

# ecoustic® Baffles

High performance acoustic ceiling system  
designed for vertical, horizontal & angular suspension



ecoustic® Baffle Banner

unika vaev

Hear yourself think®



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ecoustic® Baffle is a high performance, patented ceiling system featuring sound-absorbing panels designed for vertical, horizontal and angular suspension, ideal for large spaces and also interiors with limited wall space. ecoustic® Baffle Incline shown.



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ecoustic® Baffle Banner

# Features + Benefits

- The ecooustic® Baffle system can be customized to any
- architectural context and is also available in four baffle
- designs, ranging from understated simplicity to dramatic
- sculptural shapes
- Achieves superior acoustic performance
- Ideal for ceiling and wall applications, in particular large spaces and interiors with limited wall space
- The baffles are produced in Australia with our ecooustic® Solid Color panels, providing flexibility in acoustic performance and aesthetics
- ecooustic® Solid Color features a uniform exposed profile edge and is available in up to 20 colors
- The baffles are available with or without our patented suspension systems
- Six suspension system options are available depending on your interior space
- Baffle extrusions are available in either natural anodized aluminum or black powder coat finish
- Achieves the highest NCC/BCA Group 1 fire rating
- Designed for the environment, ecooustic® Baffles are low-VOC with Oeko Tex certification.

# Designs

Architects and interior designers can create their own unique designs with the ecooustic® Baffle system to achieve an acoustic solution tailored to an interior project.

ecooustic® Baffle is also available in seven baffle designs, from understated simplicity to dramatic sculptural shapes.

ecooustic® Baffle is fabricated to client specification with dimensions up to 106  $\frac{5}{16}$ " lengths and depths from 3  $\frac{15}{16}$ " - 47  $\frac{1}{4}$ ".

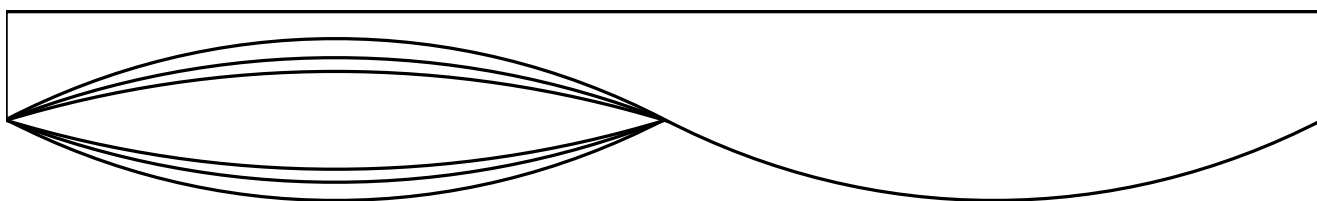


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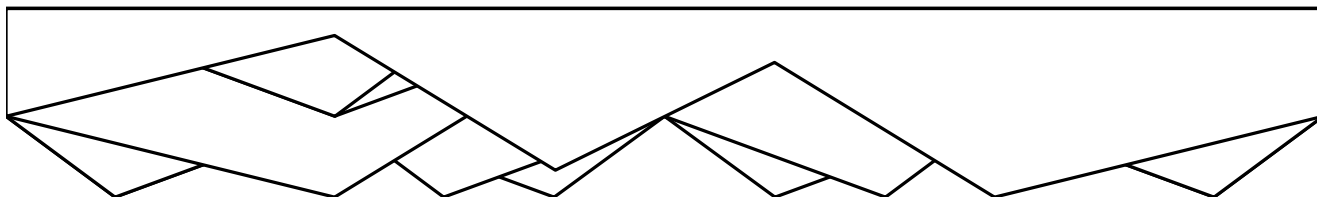
Banner



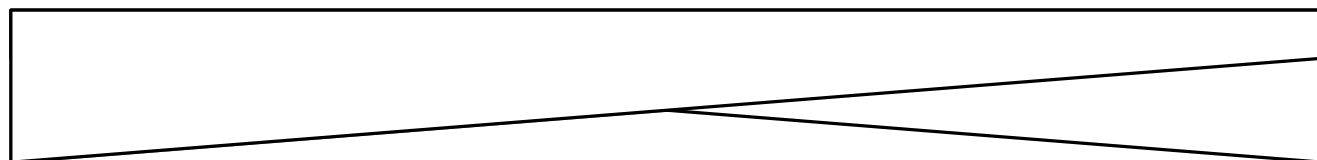
Ebb



Apex



Incline



## Customization

ecooustic® Baffle is highly versatile and can be customized to any architectural context.

Working with our inhouse design studio, you can create your own unique baffle design to achieve an acoustic solution tailored to your interior project.

Custom shapes and sizes can be cut into each baffle using Unika Vaev's fabrication process.

The option of custom prints is also available to further enhance the baffle designs.

Please contact your local representative for more information on creating custom designs with ecooustic® Baffle.

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Custom ecooustic® Baffle  
Uber by Geyer Architects + District Furniture  
Photography: Dion Robertson



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ecoustic® Baffle Ebb

# Superior Acoustics

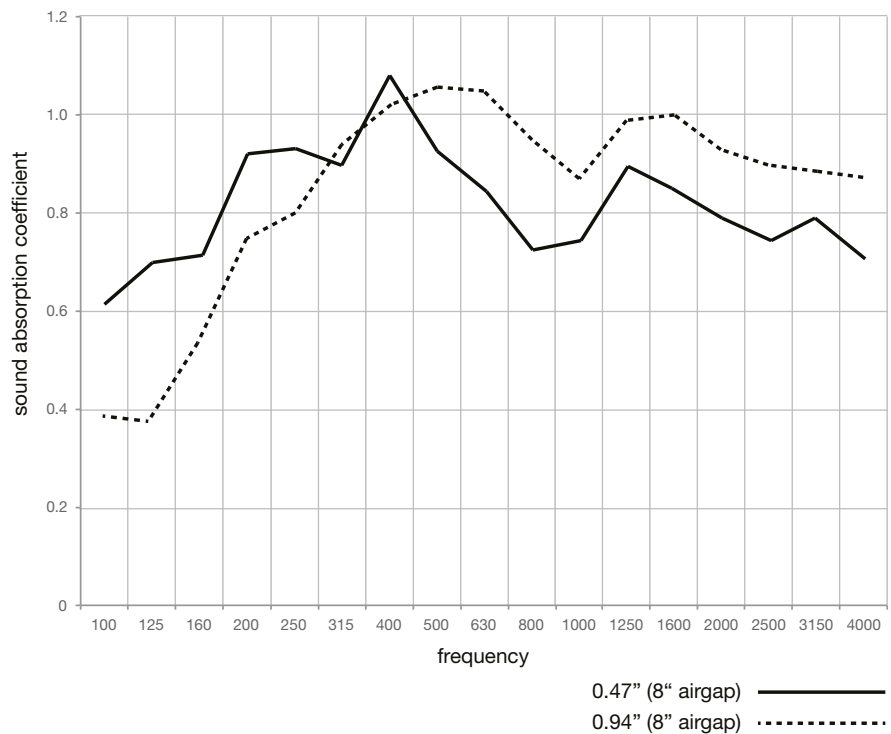
ecooustic® Baffles are available in multiple thicknesses and dimensions, depending on your desired acoustic performance.

ecooustic® Baffles increase the surface area of sound-absorbing material to control reverberation and flutter echoes, thereby enhancing speech intelligibility and music sound quality.

The raw materials used to fabricate our ecooustic® Baffles have been tested to AS/ISO 354, achieving the acoustic performance detailed below.

Solid Color .47": NRC 0.75 (8" airgap)

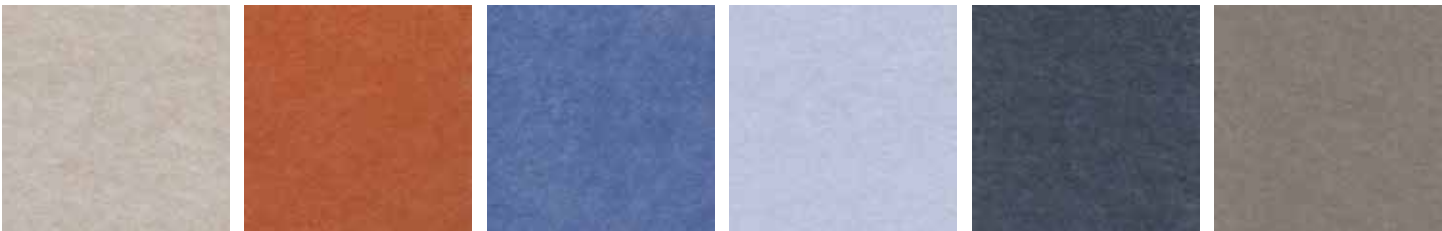
Solid Color .94": NRC 0.95 (8" airgap)



# ecoustic® Solid Color .47” Panels



ecoustic® Solid Color panels have a uniform exposed profile edge



Almond      Arizona      Bluebell      Cool      Denim      Fawn



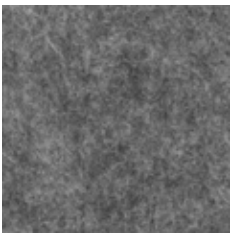
Galaxy      Horizon      Iris      Leaf      Olive      Oxide



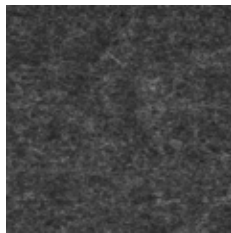
Snowdrop      Tungsten      Venus

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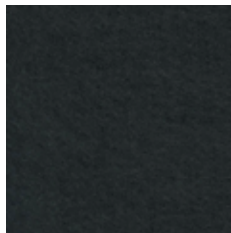
# ecoustic® Solid Color .94" Panels



Ash



Graphite



Nero



Pure



Stone

Select from our wide range of ecoustic® Solid Color panels in two sound-absorbing thicknesses, providing flexibility in acoustic performance and aesthetics. Multiple colors can be used to create added depth and interest.

A modern interior space featuring large windows on the left, a high ceiling with exposed dark wooden beams, and a light-colored wooden floor. In the foreground, there are several dark wooden chairs with light-colored upholstered seats. In the background, there is a dark sofa and a large, sculptural wooden structure. The overall atmosphere is bright and airy.

## Designed for the Environment

- Low VOC
- ecooustic® Solid Color Panel is Oeko Tex certified
- Designed for disassembly
- Recyclable

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Custom ecooustic® Baffle  
Uber by Geyer Architects + District Furniture  
Photography: Dion Robertson



# Cable Suspension Systems

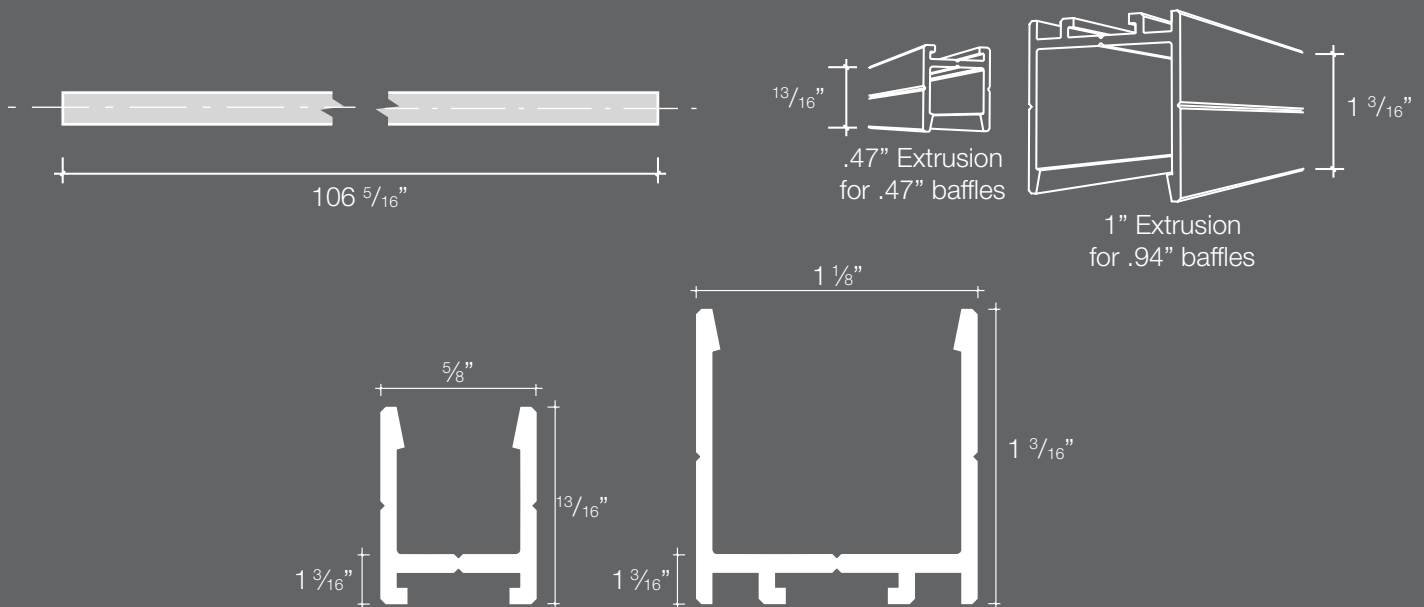
The mounting options listed over the next eight pages are available for the following baffle profiles; **Apex**, **Banner**, **Ebb**, and **Incline**.

Proprietary patented baffle suspension systems are available with natural anodised or black powder-coated aluminium extrusions supplied in 106  $\frac{5}{16}$ " lengths.

Unleash your creativity with our suspension system that can be secured to interior spaces via several fixing options to cater for various baffle dimensions, weights and site orientation; either vertically, horizontally or diagonally.

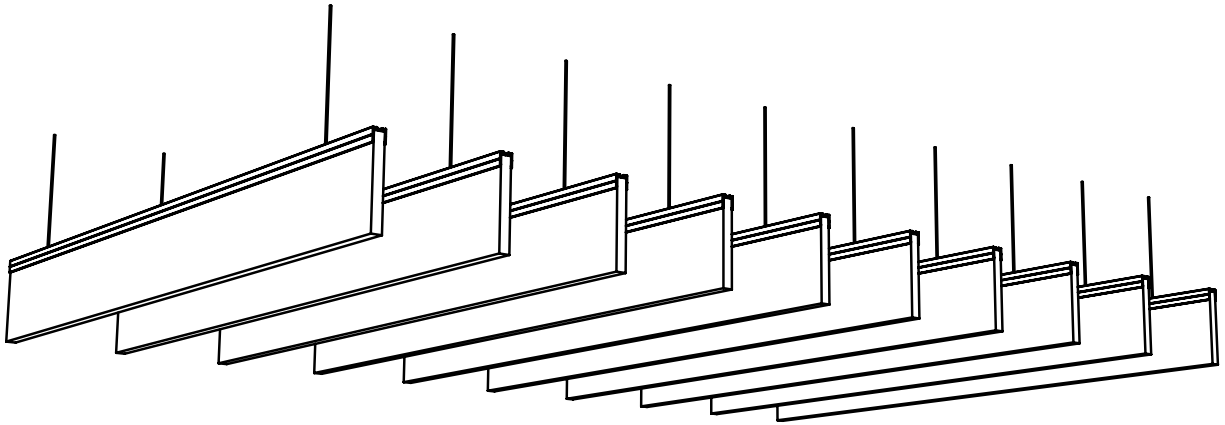
The hardware systems supplied with the extrusions are simple and quick to install.

Please refer to the ecooustic® Baffle Installation Instructions found on [unikavaev.com](http://unikavaev.com) in addition to the following general guide.



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# Vertical Cable Suspension



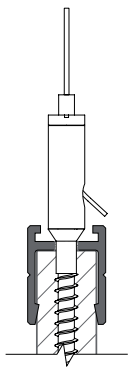
## Hardware Options

### Baffle Screw

Cable screw secured into baffle

### How to specify:

ecooustic® Vertical Cable Installation - Screw Fix Set (2 per Baffle)



Twist coarse screw into the baffle, either through a dedicated hole in extrusion or directly into the baffle. Then attach cable hardware to screw

Screw Fix Set includes:

- stainless steel suspension cable
- cable clutch
- ceiling mount
- coarse screw

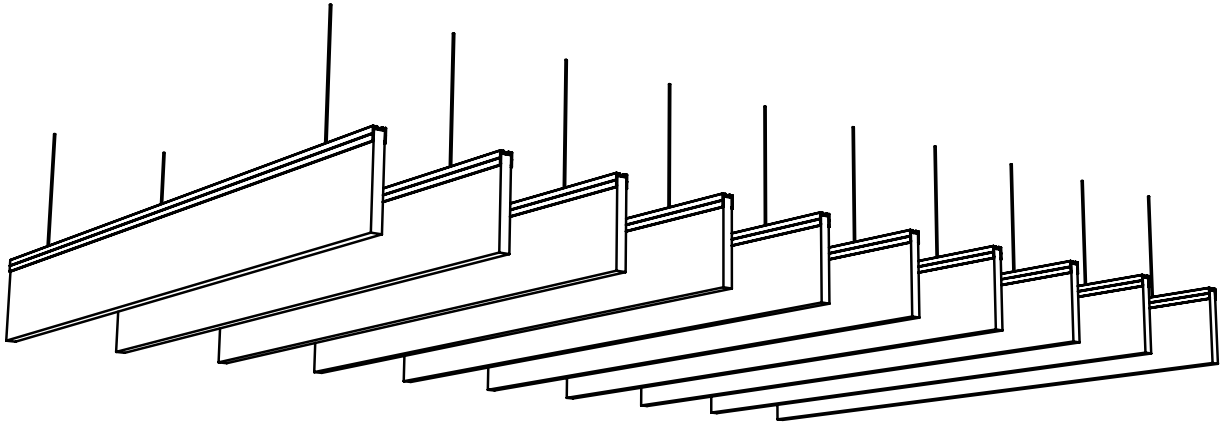
Mounting options for Apex, Banner, Ebb, and Incline

Items shown are not to scale

Max weight rating per baffle extrusion not to exceed 44 lbs

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# Vertical Cable Suspension



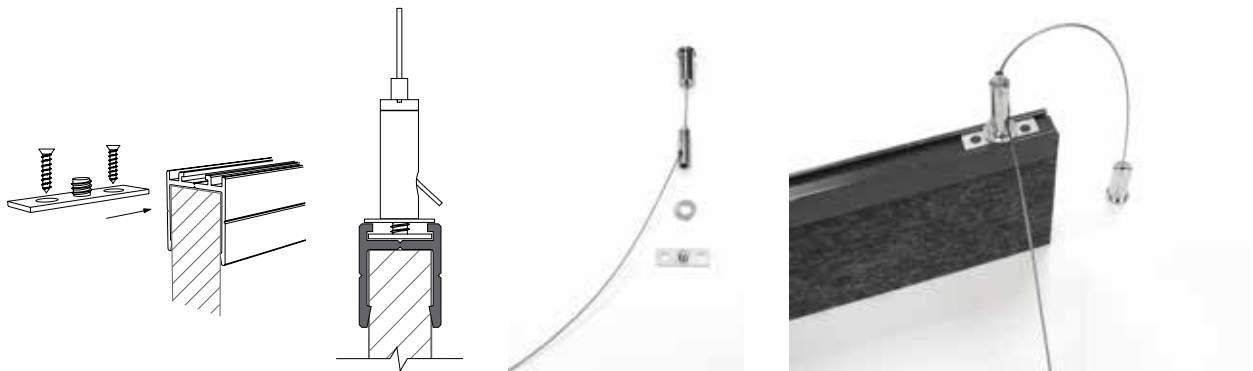
## Hardware Options

### Sliding Cable Mount Via Extrusion

For both baffle thicknesses

#### How to specify:

ecoustic® Vertical Cable Installation - Mount Plate Set (2 per Baffle)



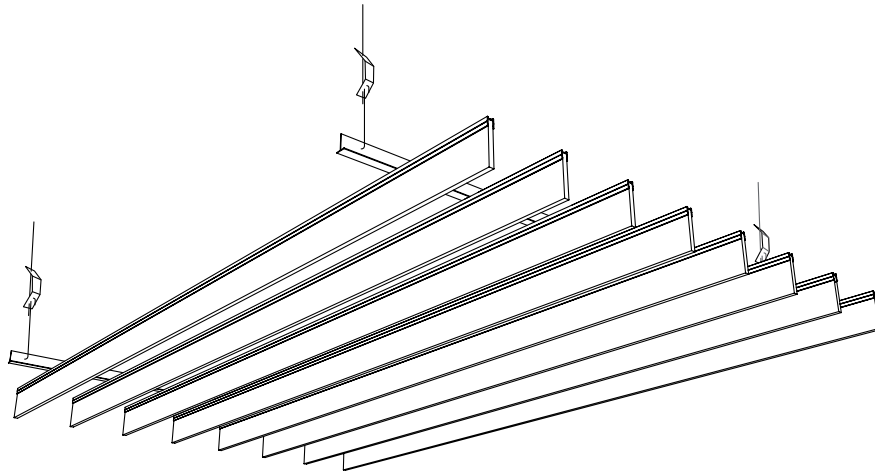
Slide vertical cable mount plate along baffle extrusion and screw into cable hardware

ecoustic® Mount Plate Set includes:

- stainless steel suspension cable
- cable clutch
- ceiling mount
- mount plate for vertical cable

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# Suspended 'Tee' Bar



## Hardware Options

### Sliding Mount Plates

For both baffle thicknesses

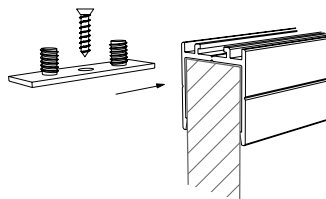
Sliding mount plates secured to extrusions and baffles are secured to T-Bars, or similar, via dedicated strap, used in suspended ceiling grid systems.

\*T-Bar and Ceiling Grids not included and to be supplied by others to suit site requirements.

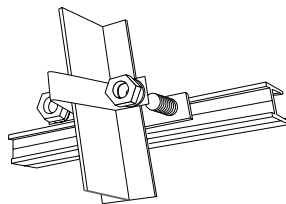
### How to specify:

ecoustic® T-Bar Installation Set (2 per Baffle)

**ecoustic® Mount Plate for T-Bar + Rod**  
(Same mount plate for Rod)



**ecoustic® Collar T-Bar**



Slide mount plate along baffle extrusion. ecoustic® Collar T-bar clamps over most proprietary suspended ceiling grid system T-Bars and bolts onto ecoustic® mount plate for T-Bar + Rod.

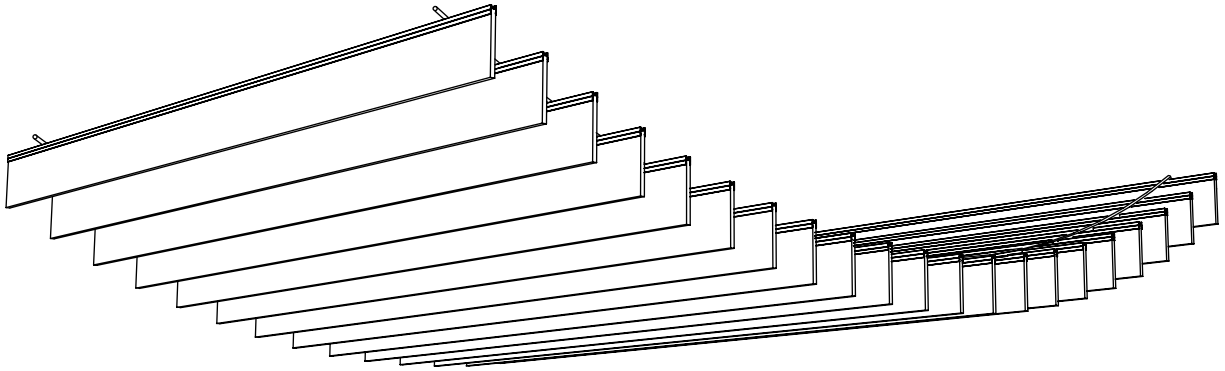
ecoustic® T-Bar Installation Set includes:

- Mount Plate for T-Bar + Rod
- Pair of nuts + washers
- ecoustic® Collar for T-Bar

Mounting options for Apex, Banner, Ebb, and Incline  
Items shown are not to scale  
Max weight rating per baffle extrusion not to exceed 44 lbs

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# Slung Cable Suspension



## Hardware Options

### Flex Plate Set

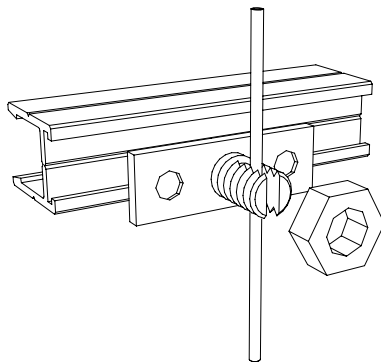
For both baffle thicknesses

Sliding mount plates secured to extrusions and baffles are then secured to horizontal or vertical cables via dedicated slotted bolt together with washer and nut.

\*Cable not included and to be supplied by others to suit site requirements.

### How to specify:

ecooustic® Slung Cable Installation Set (2 per Baffle)



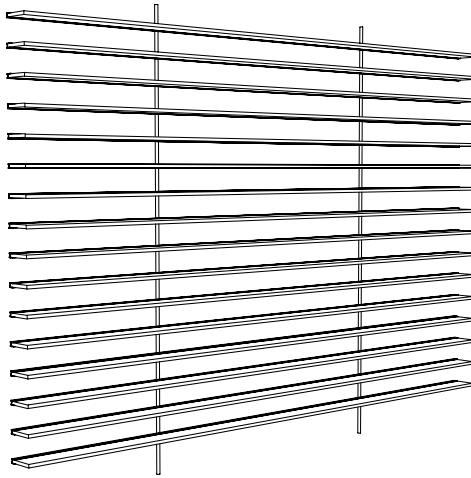
Slide flex plate + nut + washer along baffle extrusion. Nut + washer captures cable within bolt slot.

ecooustic® Slung Cable Installation Set includes:

- ecooustic® Flex Plate
- Nut + washer

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# Metal Rod Suspension



## Hardware Options

### Metal Rods

Vertical + horizontal suspension for both baffle thicknesses

Sliding mount plates secured to extrusions and baffles are secured to metal rods via dedicated strap. Maximum diameter .47", refer structural engineer specifications regarding maximum span of solid rod specified.

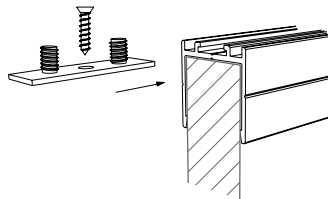
\*Metal rods and supports not included and to be supplied by others to suit site requirements

### How to specify:

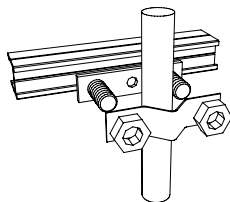
ecoustic® Rod Installation Set (2 per Baffle)

### ecoustic® Mount Plate for T-Bar + Rod

(Same mount plate for T-Bar)



### ecoustic® Collar Rod



Slide mount plate along baffle extrusion. ecoustic® Collar Rod clamps over rod or tube (approx. 1/2" diameter) and bolts onto mount plate for T-Bar + Rod.

ecoustic® Rod Installation Set includes:

- Mount Plate for T-Bar + Rod
- Pair of nuts + washers
- ecoustic® Collar for Rod

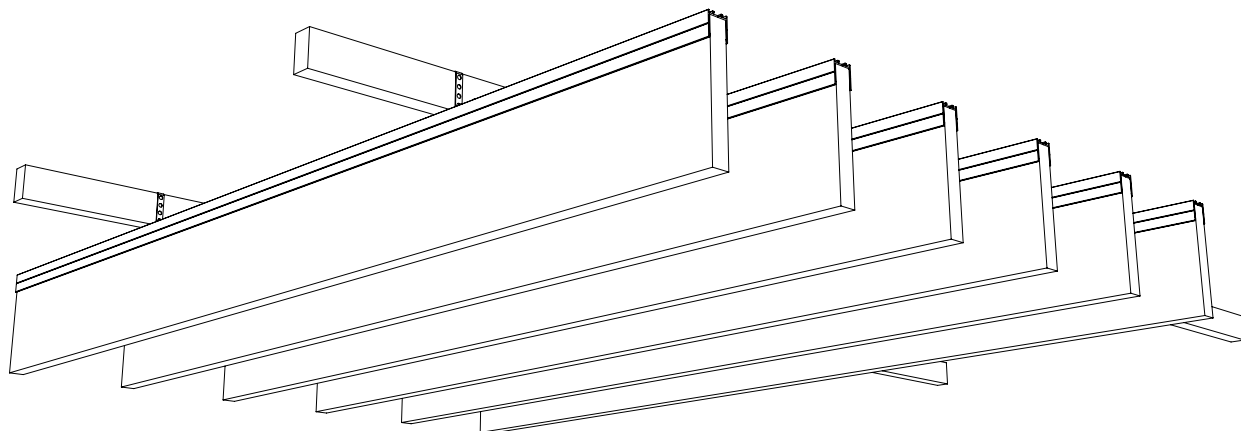
Mounting options for Apex, Banner, Ebb, and Incline

Items shown are not to scale

Max weight rating per baffle extrusion not to exceed 44 lbs

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# Ceiling Collar Strap



## Hardware Options

### Sliding Mount Plates

For both baffle thicknesses

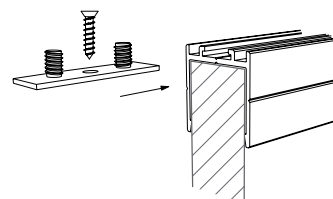
Sliding mount plates secured to extrusions and baffles are secured to structural supports, or similar, via dedicated collar strap.

\*Collar strap to be supplied by others and can be purchased at most hardware stores.

### How to specify:

ecoustic® Ceiling Collar Strap Installation Set (4 Mount Plates per Baffle)

**ecoustic® Mount Plate for T-Bar + Rod** (Same mount plate for T-Bar)



**ecoustic® Collar - Strap 3m rolls**



Collar strap cut to length on site by installers used to secure baffle extrusions to structural supports of site specific dimensions. Examples below:

Fastening to  
wood



Fastening to  
rectangular  
sections



Fastening to  
cylindrical  
sections



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# Unistrut System

## Hardware Options

### Unistrut System

For both baffle thicknesses

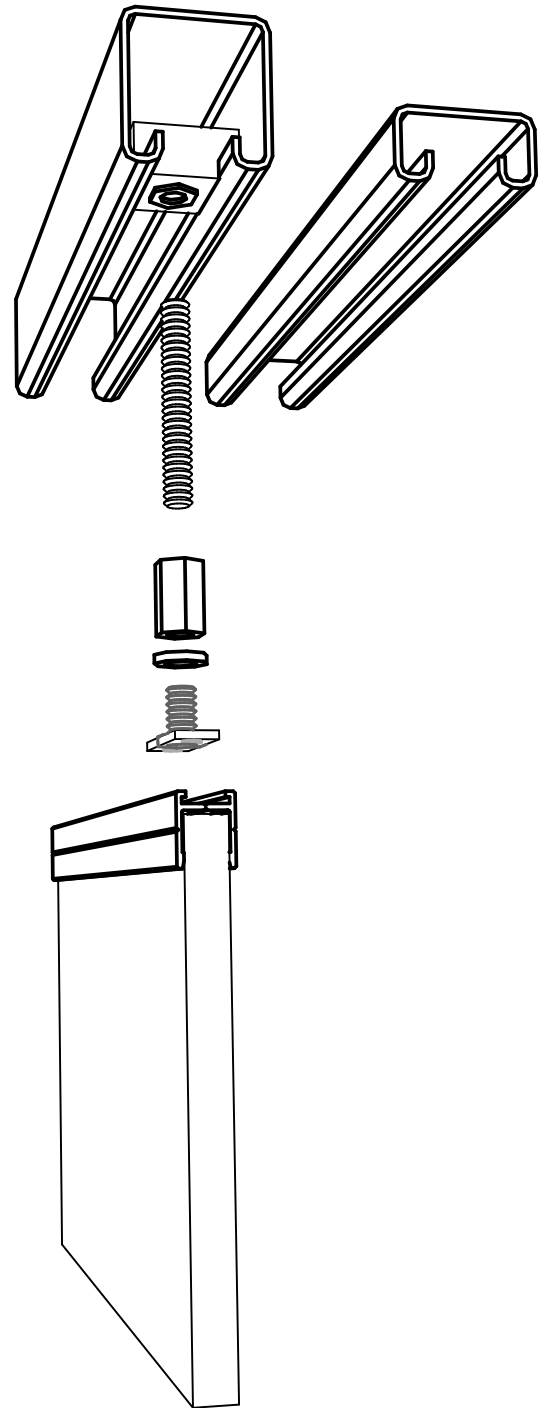
1/4" threaded rod\* (cut to desired length) + connected with  
1/4" Unistrut rod coupler

\*6mm threaded rod and coupler to be supplied by others

### How to specify:

ecoustic® Unistrut Installation Set

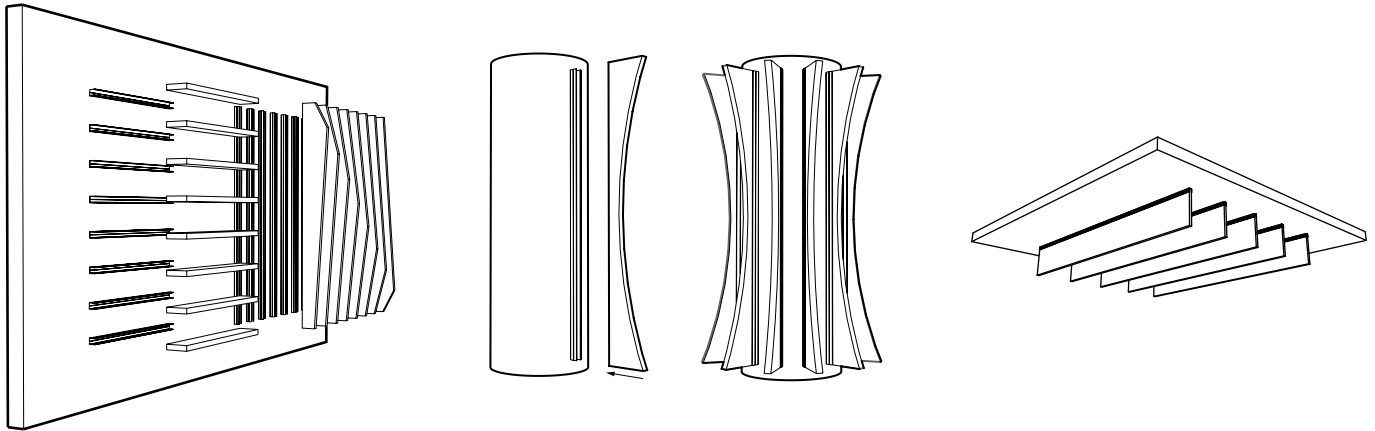
2 per baffle



Mounting options for Apex, Banner, Ebb, and Incline  
Items shown are not to scale  
Max weight rating per baffle extrusion not to exceed 44 lbs

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# Direct Fix



## Hardware Options

### Metal Rods

For both baffle thicknesses

Extrusion is secured to vertical or horizontal surface on site, via the central drilling groove within the baffle extrusion. Baffles are then inserted into secured extrusions.

### How to specify:

ecoustic® Baffle Extrusion Direct Fix On Site (Screws to suit site structure)

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Mounting options for Apex, Banner, Ebb, and Incline  
Items shown are not to scale  
Max weight rating per baffle extrusion not to exceed 44 lbs

# How To Specify

<b>Design</b>	ecoustic® Baffle Apex ecoustic® Baffle Banner ecoustic® Baffle Ebb ecoustic® Baffle Incline Custom
<b>Thickness</b>	.47" -or- .94"
<b>Color</b>	.47": (15) Colorways -or- .94": (5) Colorways
<b>Dimensions</b>	Up to 106.3" Lengths 3.94" - 47.2" Depths
<b>Suspension Systems</b>	Natural or black anodized aluminum extrusions are supplied with each baffle in standard 106.3" lengths
<b>Hardware Options</b>	Available with or without our six suspension hardware system options  <b>ecoustic® Vertical Cable Suspension</b> ecoustic® Vertical Cable Installation - Screw Fix Set <i>or</i> ecoustic® Vertical Cable Installation - Mount Plate Set  <b>ecoustic® Suspended 'Tee' Bar</b> ecoustic® T-Bar Installation Set *Note: Tee bar to be supplied by others to suit site requirements  <b>ecoustic® Slung Cable Suspension</b> ecoustic® Slung Cable Installation Set *Note: Cable not included due to varying site requirements  <b>ecoustic® Metal Rod Suspension</b> ecoustic® Rod Installation Set *Note: Metal rod not included due to varying site requirements  <b>ecoustic® Collar Strap</b> Ceiling Collar Strap Installation Set 3m rolls can be purchased externally. Cut to length on site by installers, the collar strap is used to secure baffle extrusions to structural supports of unique site specific dimensions  <b>Direct Fix</b> ecoustic® Baffle Extrusion Direct Fix On Site Mechanical fasteners to suit site structure

<b>Product</b>	ecooustic® Baffle
<b>Composition</b>	100% PET
<b>Thickness</b>	.47” or .94”
<b>Lightfastness</b> ISO 105-B02	>7
<b>Flammability</b> ASTM E84 AS/ISO 9705 AS/NZS 1530.3 GB 8624	Class A (.47”) or Class C (.94”) Group 1
<b>Environment</b>	Low-VOC Oeko Tex Certification Recyclable

## Benefits

**Ideal for Large Spaces + Limited Wall Space:** ecooustic® Baffle is a versatile acoustic ceiling system and an ideal choice for use in spaces that are large and have limited wall space in new and existing fitouts.

**Design Flexibility:** ecooustic® Baffle can be customized to any architectural context or select from our range of designs. ecooustic® Baffle is made from ecooustic® SC .47” + .94” with a uniform exposed edge, offering flexibility in acoustic performance and aesthetics. Each thickness has a variety of colors to choose from.

**Superior Acoustic Performance:** With the ability to absorb sound on all sides, ecooustic® Baffle achieves superior acoustic performance, particularly baffles made from SC .94”.

**Easy to Install + Proprietary Suspension System:** ecooustic® Baffle is a complete system and the lightweight acoustic panels are simple to install. Instyle has a range of proprietary cable suspension systems supplied with natural or black anodised aluminium extrusions. Alternative extrusion fixings to support the baffles can be sourced.

**Moisture Absorption:** After four days at 122°F, 95% RH the moisture absorbency of SC .47” and SC .94” was less than 0.3% and 2.9% by weight respectively. As ecooustic® Baffle is made from 100% polyester, it will not degrade over time due to moisture, mildew or rot in office environments.

**Toxicity:** Polyester is non-toxic and is classed the same as wood under the State of New York Article 15 Part 1120. ecooustic® Baffle does not contain any Red List Chemicals (USA EPA).

**Safety:** Unika vaev recommends compliance with National Construction Codes and Building Safety Standards. Certification by a qualified practicing structural engineer, such as a Structural Safety Certificate should be confirmed for all overhead installations including baffles.

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ecoustic® Baffle Apex

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