

Ecooustic® Baffle

A high performance acoustic ceiling system featuring suspended panels



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INSTYLE



Ecoustic® Baffle Incline

Ecoustic® Baffle is an acoustic ceiling system featuring suspended sound-absorbing panels, ideal for large spaces + interiors with limited wall space



Features + Benefits

- + Our Ecooustic® Baffle system can be customised to any architectural context and available in four baffle designs, ranging from understated simplicity to dramatic shapes
- + Achieves superior acoustic performance
- + Ideal for ceiling and wall applications, in particular large spaces and interiors with limited wall space
- + The baffles are made in Australia from either our Ecooustic® SC or Ecooustic® Felt Screen panels, providing flexibility in acoustic performance and aesthetics
- + Ecooustic® SC features a uniform exposed profile edge and is available in many neutral and muted colours
- + Ecooustic® Felt Screen features a felt laminated to both sides of a white or black core, providing a subtle or contrasting profile detail depending on the felt colour selected
- + The baffles are available with or without our suspension systems
- + Multiple suspension system options are available depending on your interior space
- + Baffle extrusions are available in either natural anodised aluminium or black powder coat finish
- + Achieves the highest NCC/BCA Group 1 fire rating
- + Designed for the Environment, Ecooustic® Baffle is low VOC with Greentag Level A or Cradle to Cradle Bronze certification



Ecooustic® Baffle Banner Pewter

Designs

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

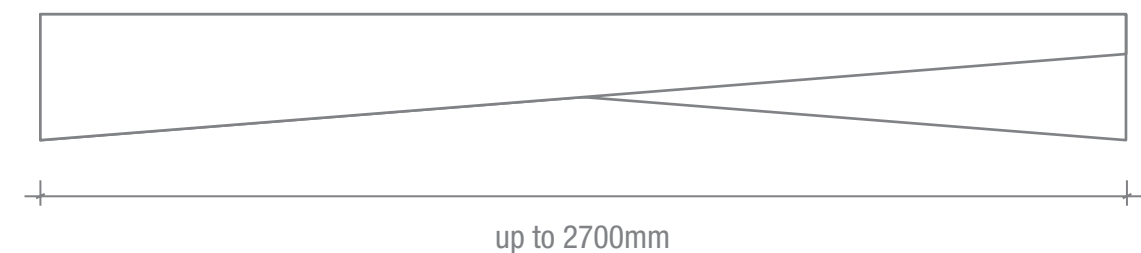
Ecoustic® Baffle is also available in four baffle designs, from understated simplicity to dramatic sculptural shapes.

Ecoustic® Baffle is fabricated in Australia to client specifications with dimensions up to 2700mm lengths and 100 - 1200mm depths.

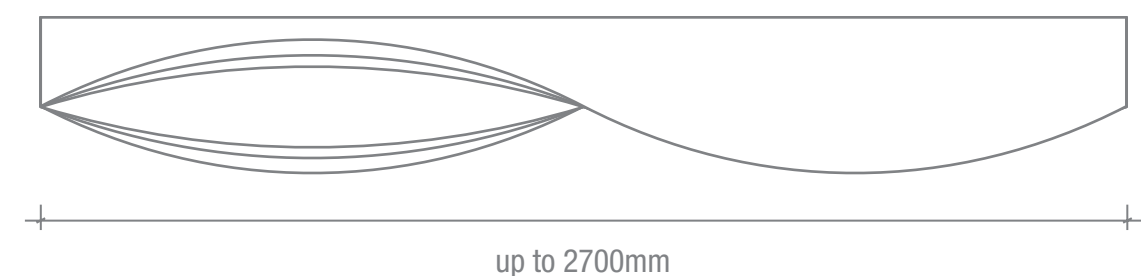
BANNER



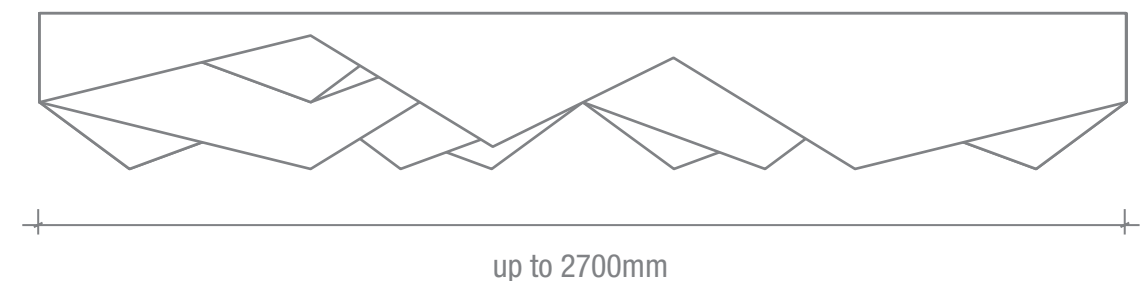
INCLINE



EBB



APEX



from 100 -
1200mm

Customisation

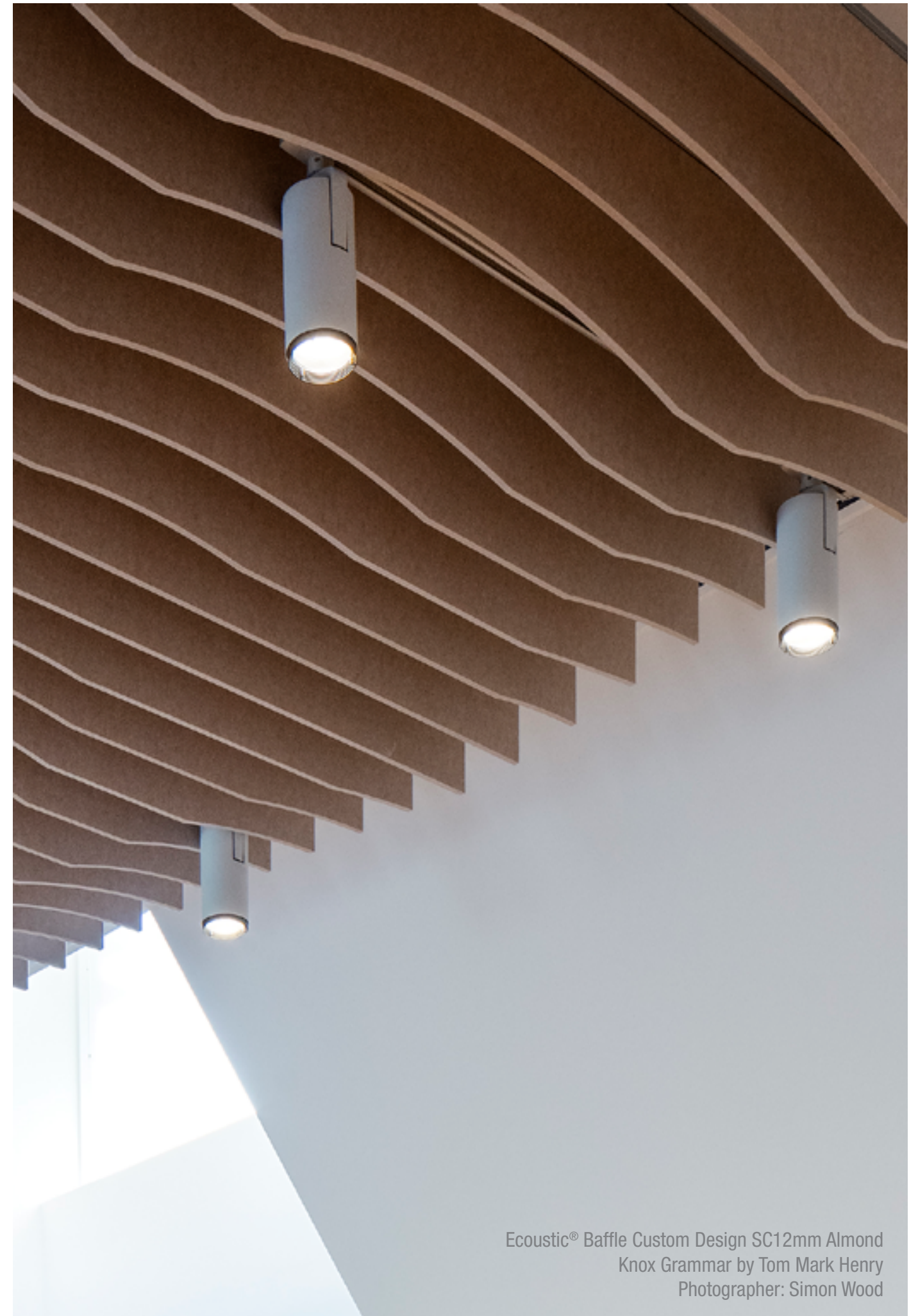
Ecoustic® Baffle is highly versatile and can be customised to any architectural context.

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

Custom shapes and sizes can be cut into each baffle using our 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 Ecoustic® Baffle.



Ecoustic® Baffle Custom Design SC12mm Almond
Knox Grammar by Tom Mark Henry
Photographer: Simon Wood



Ecoustic® Baffle made from Ecoustic® 25mm Screen Jet
 Uber by Geyer Architects + District Furniture
 Photography: Dion Robertson

Superior Acoustics

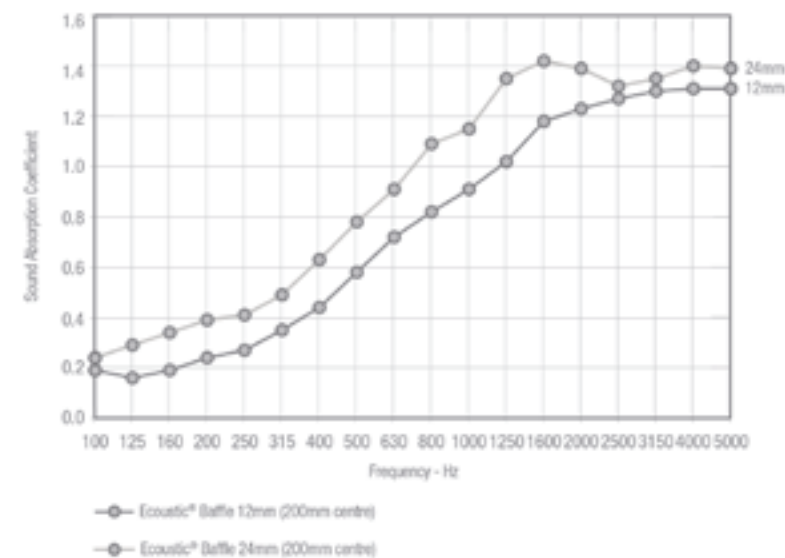
Ecoustic® Baffles are available in various substrates and thicknesses, depending on the desired acoustic performance.

Ecoustic® Baffle increases the surface area of sound absorbing material to control reverberation and flutter echoes, thereby enhancing speech intelligibility and music sound quality.

Our Ecoustic® Baffles have been tested to AS/ISO 354 achieving the acoustic performance detailed below.

24mm NRC 0.95 / α_w 0.7M H*
 12mm NRC 0.75 / α_w 0.55M H*

*Testing chamber results based on a typical installation of our Ecoustic Baffles 300 x 2700mm suspended at 200mm centres



Colours

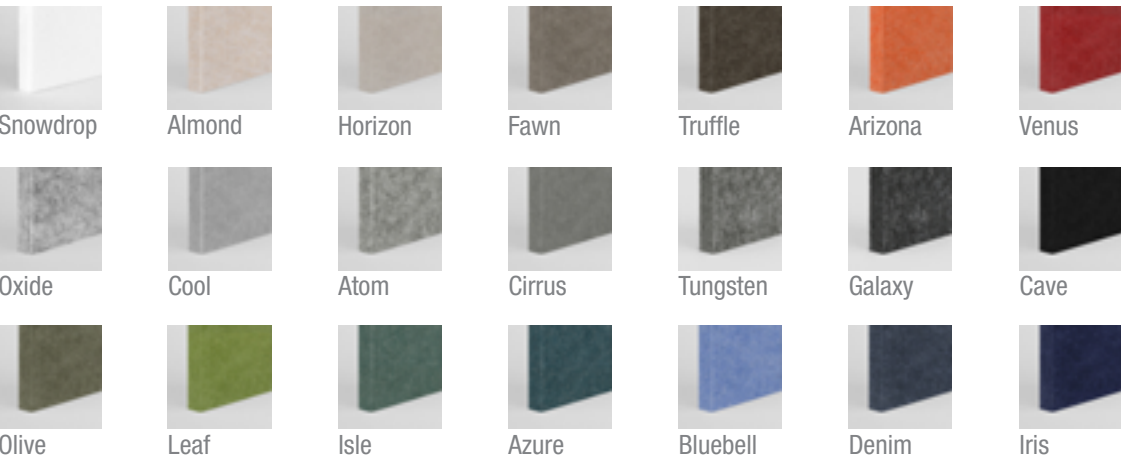
Select from our extensive Ecooustic® Solid Colour + Ecooustic® Felt Screen panels in a range of sound absorbing thicknesses, providing flexibility in acoustic performance and aesthetics. Multiple colours can be used to create added depth and interest.

Ecooustic® Solid Colour

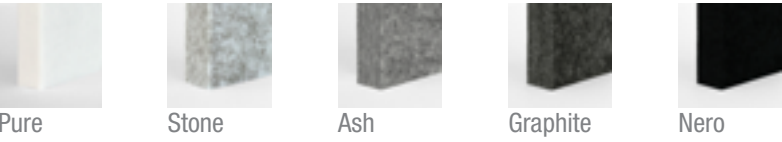


Ecooustic® Solid Colour panels have a uniform exposed profile edge

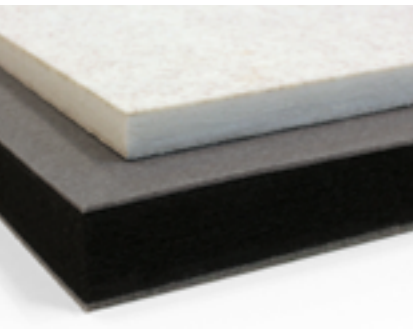
Ecooustic® Solid Colour 12mm



Ecooustic® Solid Colour 24mm

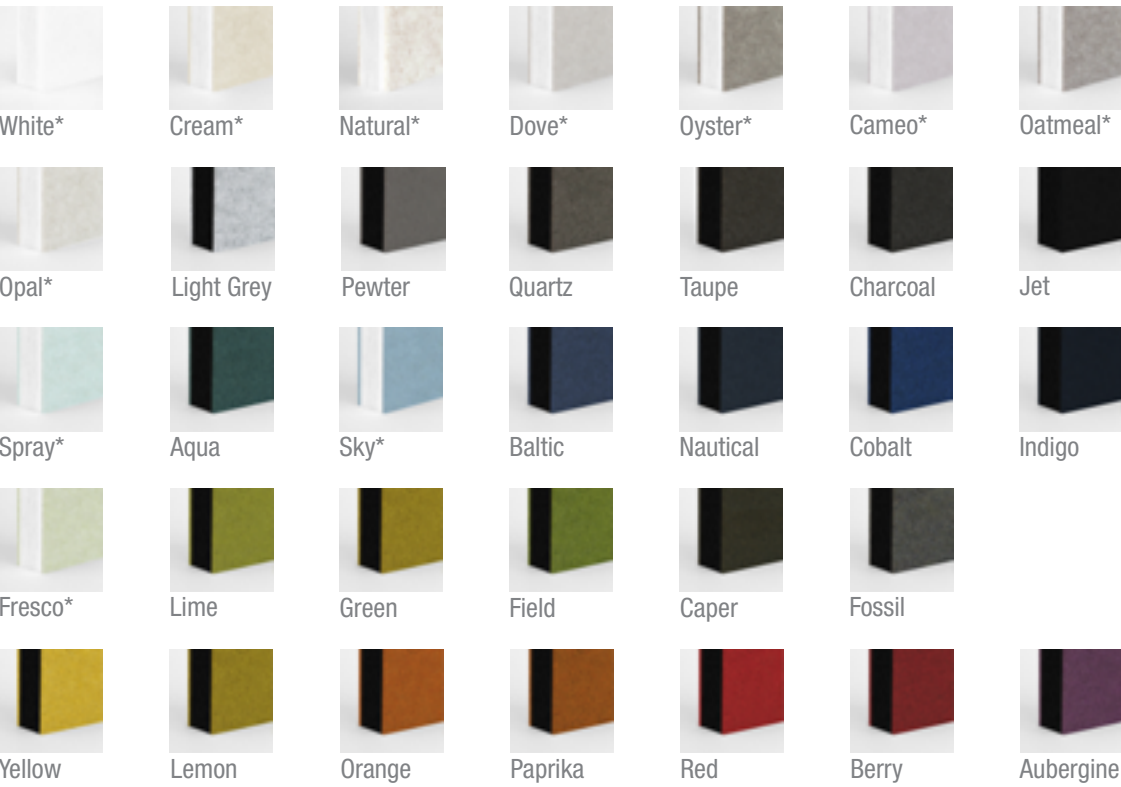


Ecooustic® Felt Screen



Ecooustic® Screen features a felt laminated to both sides of a white or black core, providing a subtle or contrasting profile detail depending on the felt colour

Ecooustic® Felt Screen 12mm + 25mm



*White, Natural, Sky, Cream, Cameo, Fresco, Oatmeal, Opal, Dove, Oyster + Spray are supplied with white core, other colours are supplied with black core

Designed for the Environment

- + Low VOC
- + Baffles made from Felt Screen contain up to 60% recycled content + Greentag Level A certified
- + Baffles made from SC are ISO 14001-certified EMS + Cradle to Cradle Bronze certified
- + Declare Label certified
- + Designed for disassembly
- + Recyclable



Ecoustic® Baffle Custom Design SC12mm Almond
Knox Grammar by Tom Mark Henry
Photographer: Simon Wood

Cable Suspension Systems

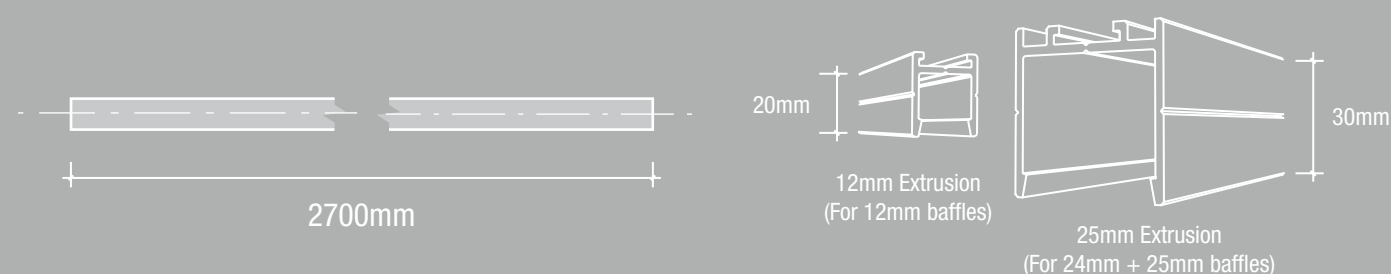
Proprietary* baffle suspension systems are available with natural anodised or black powder-coated aluminium extrusions supplied in 2700mm lengths.

Unleash your creativity with our 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.

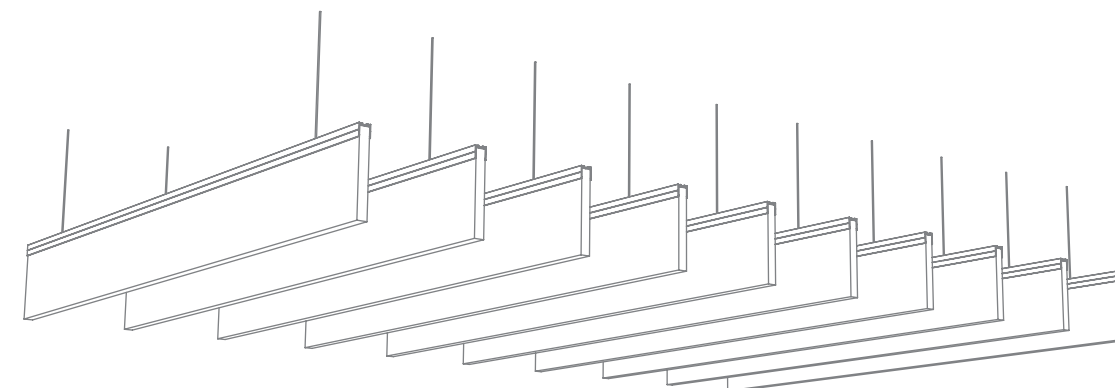
The hardware systems supplied with the extrusions are simple and quick to install.

Please refer to the Ecoustic® Baffle Installation Instructions in addition to the following general guide.

* patent pending



Vertical Cable Suspension



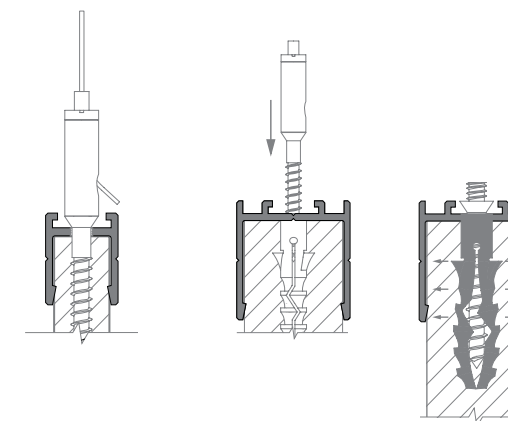
HARDWARE OPTIONS

Ecoustic® Baffle Screw

Cable screw secured into baffle

How to Specify:

Ecoustic® Vertical Cable Installation -
Screw Fix Set
2 per baffle



Ecoustic® Anchor Pack included with 25mm
Ecoustic® Felt Screen

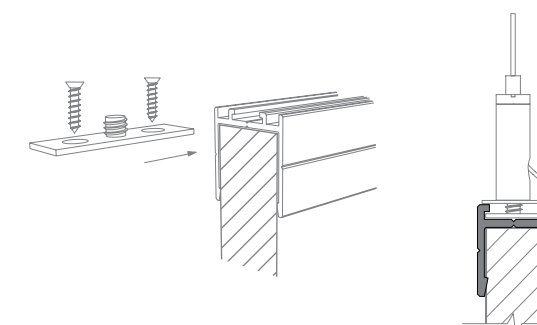
OR

Sliding Cable Mount Via Extrusion

For all baffle thicknesses

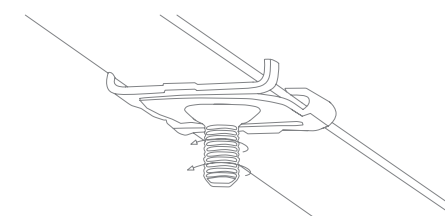
How to Specify:

Ecoustic® Vertical Cable Installation -
Mount Plate Set
2 per baffle



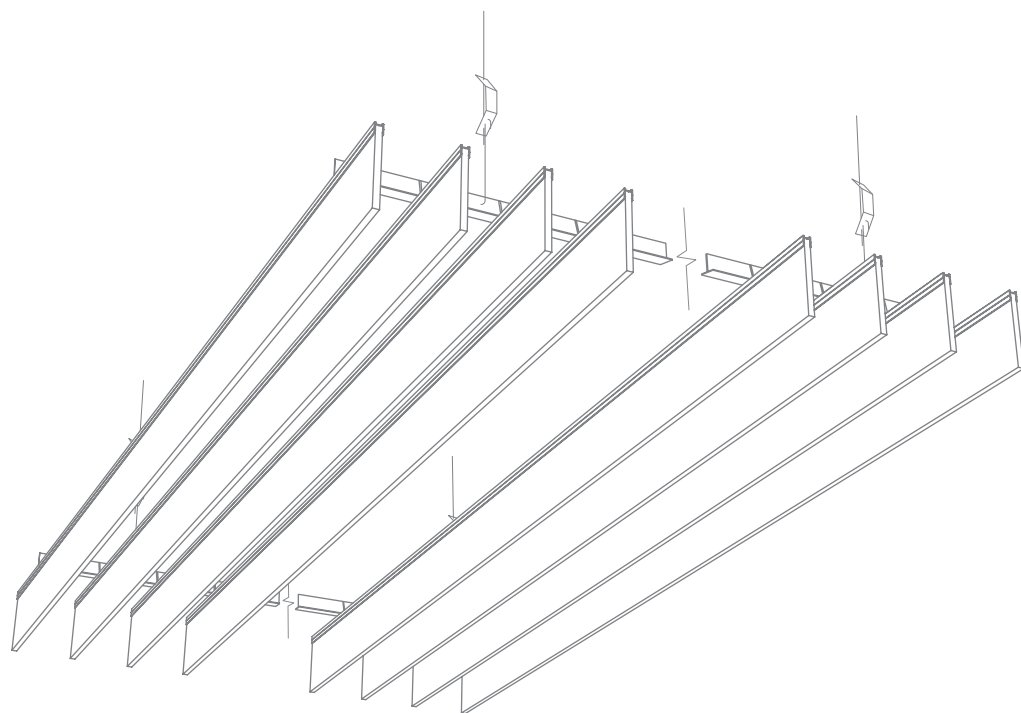
Optional

Suspended ceiling grid clip
2 per baffle



Maximum weight rating per baffle
extrusion: 20kg

Suspended 'Tee' Bar



HARDWARE OPTIONS

Sliding Mount Plates

For all baffle thicknesses

Sliding mount plates secured to extrusions and baffles are secured to Tee bars or similar via dedicated strap, used in suspended ceiling grid systems

How to Specify:

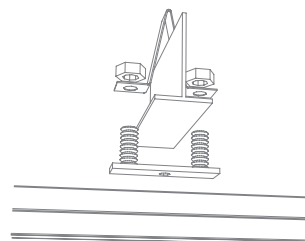
Ecoustic® T-Bar Installation Set

2 per baffle

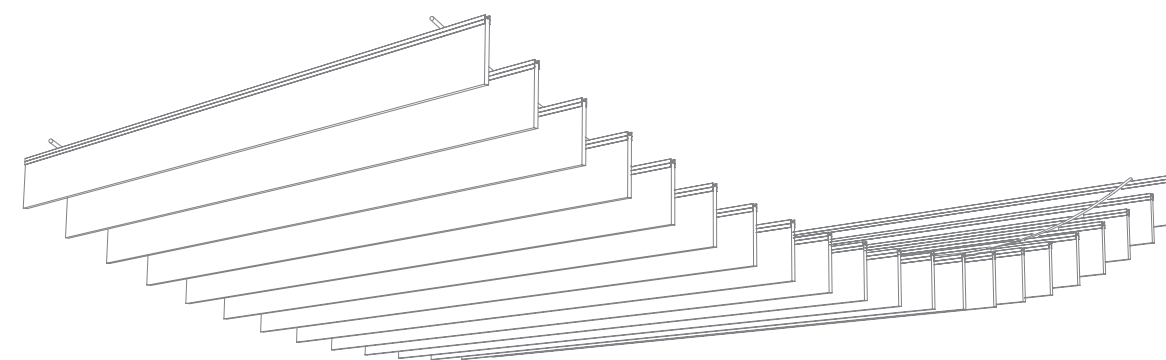
Please nominate 15, 24 or 32mm T-Bar size

Please Note: Tee bar to be supplied by others to suit site requirements

Maximum weight rating per baffle extrusion: 20kg



Slung Cable Suspension



HARDWARE OPTIONS

Flex Plate Set

For all 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

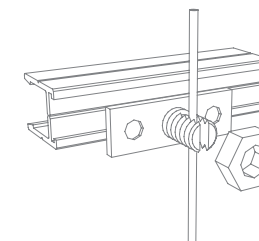
How to Specify:

Ecoustic® Slung Cable Installation Set

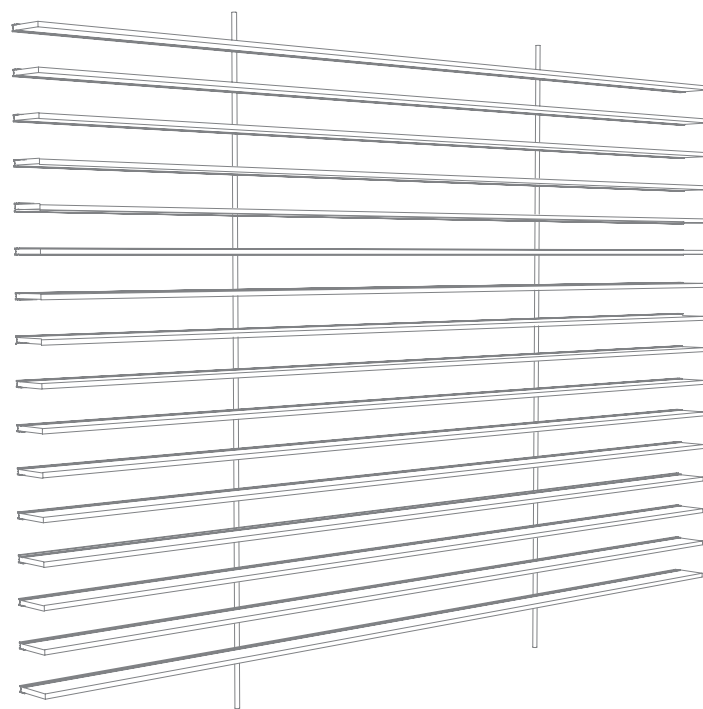
2 per baffle

Please Note: Cable is not included and to be supplied by others to meet requirements of site

Maximum weight rating per baffle extrusion: 20kg



Metal Rod Suspension - Vertical + Horizontal



HARDWARE OPTIONS

Metal Rods

For all baffle thicknesses

Sliding mount plates secured to extrusions and baffles are secured to metal rods via dedicated strap. Maximum diameter 12mm, refer structural engineer specifications regarding maximum span of solid rod specified.

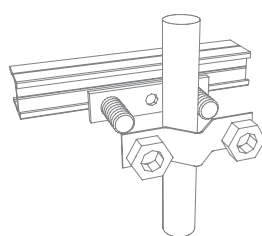
How to Specify:

Ecoustic® Rod Installation Set

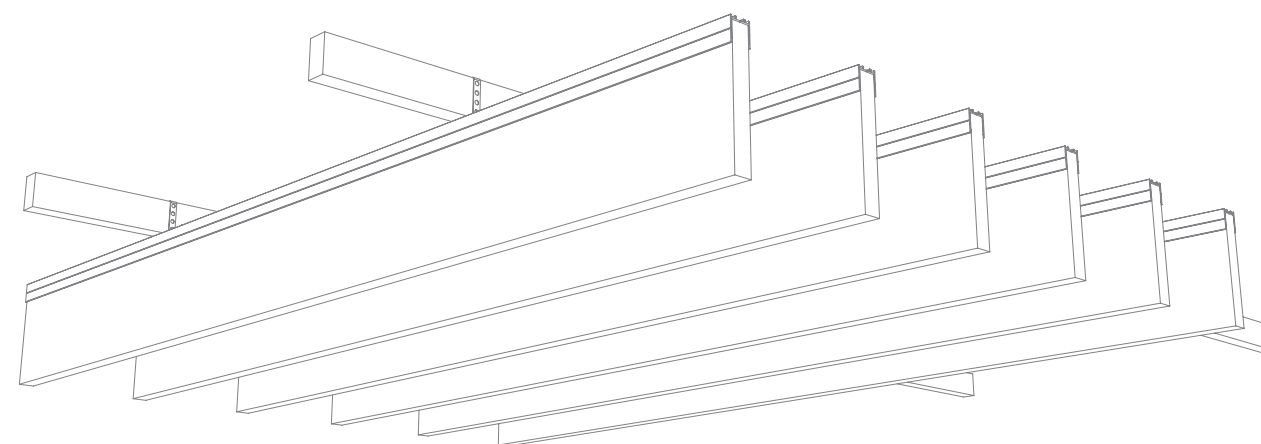
2 per baffle

Please Note: Metal rods and supports supplied by others to suit site requirements

Maximum weight rating per baffle extrusion: 20kg



Ceiling Collar Strap



HARDWARE OPTIONS

Sliding Mount Plates

For all baffle thicknesses

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

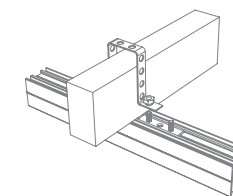
How to Specify:

Ecoustic® Ceiling Collar Strap Installation Set

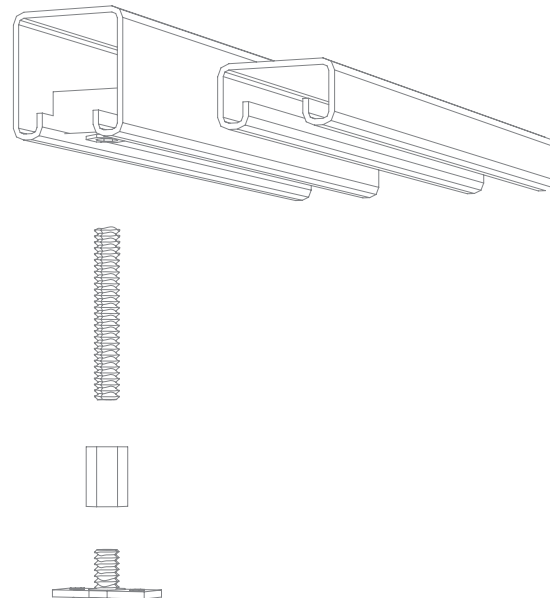
4 Mount Plates per baffle

Please Note: Collar strap can also be purchased externally via national hardware chain outlets. Strap is trimmed to meet requirements of site.

Maximum weight rating per baffle extrusion: 20kg



Unistrut System



HARDWARE OPTIONS

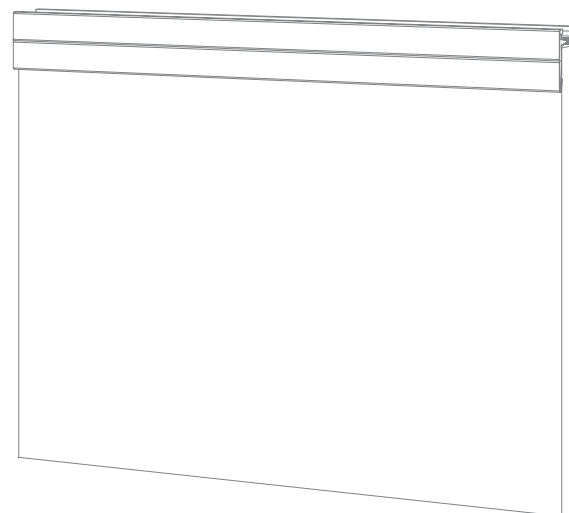
Unistrut System

For all baffle thicknesses
6mm threaded rod supplied by others (cut to desired length) + connected with 6mm Unistrut rod coupler.

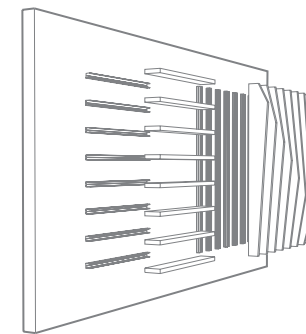
How to Specify:

Ecoustic® Unistrut Installation Set
2 per baffle

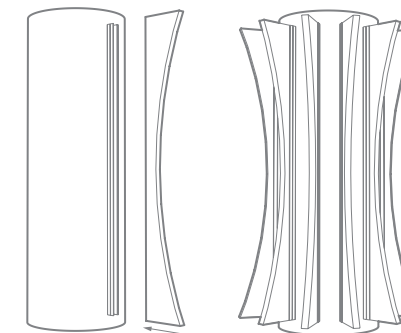
Maximum weight rating per baffle extrusion:
20kg



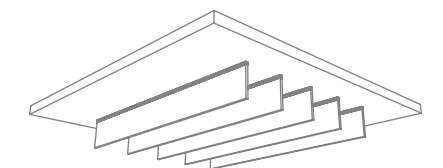
Direct Fix



Wall Installation



Column Installation



Soffit Installation

HARDWARE OPTIONS

Mechanical Fasteners

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

How to Specify:

Ecoustic® Baffle Extrusion Direct Fix On Site
Mechanical fasteners to suit site structure

How To Specify

DESIGN	Ecoustic® Baffle Banner Ecoustic® Baffle Ebb Ecoustic® Baffle Apex Ecoustic® Baffle Incline Custom Design
PROFILE THICKNESS	Solid Colour SC 24mm or 12mm Felt Screen 25mm or 12mm
COLOUR	Solid Colour SC 24mm (5 colours) Felt Screen 25mm (34 colours) Solid Colour SC 12mm (15 colours) Felt Screen 12mm (34 colours)
DIMENSIONS	up to 2700mm lengths 100 - 1200mm depths
SUSPENSION SYSTEM	<p>Natural or black anodised aluminium extrusions are supplied with each baffle in standard 2700mm lengths</p> <p>Ecoustic® Baffle is available with or without our six suspension hardware system options</p> <p>HARDWARE OPTIONS</p> <p>Ecoustic® Vertical Cable Suspension Ecoustic® Vertical Cable Installation - Screw Fix Set or Ecoustic® Vertical Cable Installation - Mount Plate Set Optional: Suspended ceiling grid clip</p> <p>Ecoustic® Suspended ‘Tee’ Bar Ecoustic® T-Bar Installation Set NB: Tee bar to be supplied by others to suit site requirements Please nominate 15, 24 or 32mm T-Bar size</p> <p>Ecoustic® Slung Cable Suspension Ecoustic® Slung Cable Installation Set NB: Cable not included due to varying site requirements</p> <p>Ecoustic® Metal Rod Suspension Ecoustic® Rod Installation Set NB: Metal rod not included due to varying site requirements</p> <p>Ecoustic® Collar Strap Ceiling Collar Strap Installation Set 3m rolls can be supplied by Instyle or 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</p> <p>Ecoustic® Unistrut Installation Set</p> <p>Direct Fix Ecoustic® Baffle Extrusion Direct Fix On Site Mechanical fasteners to suit site structure</p>



Ecoustic® Baffle Custom Design
Monash Sports Pavillion by JMA
Photographer: David Collopy

PRODUCT	Ecoustic® Baffle
COMPOSITION	100% PET
PROFILE THICKNESS	12mm / 24mm / 25mm
LIGHTFASTNESS ISO 105-B02	>7
FIRE TEST	AS/ISO 9705 Group 1 SMOGRA <100 NZBC Group 1-S
ENVIRONMENT	Low-VOC Felt: Recycled Content + Greentag Level A Certified SC: ISO 14001-certified EMS + Cradle to Cradle Bronze certified Declare Label Designed for Disassembly Recyclable

BUILDING RATING SYSTEMS

Ecoustic® Baffle will contribute the following points for Green Star, LEED + WELL building standards.

Criteria	Green Star	LEED	WELL
Recycled Content Felt Screen	√	√	NA
Low VOC	√	√	√
Stewardship - Recycling	√	√	NA
Manufacturer Certified EMS SC Panel	√	NA	NA
EPD Felt Screen	√	√	NA
Declare Label	NA	√	√
Greentag Level A Certification Felt Screen	√	√	√
C2C Certification SC Panel	-	√	√
Toxic Material Reduction	NA	NA	√
Sound Reducing Surfaces	NA	NA	√

BENEFITS

Ideal for Large Spaces + Limited Wall Space

Ecoustic® 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

Ecoustic® Baffle can be customised to any architectural context or select from our range of designs. Ecoustic® Baffle is made from Ecoustic® SC with a uniform exposed edge or Ecoustic® Felt Screen with a contrasting white or black core detail, offering flexibility in acoustic performance and aesthetics.

Superior Acoustic Performance

With the ability to absorb sound on all sides, Ecoustic® Baffle achieves superior acoustic performance, particularly SC24mm + Screen 25mm baffles.

Easy to Install + Proprietary Suspension System

Ecoustic® 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 50°C, 95% RH the moisture absorbency of SC Panel was less than 0.3% and 2.9% by weight respectively. Ecoustic® Felt Screen: Exposure to an atmosphere of 50% and 95% RH for four days provides moisture absorption of less than 0.2% per volume. As Ecoustic® 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. Ecoustic® Baffle does not contain any Red List Chemicals (USA EPA).

Safety

Instyle 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.

Warranty

We provide a 12 month warranty against manufacturing defects. This applies to internal installation only, outdoor use will void any warranty.

Distributed by



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