&quot; Squares</td>
<td>Suspended 60&quot; Below Deck</td>
</tr>
<tr>
<td>Absorption</td>
<td>0</td>
<td>1.38 Sabins/ft²</td>
<td>0.75 NRC</td>
<td>1.49 Sabins/ft²</td>
<td>0.90 NRC</td>
</tr>
<tr>
<td>Reverberation Time (RT)</td>
<td>2.4 sec</td>
<td>0.8 sec</td>
<td>1.1 sec</td>
<td>0.8 sec</td>
<td>0.5 sec</td>
</tr>
<tr>
<td>Reverberation Time Improvement</td>
<td>–</td>
<td>67%</td>
<td>54%</td>
<td>67%</td>
<td>79%</td>
</tr>
<tr>
<td>Noise Reduction</td>
<td>–</td>
<td>-3.6 dB</td>
<td>-2.6 dB</td>
<td>-3.6 dB</td>
<td>-4.5 dB</td>
</tr>
</tbody>
</table>
SOUNDSCAPES® Blades™
Linear Acoustical Panels
smooth texture

Acoustical vertical panels reduce reverberation time in your space, now with three ways to install on ceilings and walls.

KEY SELECTION ATTRIBUTES
- Three installation options for maximum ceiling and wall design flexibility
  - From standard suspension system
  - From individual cable suspension
  - Direct-attach method using Axiom® Wall Molding
- Excellent acoustical absorption — 1.38 Sabins/ft²
- Twenty vertical panel sizes and shapes
- Linear, upscale visual
- Seismic-tested
- Integrated hardware
- Custom panel options available
- Custom colors within the Sherwin-Williams® color line
- Add scrim to top edge as a premium option

COLORS  Due to printing limitations, shade may vary from actual product.

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>WH</td>
</tr>
<tr>
<td>Shell</td>
<td>SH</td>
</tr>
<tr>
<td>Pale Lemon</td>
<td>PLM</td>
</tr>
<tr>
<td>Pecan</td>
<td>PC</td>
</tr>
<tr>
<td>Sky</td>
<td>SK</td>
</tr>
<tr>
<td>Moss</td>
<td>MS</td>
</tr>
<tr>
<td>Stone</td>
<td>ST</td>
</tr>
<tr>
<td>Reef</td>
<td>RE</td>
</tr>
<tr>
<td>Lagoon</td>
<td>LA</td>
</tr>
<tr>
<td>Plum</td>
<td>PM</td>
</tr>
<tr>
<td>Cranberry</td>
<td>CRN</td>
</tr>
<tr>
<td>Kiwi</td>
<td>KI</td>
</tr>
<tr>
<td>Tangerine</td>
<td>TG</td>
</tr>
<tr>
<td>Black</td>
<td>BK</td>
</tr>
</tbody>
</table>

Made-to-order Sherrin-Williams® Colors Available

To see coordinating Calla® panel colors, visit armstrongceilings.com/colorations.
For premium and custom capabilities, contact TechLine at 877 276-7876.
SOUNDSCAPES® Blades™
Linear Acoustical Panels
smooth texture

VISUAL SELECTION  Shown in elevation view

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Visuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>7190</td>
<td>Vertical panel</td>
<td>5 x 46 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>7191</td>
<td>Vertical panel</td>
<td>5 x 94 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>3920</td>
<td>Vertical panel</td>
<td>10 x 46 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>3921</td>
<td>Vertical panel</td>
<td>10 x 94 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>7192</td>
<td>Vertical panel</td>
<td>16 x 46 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>7193</td>
<td>Vertical panel</td>
<td>16 x 94 x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>3922</td>
<td>Vertical panel</td>
<td>22 x 46 x 2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where “S6” = scrimmed all sides.
* Add 2-letter color suffix to end of item number (e.g., 3920 W = White)
**SOUNDSCAPES® Blades™**
Linear Acoustical Panels
smooth texture

**VISUAL SELECTION** Shown in elevation view

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Visual</th>
</tr>
</thead>
<tbody>
<tr>
<td>3923_ _</td>
<td>Vertical panel</td>
<td>22 x 94 x 2”</td>
<td><img src="Diagram1.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7194_ _</td>
<td>Vertical panel Rectangular</td>
<td>28 x 46 x 2”</td>
<td><img src="Diagram2.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7195_ _</td>
<td>Vertical panel Rectangular</td>
<td>28 x 94 x 2”</td>
<td><img src="Diagram3.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7240_ _</td>
<td>Vertical panel 8’ Wavelength Concave</td>
<td>7.5 x 46 x 2”</td>
<td><img src="Diagram4.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7241_ _</td>
<td>Vertical panel 8’ Wavelength Convex</td>
<td>10.5 x 46 x 2”</td>
<td><img src="Diagram5.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7242_ _</td>
<td>Vertical panel 8’ Wavelength Concave</td>
<td>19.5 x 46 x 2”</td>
<td><img src="Diagram6.png" alt="Diagram" /></td>
</tr>
<tr>
<td>7243_ _</td>
<td>Vertical panel 8’ Wavelength Convex</td>
<td>22.5 x 46 x 2”</td>
<td><img src="Diagram7.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**NOTE:** Scrimmed top edges offered as “Premium.” EXAMPLE: BPSAS3920S6WH, where “S6” = scrimmed all sides.

* Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)
SOUNDSCAPES® Blades™
Linear Acoustical Panels
smooth texture

**VISUAL SELECTION** Shown in elevation view

**SOUNDSCAPES® Blades™ Vertical Panel Wave**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Class A</th>
</tr>
</thead>
<tbody>
<tr>
<td>7244_ _</td>
<td>Vertical panel 8&quot; Wavelength Wave</td>
<td>10.5 x 94 x 2&quot;</td>
<td>8.1 0.90</td>
</tr>
<tr>
<td>7245_ _</td>
<td>Vertical panel 8&quot; Wavelength Wave</td>
<td>22.5 x 94 x 2&quot;</td>
<td>18.9 0.90</td>
</tr>
<tr>
<td>7246_ _</td>
<td>Vertical panel 4&quot; Wavelength Wave</td>
<td>10 x 46 x 2&quot;</td>
<td>4.0 0.90</td>
</tr>
<tr>
<td>7247_ _</td>
<td>Vertical panel 4&quot; Wavelength Wave</td>
<td>22 x 46 x 2&quot;</td>
<td>9.3 0.90</td>
</tr>
<tr>
<td>7248_ _</td>
<td>Vertical panel 4&quot; Wavelength Wave</td>
<td>10 x 94 x 2&quot;</td>
<td>8.1 0.90</td>
</tr>
<tr>
<td>7249_ _</td>
<td>Vertical panel 4&quot; Wavelength Wave</td>
<td>22 x 94 x 2&quot;</td>
<td>18.9 0.90</td>
</tr>
</tbody>
</table>

**NOTE:** Scrimmed top edges offered as “Premium.” EXAMPLE: BPAS3920S6WH, where “S6” = scrimmed all sides.

* Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

**LEED®**
energy management
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reporting
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 sourcing of raw materials
low emitting/
lighting
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construction
waste mgmt
EPD
acoustics

Calculate LEED contribution at armstrongceilings.com/greengenie

71% RECYCLED CONTENT
SOUNDSCAPES® Blades™
Linear Acoustical Panels
smooth texture

CUSTOM PANEL DESIGN EXAMPLES

THREE WAYS TO INSTALL

INSTALLATION OPTIONS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Lin Ft/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301</td>
<td>HD Main Beam</td>
<td>240</td>
</tr>
<tr>
<td>XL7341</td>
<td>48&quot; Cross Tee</td>
<td>240</td>
</tr>
<tr>
<td>XL8320</td>
<td>24&quot; Cross Tee</td>
<td>120</td>
</tr>
<tr>
<td>7800</td>
<td>7/8&quot; Wall Angle</td>
<td>360</td>
</tr>
</tbody>
</table>

360°PAINTED GRID: Suspension system available in RAL® colors.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Lin Ft/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>56418</td>
<td>144&quot; HD Main Beam</td>
<td>240</td>
</tr>
<tr>
<td>730136</td>
<td>Black (BL) and White (WH) colors only</td>
<td>240</td>
</tr>
<tr>
<td>56421</td>
<td>48&quot; Cross Tee</td>
<td>240</td>
</tr>
<tr>
<td>XL34036</td>
<td>Black (BL) and White (WH) colors only</td>
<td>240</td>
</tr>
<tr>
<td>56419</td>
<td>24&quot; Cross Tee</td>
<td>120</td>
</tr>
<tr>
<td>XL732036</td>
<td>Black (BL) and White (WH) colors only</td>
<td>120</td>
</tr>
<tr>
<td>7800</td>
<td>7/8&quot; Wall Angle</td>
<td>360</td>
</tr>
<tr>
<td>780036</td>
<td>Black (BL) and White (WH) colors only</td>
<td>360</td>
</tr>
</tbody>
</table>

* When specifying or ordering items with a color, add the two-letter suffix to the end of the item number (e.g. 7301BL).

DIRECT-ATTACH WITH AXIOM WALL MOLDING

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXM34STR3</td>
<td>Straight Wall Molding – Shadow 10'</td>
<td>360 Paint Recommended; order by the piece</td>
</tr>
</tbody>
</table>

INDIVIDUAL SUSPENSION USING HANGING KIT

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP6655</td>
<td>4-Point Hanging Kit</td>
<td>4 per bag</td>
</tr>
</tbody>
</table>

ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBRKT</td>
<td>Adjustable Hanger Bracket</td>
<td>80</td>
</tr>
<tr>
<td>QSUTC</td>
<td>Rigid Attachment Clip</td>
<td>150</td>
</tr>
<tr>
<td>STAC</td>
<td>Single Tee Adapter Clip</td>
<td>120</td>
</tr>
</tbody>
</table>
**PHYSICAL DATA**

**Material**
2” thick fiberglass with DuraBrite® scrim on face and sides.

**Surface Finish**
DuraBrite scrim with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Top of panel is unfinished with embedded hanging clips.

**Fire Performance**
SoundScapes® Blades™ panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.
CAN/ULC S102 surface burning characteristics, Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Blades panels, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

**Acoustical Performance**
1.38 Sabins per square foot or 64% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Blades™ colored panels have slightly reduced acoustical performance.

**Design Considerations**
SoundScapes® Blades™ panels maintain a natural bow that may be noticeable when installed 2” or less apart. Deflection up to 1/8” has been documented in some cases. Special care in installation and handling must be taken with color panels to avoid surface damage to the paint finish. Custom colors are available with a Sherwin-Williams® color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _).

5” SoundScapes Blades can now be used on walls, but are not recommended for use in high-traffic or high-impact areas. For best results, install above 6” from floor level.

**Seismic Restraint**
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

**Recommended Suspension Systems**
SoundScapes Blades panels are pre-assembled with metal hanging clips in the top of the panels. See Installation Instructions BPLA-297844 for installation details.

**Warranty**
Details at armstrongceilings.com

**Panel Weight**
- 7190 – 1.6 lbs per panel
- 7191 – 3.3 lbs per panel
- 3920 – 3.2 lbs per panel
- 3921 – 6.5 lbs per panel
- 7192 – 10.1 lbs per panel
- 7193 – 10.4 lbs per panel
- 3922 – 7.0 lbs per panel
- 3923 – 14.4 lbs per panel
- 7194 – 8.9 lbs per panel
- 7195 – 18.3 lbs per panel
- 7196 – 18.3 lbs per panel
- 7240 – 2.9 lbs per panel
- 7241 – 3.5 lbs per panel
- 7242 – 6.7 lbs per panel
- 7243 – 7.2 lbs per panel
- 7244 – 5.9 lbs per panel
- 7245 – 13.7 lbs per panel
- 7246 – 3.2 lbs per panel
- 7247 – 7.0 lbs per panel
- 7248 – 6.5 lbs per panel
- 7249 – 14.4 lbs per panel

**Panels/Carton**
4

**Minimum Order Quantity**
1 carton
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

armstrongceilings.com/commercial
Latest product news
Standard and custom product information
Online catalog
CAD, Revit®, SketchUp® files
A Ceiling for Every Space® Visual Selection Tool
Reverberation Calculator
Product literature and samples – express service or regular delivery
Contacts – reps, where to buy, who will install

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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

Cover: Custom SoundScapes® Blades™ in White and custom colors
Inset: SoundScapes Blades panels in 4’ Wavelength Waves in White

Inspiring Great Spaces®