acoufelt



Stack

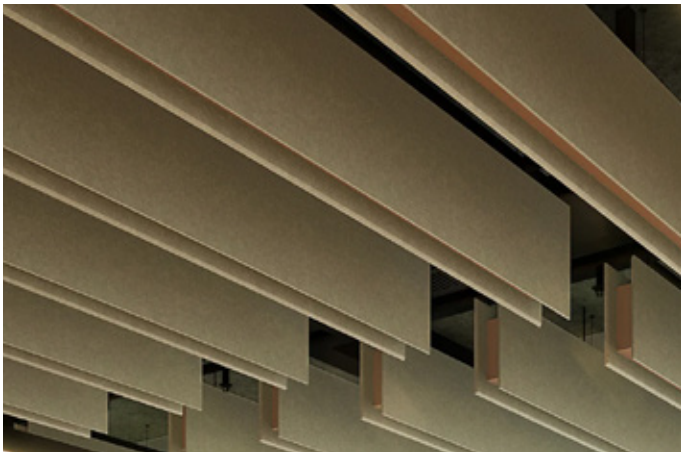
Ceiling Baffles

Premier Collection

Stack Ceiling Baffles have a unique design that adds more dimension and color to any space. This product is available in a wide range of standard sizes and allows the specification in one or two colors. One color for the exterior planes and another for the interior structure that connects the two planes. This multi-dimensional design provides infinite creative freedom. Its personalization capability, along with increased sound absorption, makes Stack both effective at improving acoustic comfort and versatile in appearance.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Weight	2400gsm
Standard Sizes	Height: 152mm up to 508mm H (25mm increments) Depth: 76, 102mm D Length: 305mm up to 2743mm L (152mm increments), 2794mm L



Stack Ceiling Baffles in Celery and Quartz

Technical

NRC Rating	1.65*
Fire Test	Test Results Pending
Water Sorption	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
Colorfastness	ISO 105-B02, 6-7

** Test results available upon request*

Details

Lead Time	Refer to Product Lead Time Matrix
Origin	Australia
Warranty	Product: 20 years* Colorfastness: 20 years*

** Conditions apply*

Environmental

Recycled Content	Minimum 60%
Energy	Generated using 40% solar energy
Indoor Air Quality	VOC less than/equal to 0.5mg/m3
Recyclable	100%*
Certifications	Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

** PET is recyclable through participating partners*

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Colorways

White
WH12


Milkyway
MI74


Ivory
IV11

Pearl
PE21


Valentine
VA70


Quartz
QU67


Stonewash
ST72


Sea Salt
SE57


Platinum
PL04


Almond
AL55


Pistachio
PI25


Turmeric
TU60


Flamingo
FL61


Amethyst
AM69


Periwinkle
PE23


Peacock
PE20


Metal
ME03


Mushroom
MU75


Celery
CE65


Wheat
WH68


Peach
PE19


Lilac
LI13


Marine
MA15


Sencha
SE58


Grey
GR02


Umber
UM54


Wasabi
WA29


Popcorn
PO26


Currant
CU59


Berry
BE06


Azure
AZ05


Oregano
OR18


Charcoal
CH01


Walnut
WA56

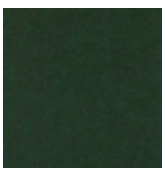

Eucalyptus
EU71


Carrot
CA08


Loganberry
LO77


Granite
GR62


Denim
DE09


Kale
KA12

Piano Black
PI24

Slate
SL27

Nori
NO76

Peppercorn
PE22

Shiraz
SH63

Flint
FL64

Midnight
MI16

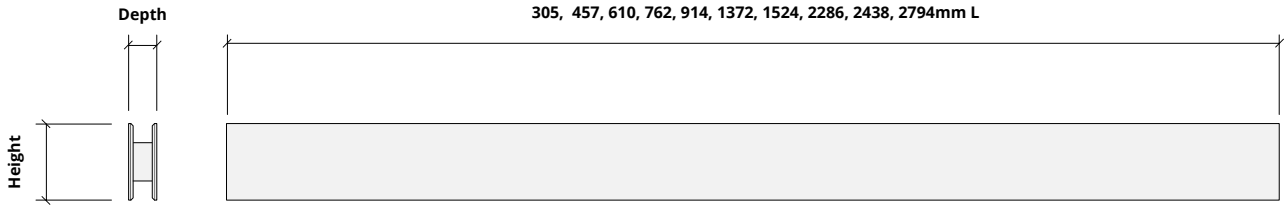
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Sizes

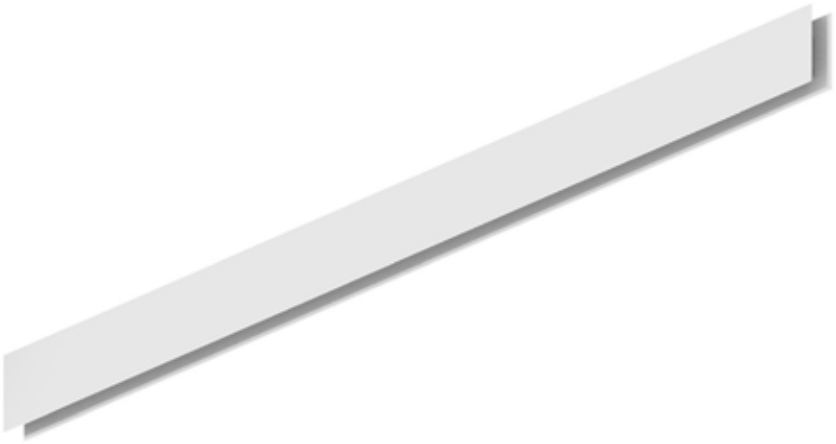
Standard Sizes

Height: 152mm up to 508mm H (25mm increments)
Depth: 3, 102mm D
Length: 305mm up to 2743mm L (152mm increments), w L
Custom sizes available

Elevation



Perspective

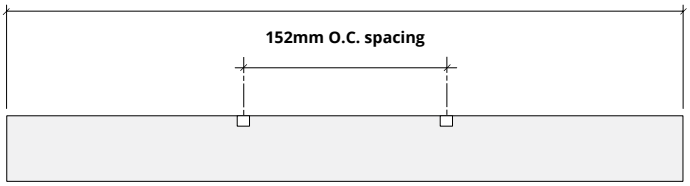


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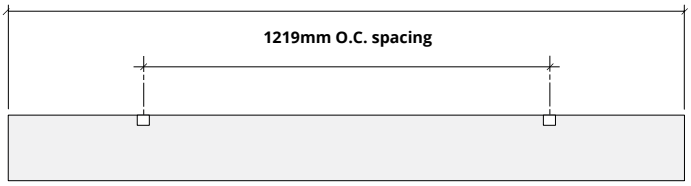
Hardware Spacing

305, 457mm L	152mm on center spacing
610, 762mm L	305mm on center spacing
914-1372mm L	610mm on center spacing
1524-2286mm L	1219mm on center spacing
2438-2794mm L	1524mm on center spacing

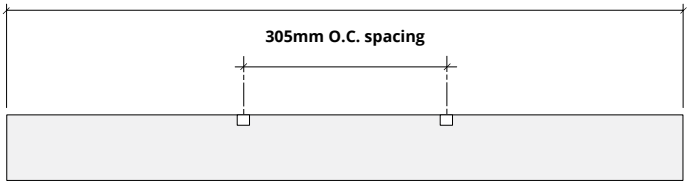
305, 457mm L



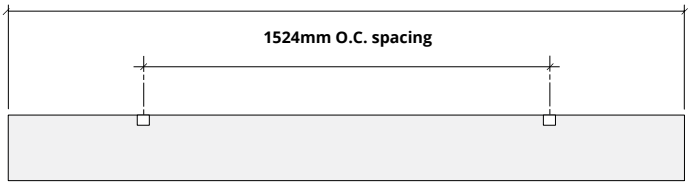
1524-2286mm L



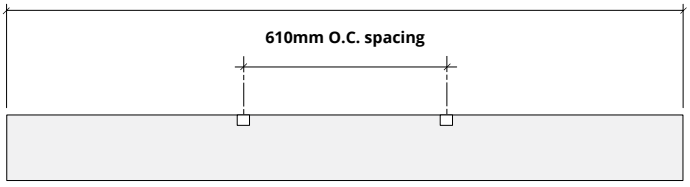
610, 762mm L



2438-2794mm L



914-1372mm L



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How to Specify

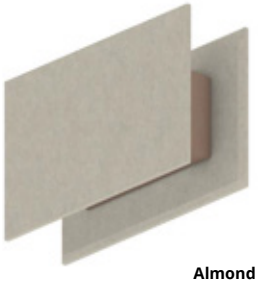
1. Choose Sizes | **2. Choose Colorways** | **3. Choose Mounting Method**

Baffles come in a range of heights, depths and lengths. See page 4 for a complete list of sizes.

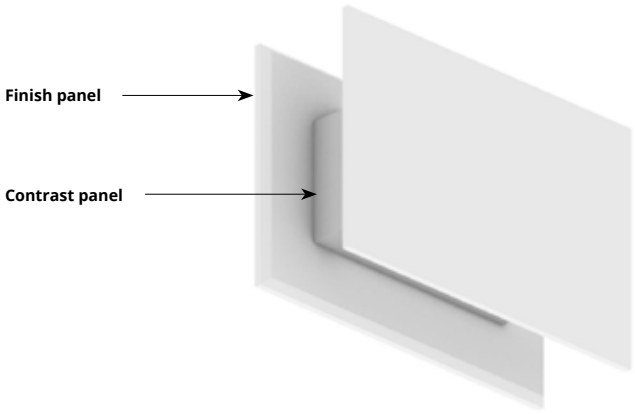
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1. Choose Sizes | **2. Choose Colorway** | **3. Choose Mounting Method**

To specify colorways, select finish panel and contrast panel color.



Almond + Quartz = AL55 + SH63



Ships assembled

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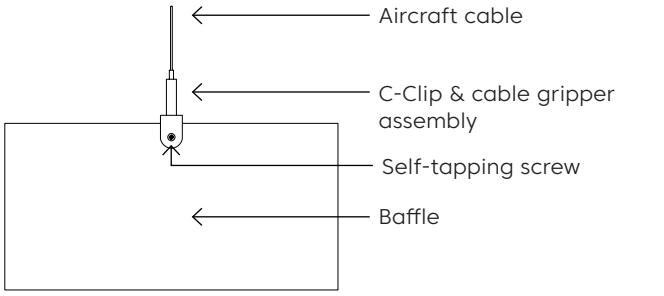
1. Choose Sizes | **2. Choose Colorway** | **3. Choose Mounting Method**

There are several mounting methods available. Choose one that works best for your project needs and preferred aesthetic.

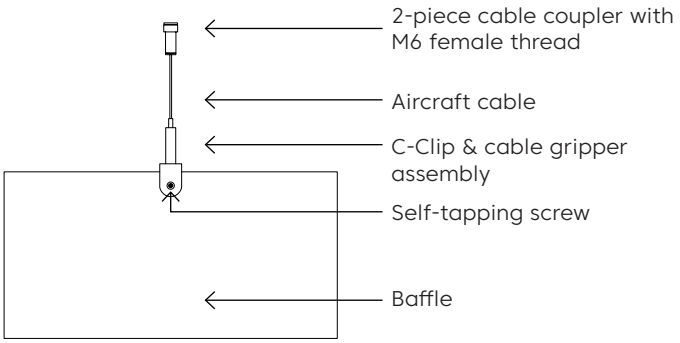
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Mounting Methods

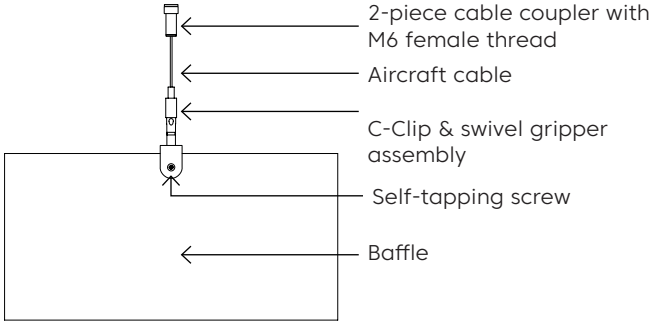
Cable



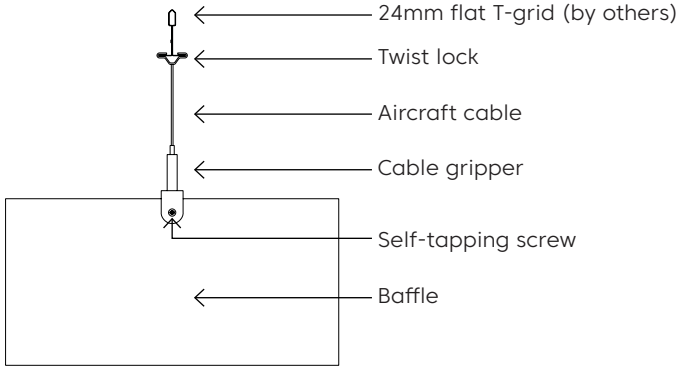
Cable to deck



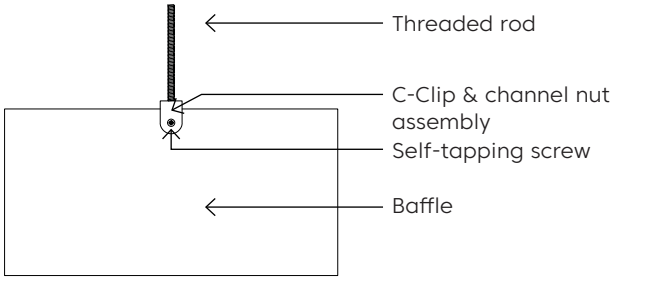
Swivel cable to deck



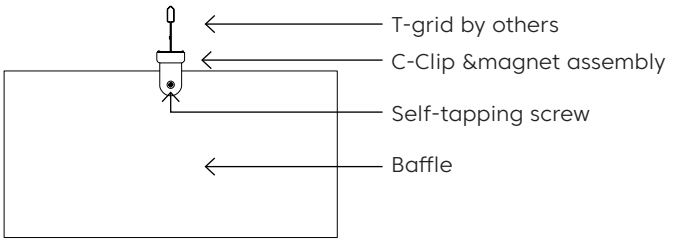
Cable to T-grid



Threaded Rod

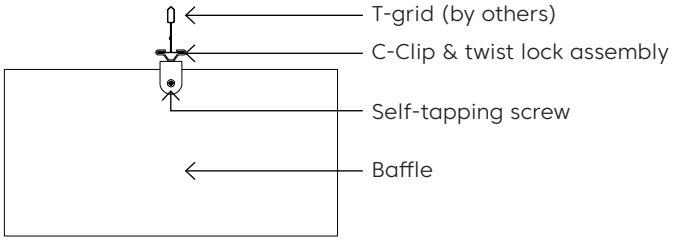


Magnet to T-grid



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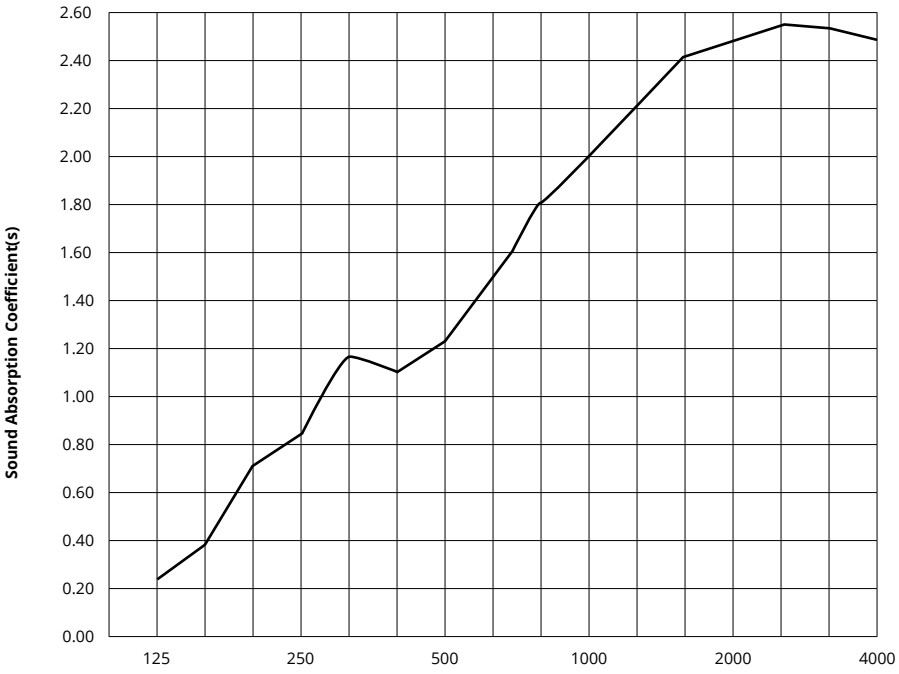
Twist lock to T-grid



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Acoustic Performance

Test Method	ASTM E795-16
Install Method	J-600
Rating Method	ASTM C423-17
Mounting Method	Sample tested 5 baffles 2794mm L x 305mm H x 76mm D, hanging 600mm from floor and 152mm from each other
Test Results	NRC 1.65 SAA 1.68



Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
76mm Baffle	0.26	0.86	1.25	2.02	2.49	2.49	1.65

What is a Noise Reduction Coefficient (NRC)?

You'll find the NRC rating in the specifications of all of our products. This acronym stands for Noise Reduction Coefficient, and is expressed as a single number, a rating that describes the degree to which acoustic products can absorb sound.

You can use NRC values to understand the overall performance of our acoustic wall and ceiling products. The higher the NRC, the better the product is at soaking up the sound.

Performance Indices: Noise Reduction Coefficient (NRC) results represent the absorption coefficients measured at the one third octave bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customization of installation of the product could alter the results. Sound Absorption Average (SAA) indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz.

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