With FeltWorks® Open Cell, you redefine the visual plane while adding acoustics to interiors. Available in ready-to-install kits that provide custom looks and depth to your space.

► Reduce noise and define spaces
► High sound absorption – 0.80 NRC (E-400 Mounting)
► Install kits individually or interlink for wall-to-wall visual
► Part of the Sustain® portfolio; meets the most stringent industry sustainability standards today
► 15 standard colors
► No need to field-finish cut edges with color throughout panels

Reach the Summit
Drama With DIMENSION

FeltWorks® Open Cell kits are available in 3 designs: Ebbs & Flows, Peaks & Valleys, and Rectangular panels (6" or 12" depths).

Multiple kits layout sizes are available for each design; 96” x 96”, 48 x 96”, 96” x 48” and 48” x 48”. The kits can be installed as individual square or rectangular clouds or interlinked to create a wall-to-wall installation.
FELTWORKS® Open Cell

Panel Identification Numbers

FeltWorks Open Cell kits are made up of 3 different types of panels: Bottoms, Mids, and Tops. The difference between these panels is the direction their slots go in and the order they get installed — Bottoms get installed first, then your Mids, and lastly the Tops.

Each panel will have a 2-digit ID Number which includes a letter (B, M, or T) to designate between panel type, along with a number printed in line with the furthest most left factory-cut slot of the panel. Use this numbering system in conjunction with your layout plan to determine the correct orientation of panels in your overall design.

Panel ID numbers located on the left-most slot

Bottoms:
- 96” Bottom : B1
- 48” Bottom-Down : B2
- 48” Bottom-Up : B3

Mids – Depth 1:
- 96” Mid-Depth 1 : M1
- 48” Mid-Depth 1-Down : M3
- 48” Mid-Depth 1-Up : M5

Mids – Depth 2:
- 96” Mid-Depth 2 : M2
- 48” Mid-Depth 2-Down : M4
- 48” Mid-Depth 2-Up : M6

Tops:
- 96” Top : T1
- 96” Top-Down : T2
- 96” Top-Up : T3

View Ceiling Plan Drawing >
FELTWORKS® Open Cell

Hanging Points

Your Hanging points will always be 24” O.C. in the direction of your Bottom & Top panels. They will be a pattern of 36” and 12” in the other direction - parallel to your Mids.

Make sure your hanging point starts 12” or more from the wall in the direction of the Bottoms and Tops and 6” or more away from the wall in the direction of your Mids. Open Cell Panels, once installed, will hang past those hanging points.
FELTWORKS® Open Cell

Cloud Installation

Open Cell installations are made up of three different types of panels: Bottoms, Mids, and Tops. The difference between these panels is the directions their slots go in and the order in which they get installed.

Four Key Steps to Install Open Cell Kits:

Step 1: Attach Hanging Kits to Deck

View Ceiling Plan Drawing >
FELTWORKS® Open Cell

Cloud Installation

Step 2: Attach Bottom Panels to Hanging Kits

Step 3: Insert Mids Perpendicular to Bottom Panels

Step 4: Insert Top Panels Parallel to Bottoms
FELTWORKS® Open Cell

Wall-to-Wall Installation

Start at one end of your installation area and alternate between 8ft and 4ft panels every other row. The pattern of panels in this direction is Bottom, Top, Top, Bottom.

Next, fill in the rest of your field with 8ft panels, still following the pattern of Bottom, Top, Top, Bottom.

Fill in 4ft panels at the other end of the installation. Still keep in mind your pattern of Bottom, Top, Top, Bottom.
FELTWORKS® Open Cell

Wall-to-Wall Installation

Next, start at the top of your installation and lay out your Mids perpendicular to your Tops and Bottoms alternating 8ft and 4ft panels every other row. It should be only Mids in this direction.

Fill in the rest of your field with 8ft Mids.

Lastly, place 4ft Mid panels to fill in the end of your installation.
FELTWORKS® Open Cell

Panel Orientation:

In both Peaks & Valleys and Ebbs & Flows installations, it’s important to keep the correct depth panels in line with one another so the pattern design looks correct. For example B1, B2, and B3 panels will always be installed in the same row as one another. They will never be in the same row as a different type of panel. Similarly M1, M3, and M5 panels will always be in the same row, M2, M4, and M6 panels will always be in the same row, and T1, T2, and T3 panels will be in the same row.

Refer to the key below – which shows the different types of panels that should go in the same row as one another.

<table>
<thead>
<tr>
<th>8ft</th>
<th>4ft</th>
<th>4ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>B2</td>
<td>B3</td>
</tr>
<tr>
<td>M1</td>
<td>M3</td>
<td>M5</td>
</tr>
<tr>
<td>M2</td>
<td>M4</td>
<td>M6</td>
</tr>
<tr>
<td>T1</td>
<td>T2</td>
<td>T3</td>
</tr>
</tbody>
</table>

In Rectangular installations, B1 & B2 panels will always be installed in the same row, M1 & M2 panels will always be in the same row, and T1 & T2 panels will be in the same row.

View Ceiling Plan Drawing >
**FELTWORKS® Open Cell**

**Panel Orientation: Ebbs & Flows and Peaks & Valleys**

With Ebbs & Flows and Peaks & Valleys kit installations, you need to keep in mind the up and down pattern when laying out your panels. Panels with an asterisk next to them need to be flipped 180 degrees during installation to make sure the up and down part of the panel are in the correct orientation.

---

View Ceiling Plan Drawing >
**Field Cutting**

Panels have color throughout and may be field cut to install around obstructions, etc. in the plenum, however panels should not have an unsupported overhang over 12”. Cuts should be no closer than 1/2” to the nearest supporting slot or hole. Panels must have at least 2 supports. Both a downward facing slot and a hole for a hanging point count as a support.

### Field Cutting Diagram

#### Bottoms:

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔️ 2 supports</td>
<td>✗ 1 hanging point</td>
</tr>
<tr>
<td>✔️ cuts are less than 12” from supports</td>
<td>✗ cuts more than 12” from support</td>
</tr>
</tbody>
</table>

#### Mids:

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔️ 3 slots in bottom edge of panel</td>
<td>✗ right cut edge closer than .5” from nearest slot</td>
</tr>
<tr>
<td>✔️ cut edges are more than .5” away from slot</td>
<td>✗ cut is more that 12” from nearest support</td>
</tr>
</tbody>
</table>

#### Top:

<table>
<thead>
<tr>
<th>Yes</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔️ 2 slots in bottom edge of panel</td>
<td>✔️ 3 slots in bottom edge of panel</td>
</tr>
<tr>
<td>✔️ right cut edges is less than .5” away from slot</td>
<td>✔️ right cut is more than .5” from nearest slot</td>
</tr>
</tbody>
</table>
FELTWORKS® Open Cell

Estimating Kit Quantities

In places where half or more of the S8 kit would be cut off, replace with R4, R8, or S4 kits as shown.

Kit Dimensions

```
    R4
     |
     |
     |
    S8
```

```
    S4
     |
     |
     |
     R8
```

20’ x 20’ Room Example

Step 1: Start by filling in the room with S8 kits.

```
  S8   S8
  S8   S8
  S8   S8
  S8   S8
```

Step 2: Place two R4 kits, one S4 kit, and two R8 along the edges to fill in the space.

```
  S8   S8   R4
  S8   S8   R4
 R8   R8   S4
```

Full room kit quantities:
- 4 S8 kits
- 2 R4 kits
- 2 R8 kits
- 1/2 S4 kit (1 of 2 used)

16’ x 16’ Room Example

Step 1: Fill in the room with S8s

```
 S8   S8
 S8   S8
 S8   S8
 S8   S8
```

In this example, filling a room with just S8 kits would not be correct, since we need 4ft kits to stagger panels properly.

Step 2: Place R4 kits along one edge of room.

```
 S8   S8   1/2S8   R4
 S8   S8   1/2S8   R4
```

To fix this we should start by replacing the S8 kits with R4 kits along one edge of the room.

Step 3: Place R8 kits along the bottom edge of room.

```
 S8   1/2S8   R4
 1/2S8   R4
```

Next, replace S8 kits with R8 kits along the bottom edge.

```
 R8   R8   R4
```

*Note: since the R4 & R8 overlap here, they make up for the empty space showing.

Full room kit quantities:
- 2 S8 kits
- 2 R4 kits

View Ceiling Plan Drawing >
FELTWORKS® Open Cell

Estimating Kit Quantities

Non-Square Room Example

Step 1: Start by filling in the room with S8 kits.

In places where half or more of the S8 kit would be cut off, replace with R4, R8 or S4 kits as shown.

…but this isn’t finished yet. We still need 4ft kits added where the arrows are indicating to stagger panels properly.
FELTWORKS® Open Cell

Estimating Kit Quantities

Non-Square Room Example

Step 2: Replace S8 kits with R4s, R8s, and S4s as shown.

Full room kit quantities:

- 14.5 S8 kits
- 4 R4 kits
- 4 R8 kits
- 1 S4 kit (2 total)
FeltWorks® Open Cell Acoustical Panels

KEY SELECTION ATTRIBUTES

- Kits available in 3 designs: Ebbs & Flows, Peaks & Valleys, and Rectangular panels (6" or 12" depths)
- Kits can be installed as individual square or rectangular clouds, or interlinked to create a wall-to-wall installation
- FeltWorks® Open Cell panels are part of the Sustain® portfolio and meet the most stringent industry sustainability standards today
- High sound absorption — 0.80 NRC (E-400 Mounting)
- Made from up to 60% post-consumer recycled PET fibers
- Get custom looks from standard products using easy-to-specify-and-order kits with short lead times
- No need to field-finish cut edges with color throughout panels
- Installation on the Hanging Kit (Item 6655) allows for panel removal to create a 24" x 36" opening for access into the plenum

COLORS

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

- Cotton (FCN)
- Whisper (FWR)
- Flannel (FFL)
- Smoke (FSE)
- Shadow (FSS)
- Midnight (FMN)
- Wheat (FWT)
- Mocha (FMO)
- Celestial (FCL)
- Elderberry (FEL)
- Iris (FIS)
- Highland (FHL)
- Buttercup (FBC)
- Tangerine (FTE)
- Apple (FAP)
- Smoke (FSE)
- Shadow (FSS)

DETAILS

Hanging Kit (Item 6655) assembly detail
## FELTWORKS® Open Cell

### Acoustical Panels

#### STANDARD KITTED MODULE OPTIONS

**S8 Ebbs & Flows Open Cell Kit**

![Diagram of S8 Ebbs & Flows Open Cell Kit]

**R4 or R8 Ebbs & Flows Open Cell Kit**

![Diagram of R4 or R8 Ebbs & Flows Open Cell Kit]

#### VISUAL SELECTION

**Edge Profile** | **Item No.** | **Description** | **Kit Nominal Dimensions**<br>**<br>**(W x L x D)** | **Top & Bottom Panel Length** | **Mid Panel Length** | **Panels per Kit** | **SF of Installed Space**
--- | --- | --- | --- | --- | --- | --- | ---
**Ebbs & Flows Open Cell Kits**

| Ebbs & Flows Open Cell Kit | 6532KOE09S4 | S4 Ebbs & Flows Open Cell Kit (kit includes two 48" x 48" assemblies) | 48 x 48 x 9" | 48" | 48" | 8 | 16 |
| R4 Ebbs & Flows Open Cell Kit | 6532KOE09R4 | 48 x 96 x 9" | 48" | 96" | 12 | 32 |
| R8 Ebbs & Flows Open Cell Kit | 6532KOE09R8 | 96 x 48 x 9" | 96" | 48" | 12 | 32 |
| S8 Ebbs & Flows Open Cell Kit | 6532KOE09S8 | 96 x 96 x 9" | 96" | 96" | 16 | 64 |

**S8 Peaks & Valleys Open Cell Kit**

![Diagram of S8 Peaks & Valleys Open Cell Kit]

**R4 or R8 Ebbs & Flows Open Cell Kit**

![Diagram of R4 or R8 Ebbs & Flows Open Cell Kit]

#### VISUAL SELECTION

**Edge Profile** | **Item No.** | **Description** | **Kit Nominal Dimensions**<br>**<br>**(W x L x D)** | **Top & Bottom Panel Length** | **Mid Panel Length** | **Panels per Kit** | **SF of Installed Space**
--- | --- | --- | --- | --- | --- | --- | ---
**Peaks & Valleys Open Cell Kits**

| Peaks & Valleys Open Cell Kit | 6532KOP09S4 | S4 Peaks & Valleys Open Cell Kit (kit includes two 48" x 48" assemblies) | 48 x 48 x 9" | 48" | 48" | 8 | 16 |
| R4 Peaks & Valleys Open Cell Kit | 6532KOP09R4 | 48 x 96 x 9" | 48" | 96" | 12 | 32 |
| R8 Peaks & Valleys Open Cell Kit | 6532KOP09R8 | 96 x 48 x 9" | 96" | 48" | 12 | 32 |
| S8 Peaks & Valleys Open Cell Kit | 6532KOP09S8 | 96 x 96 x 9" | 96" | 96" | 16 | 64 |

*When specifying or ordering, add 3-letter color suffix to item number.*

**NOTE:** All panels in a kitted module must be the same color. A 1/4" gap exists between the ends of panels for best visual.

For custom shapes, sizes, and layouts, contact ASQuote@armstrongceilings.com

See the FeltWorks® Open Cell Design Guide for easy ways to create custom looks using standard products.

TechLine 877 276-7876

armstrongceilings.com/feltworks
### STANDARD KITTED MODULE OPTIONS

#### S8 Rectangles 6" Depth Open Cell Kit

![Diagram of S8 Rectangles 6" Depth Open Cell Kit]

#### R4 or R8 Rectangles 6" Depth Open Cell Kit

![Diagram of R4 or R8 Rectangles 6" Depth Open Cell Kit]

#### S8 Rectangles 12" Depth Open Cell Kit

![Diagram of S8 Rectangles 12" Depth Open Cell Kit]

#### R4 or R8 Rectangles 12" Depth Open Cell Kit

![Diagram of R4 or R8 Rectangles 12" Depth Open Cell Kit]

### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Description</th>
<th>Kit Nominal Dimension (W x L x D)</th>
<th>Top &amp; Bottom Panel Length</th>
<th>Mid Panel Length</th>
<th>Panels per Kit</th>
<th>SF of Installed Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4 Rectangles Open Cell Kits</td>
<td>6532KOR06S4</td>
<td>S4 Rectangles 6&quot; Depth Open Cell Kit (Kit includes two 48&quot; x 48&quot; assemblies)</td>
<td>48 x 48 x 6&quot;</td>
<td>48&quot;</td>
<td>46&quot;</td>
<td>8</td>
<td>16</td>
</tr>
<tr>
<td>R4 Rectangles 6&quot; Depth Open Cell Kit</td>
<td>6532KOR06R4</td>
<td>48 x 96 x 6&quot;</td>
<td>48&quot;</td>
<td>96&quot;</td>
<td>64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R8 Rectangles 6&quot; Depth Open Cell Kit</td>
<td>6532KOR06R8</td>
<td>96 x 48 x 6&quot;</td>
<td>96&quot;</td>
<td>48&quot;</td>
<td>64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S8 Rectangles 6&quot; Depth Open Cell Kit</td>
<td>6532KOR06S8</td>
<td>96 x 96 x 6&quot;</td>
<td>96&quot;</td>
<td>96&quot;</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4 Rectangles 12&quot; Depth Open Cell Kit</td>
<td>6532KOR12S4</td>
<td>48 x 48 x 12&quot;</td>
<td>48&quot;</td>
<td>48&quot;</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R4 Rectangles 12&quot; Depth Open Cell Kit</td>
<td>6532KOR12R4</td>
<td>48 x 96 x 12&quot;</td>
<td>48&quot;</td>
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</tr>
</tbody>
</table>

* When specifying or ordering, add 3-letter color suffix to item number.

**NOTE:** All panels in a kitted module must be the same color. A 1/4" gap exists between the ends of panels for best visual.

For custom shapes, sizes, and layouts, contact ASQuote@armstrongceilings.com

See the FeltWorks® Open Cell Design Guide for easy ways to create custom looks using standard products.

---

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Step 2: Attach Bottom Panels to Hanging Kits

Acoustical Panels

FELTWORKS® Open Cell

LAYOUT DETAILS/INSTALLATION DETAILS

FeltWorks Open Cell panels are not approved for exterior application.

Due to the nature of recycled materials, small dark fibers may be visible on light panels.

Application Considerations

Color and texture may vary from panel to panel and from order to order. Adequate attic stock should be ordered. Due to the nature of recycled materials, small dark fibers may be visible on light panels.

FeltWorks Open Cell panels are not approved for exterior application.

Performance

Dots represent high level of performance.

Suspension Systems

Suspending System

FeltWorks Open Cell panels should not be installed near sources of heat greater than 158 degrees F.

Design Support

Contact the You Inspire™ Solutions Center for custom layouts at solutionscenter@armstrongceilings.com. Contact Techline for layout assistance for standard products and kits.

Acoustical Performance

Tested per ASTM C423 and mounted in accordance with ASTM E795. NRC of 0.80 based on E-400 mounting.

Contact Techline for details at techline@armstrongceilings.com

VOC Emissions

GREENGUARD Gold Certified


Installation Considerations

Any fixtures adjacent to FeltWorks Open Cell panels must be independently supported.

Seismic Restraint

FeltWorks Open Cell panels have been engineered, tested, and approved for use in all seismic areas. See installation instructions for details.

Warranty

Details at armstrongceilings.com

Weight: Pieces/Carton 0.33 lb/SF

Custom quantities available, contact ASQuote@armstrongceilings.com

Physical Data

Material

1/4" thick non-woven layered and formed polyester felt (PET) fiber panels with color throughout.

Fire Performance

Flame Spread Index 25 or less. Smoke Developed Index 450 or less. Class A per ASTM E84.

CANULC S102 surface burning characteristics. Flame Spread Rating of 75 or less. Smoke Developed Classification of 105.

FeltWorks Open Cell panels, as with other architectural felt (PET) fiber panels with color throughout.

For more information visit armstrongceilings.com/feltworks

TechLine 877 276-7876

armstrongceilings.com/feltworks
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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Collaborative design
Detail drawings
Specifications
Planning and budgeting

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

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FeltWorks® Open Cell

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