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

SoundScapes® Blades™ Rectangles 22’ custom lengths in White Renaissance Bluffs at Polo Legacy West Hotel, Plano, TX
Architect: Looney & Associates, Dallas, TX
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.

1. Direct-attach method using Axiom® Wall Molding
2. Individual suspension using hanging kit
3. Attach to standard suspension system

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2. Individual suspension using hanging kit
3. Attach to standard suspension system
SOUNDSCAPES® Blades™

Straight Layout
24 x 11 x 1.8’ module with items BP7246, BP7247
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

**Horizontal Shake Layout**
32 x 16 x 0.8" module with item 3921
- Module
  - Hanging Kit
  - Direct-attach

**Chandelier Layout**
19 x 14 x 7.8" module with item 3923
- Module
  - Hanging Kit

**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

Vertical Panel Rectangular 46’ Long 16” Deep

Vertical Panel Rectangular 44’ Long 16” Deep

Open-Cell Convex Triangle –
22 x 23 x 0.8’ module with item 7241
Module
• Direct-attach

Vertical Panel Convex 8’ Wavelength 46’ Long 10” Deep

Checkerboard Layout
16 x 16 x 1.3’ module with item 7192
Module
• Direct-attach

Vertical Panel Rectangular 46’ Long 16” Deep

Vertical Panel Wave 4’ Wavelength 46” Long 22” Deep

Wavelength Checkerboard Layout
18 x 18 x 1.8’ module with item 7247
Module
• Direct-attach

Module
• Direct-attach
SOUNDSCAPES® Blades™

Arrows Layout
20 x 14 x 0.4’ module with item 7190
Module • Direct-attach

Divergent Layout
20 x 16 x 0.4’ module with items 7190, 7191
Module • Direct-attach

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

Sunburst Layout
22 x 10 x 0.8’ module with items 7244, 7246
Module • 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.

SoundScapes® Blades™ panels in White provide 1.38 Sabins/ft²

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>No Treatment (0% Coverage)</td>
<td>SoundScapes® Blades (8% coverage)</td>
<td>InvisAcoustics™ (80% coverage)</td>
<td>SoundScapes® Shapes (50% coverage)</td>
<td>Continuous Optima® Ceiling (100% Coverage)</td>
<td></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>67%</td>
<td>34%</td>
<td>67%</td>
<td>67%</td>
<td>79%</td>
</tr>
<tr>
<td>Noise Reduction</td>
<td>-3.6 dB</td>
<td>-2.6 dB</td>
<td>-3.6 dB</td>
<td>-4.5 dB</td>
<td></td>
</tr>
</tbody>
</table>
SOUNDSCAPES® Blades™
Linear Acoustical Panels
smooth texture

plus... capabilities to do more

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

KEYSELECTION 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)


To see coordinating Calla® panel colors, visit armstrongceilings.com/colorations.

SOUNDSCAPES® Blades™ Vertical Panel Rectangular

**SOUNDSCAPES® Blades™ Vertical Panel Rectangular**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Light Reflect</th>
<th>Fire Rating</th>
<th>Anti-Mold  &amp; Mildew</th>
<th>Sag Resist</th>
<th>Wash Impact</th>
<th>Scratch Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>7180 _</td>
<td>Vertical panel</td>
<td>5 x 46 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7181 _</td>
<td>Vertical panel</td>
<td>5 x 94 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3920 _</td>
<td>Vertical panel</td>
<td>10 x 46 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3921 _</td>
<td>Vertical panel</td>
<td>10 x 94 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7192 _</td>
<td>Vertical panel</td>
<td>16 x 46 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7193 _</td>
<td>Vertical panel</td>
<td>16 x 94 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3922 _</td>
<td>Vertical panel</td>
<td>22 x 46 x 2”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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 H = White).

Visually select shown in elevation view
Performance dots represent high level of performance.

Armorceilings.com/capabilities See more photos at: armorceilings.com/photogallery
### Visual Selection

- **Show in elevation view**

### Performance

- Data represents high level of performance.

### Item No. | Description | Dimensions (inches) | Location Dependent | Flame Spread | Smoke Developed | Sound | Thermal | Cleanability | Cost

<table>
<thead>
<tr>
<th><strong>Soundscapes® Blades™ Vertical Panel Wave</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7243.1</td>
</tr>
<tr>
<td>7141</td>
</tr>
<tr>
<td>7142</td>
</tr>
<tr>
<td>7242</td>
</tr>
<tr>
<td>7243</td>
</tr>
<tr>
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<td>7245</td>
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<td>7247</td>
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<td>7248</td>
</tr>
<tr>
<td>7249</td>
</tr>
<tr>
<td>7250</td>
</tr>
<tr>
<td>7251</td>
</tr>
</tbody>
</table>

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

- Add 2-letter color suffix to end of item number (e.g., 2020 W = White)
### INSTALLATION OPTIONS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Lin Ft/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7091</td>
<td>24&quot; Cross Tee</td>
<td>120</td>
</tr>
<tr>
<td>7092</td>
<td>144&quot; HD Main Beam</td>
<td>240</td>
</tr>
<tr>
<td>7093</td>
<td>48&quot; Cross Tee</td>
<td>240</td>
</tr>
<tr>
<td>7094</td>
<td>7800 Wall Angle</td>
<td>360</td>
</tr>
<tr>
<td>7095</td>
<td>5/8&quot; Wall Angle</td>
<td>360</td>
</tr>
</tbody>
</table>

#### THREE WAYS TO INSTALL

1. **Attachment to Suspension System**
2. **Individual Suspension Using Hanging Kit**
3. **Direct-Attach Method Using Axiom Wall Molding**

### INDIVIDUAL SUSPENSION USING HANGING KIT

<table>
<thead>
<tr>
<th>BP088</th>
<th>4 Point Hanging Kit</th>
<th>4 per bag</th>
</tr>
</thead>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>AIRBRKT</th>
<th>Adjustable Hanger Bracket</th>
<th>80</th>
</tr>
</thead>
<tbody>
<tr>
<td>GW07C</td>
<td>Rigid Attachment Clip</td>
<td>110</td>
</tr>
<tr>
<td>STAC</td>
<td>Single Tee Adapter Clip</td>
<td>120</td>
</tr>
</tbody>
</table>

### DESIGN CONSIDERATIONS

- **SoundScapes® Blades™** panels maintain a natural look that may be noticeable when installed 2" or less apart. Deflection up to 0.08" has been documented in some cases. Panels are not recommended for use in high-stress areas. For best results, install above 6' from floor level.

- **SoundScapes® Blades™** panels are pre-assembled with metal clips. Use of clips on the face panels can avoid surface damage in the panel finish. Custom colors are available with a Spectra® Flame Retardant® color code from the Duration® or Harmony® flat interior paint families (Grade 01, 02, 03, 04).

### PHYSICAL DATA

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
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<tr>
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</tr>
<tr>
<td>Acoustic Performance</td>
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</tr>
<tr>
<td>Design Considerations</td>
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<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>Details at armstrongceilings.com</td>
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</tr>
</tbody>
</table>
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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Reverberation Calculator
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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®