



## Step Ceiling Baffles

Premier Collection

A stair-step approach to providing movement, Step acoustic ceiling baffles provide plenty of areas to capture unwanted sound. The series of six baffles installed in various sequences provide interesting textural effects.

## Specifications

<b>Surface</b>	Ceiling
<b>Material</b>	FilaSorb™ polyester felt
<b>Thickness</b>	1/2", 12mm (±10%) 1", 24mm (±10%)
<b>Weight</b>	0.49 lb./ft <sup>2</sup> (±10%) 0.98 lb./ft <sup>2</sup> (±10%)
<b>Standard Sizes</b>	<i>Height ranges from end-to-end (2:1)</i> Height A: 4" up to 24" (2" increments) Height B: 2" up to 12" (1" increments) Lengths: Range from 12" up to 110" <i>See page 4 for more details. Custom sizes available</i>



Step Ceiling Baffle in Ivory

## Technical

<b>NRC Rating</b>	12mm 1.30 24mm 1.15
<b>Fire Test</b>	ASTM E84, Class A Flame spread index: 15 Smoke developed index: 200
<b>Water Sorption</b>	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
<b>Colorfastness</b>	ISO 105-B02, 6-7

## Details

<b>Lead Time</b>	3 – 6 weeks
<b>Origin</b>	Manufactured and assembled in the US
<b>Warranty</b>	Product: 20 years* Colorfastness: 20 years*

\* Conditions apply

## Environmental

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

\* PET is recyclable through participating partners.

\*\* HPD only applies to 12mm thickness.



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Call 800.966.8557 with questions or visit [acoufelt.com](http://acoufelt.com) for more product information, downloads, and colorways.

# Colorways

## PREMIER

							
White WH12	Almond AL55	Celery CE65	Sencha SE58	Metal ME03	Flamingo FL61	Quartz QU67	Turmeric TU60
							
Platinum PL04	Pearl PE21	Pistachio PI25	Thistle TH28	Stonewash ST72	Amethyst AM69	Valentine VA70	Wheat WH68
							
Grey GR02	Ivory IV11	Eucalyptus EU71	Peacock PE20	Periwinkle PE23	Lilac LI13	Peach PE19	Popcorn PO26
							
Slate SL27	Umber UM54	Wasabi WA29	Sea Salt SE57	Marine MA15	Berry BE06	Peppercorn PE22	Carrot CA08
							
Charcoal CH01	Walnut WA56	Oregano OR18	Azure AZ05	Iris IR10	Flint FL64	Shiraz SH63	Currant CU59
							
Piano Black PI24	Midnight MI16	Kale KA12	Denim DE09	Granite GR62			

Order samples at [acoufelt.com/colorways](https://acoufelt.com/colorways)

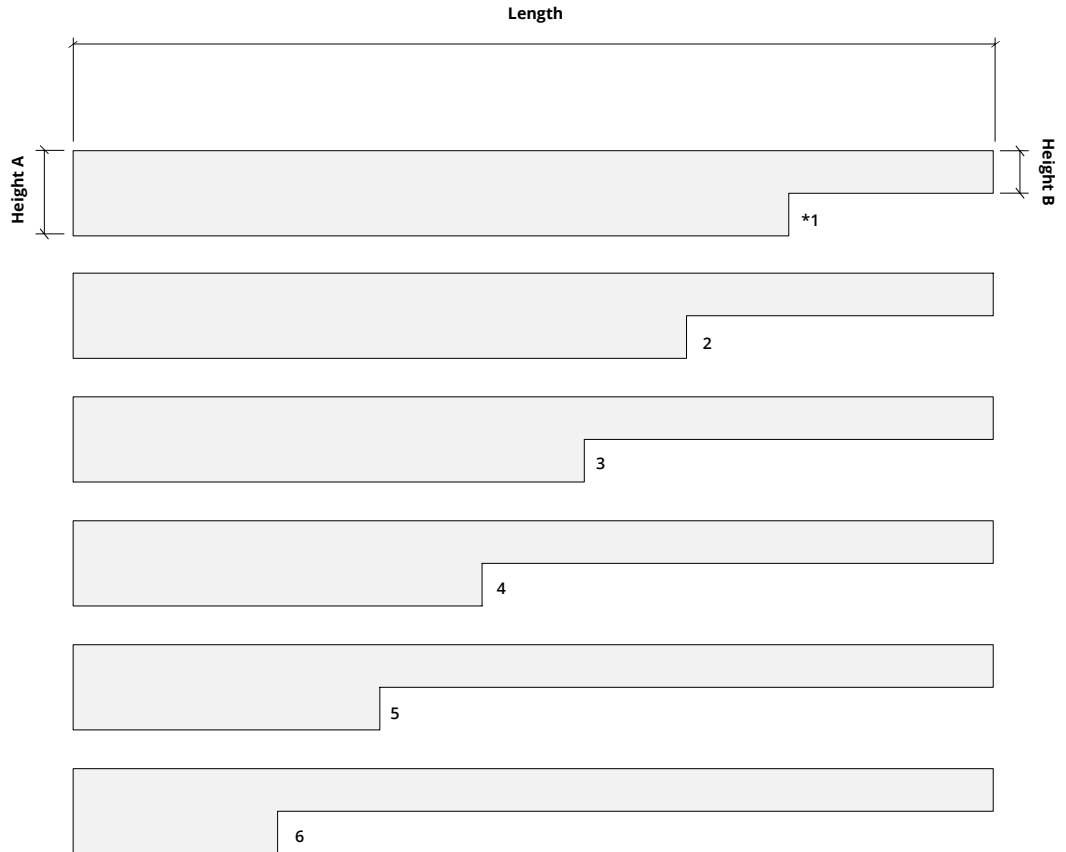
# Sizes

**Standard Heights** *Height ranges from end-to-end (2:1)*  
 Height A: 4" up to 24" (2" increments)  
 Height B: 2" up to 12" (1" increments)  
*Custom sizes available*

**Standard Lengths** 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 110" L  
*Custom sizes available*

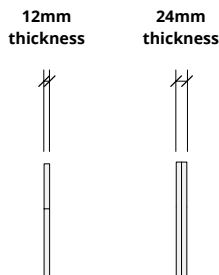
**Thickness** 1/2", 12mm (±10%)  
 1", 24mm (±10%)

Height A	Height B
4"	2"
6"	3"
8"	4"
10"	5"
12"	6"
14"	7"
16"	8"
18"	9"
20"	10"
22"	11"
24"	12"



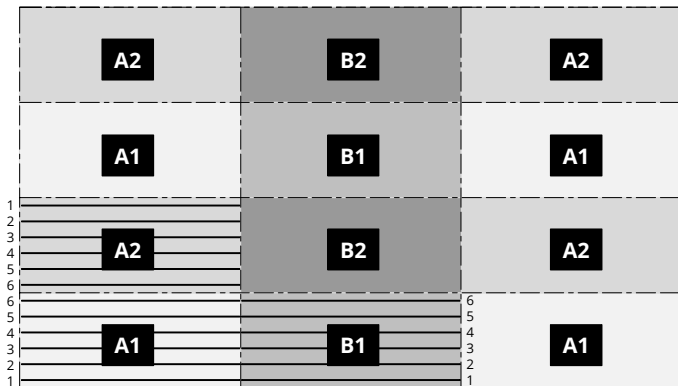
*Height range from Point A to Point B is 2:1*

*\*Refer to page 6 for baffle plan and sequences.*



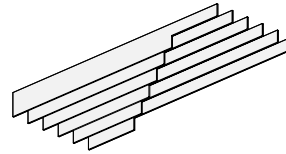
# Recommended Layouts

## Typical layout



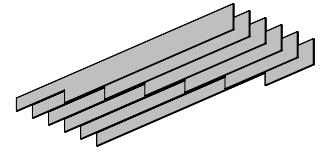
## Module layouts

**A1**



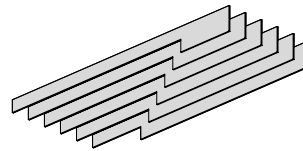
**B1**

Reflected direction of A1



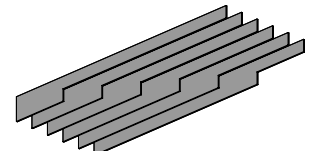
**A2**

Reverse order of A1

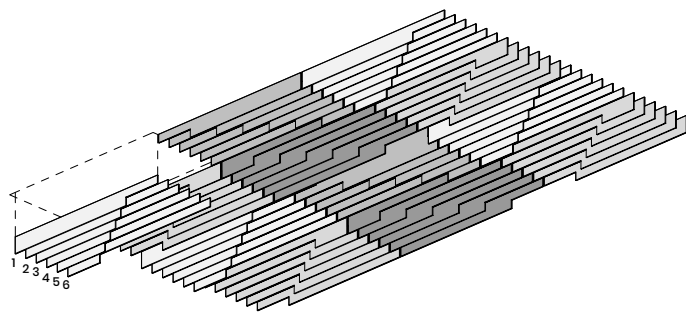


**B2**

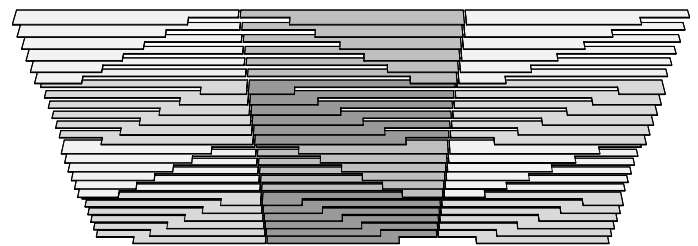
Reverse order of B1



## Perspective

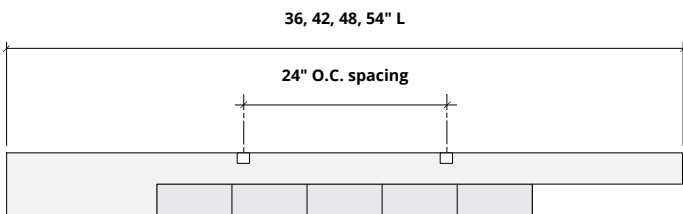
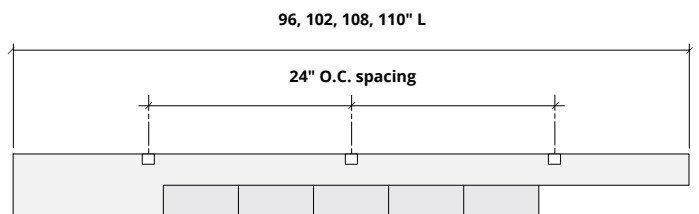
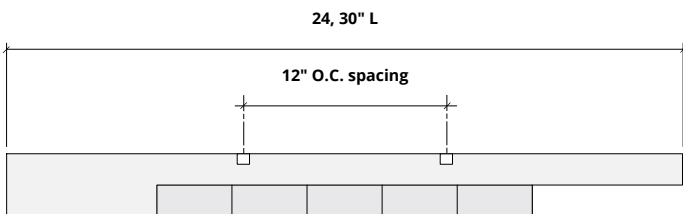
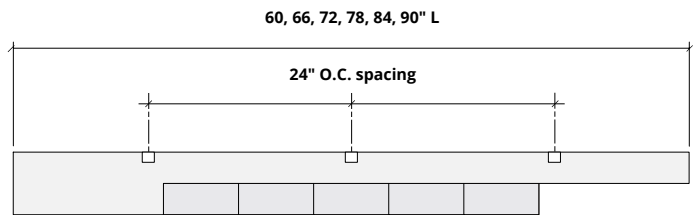
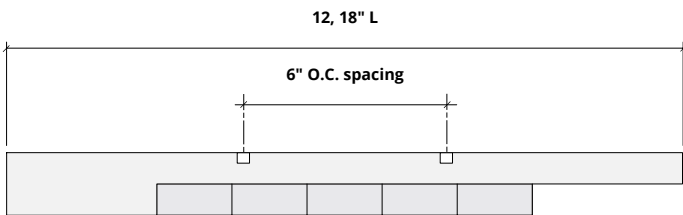


## Front perspective



# Hardware Spacing

12, 18" L	6" on center spacing
24, 30" L	12" on center spacing
36, 42, 48, 54" L	24" on center spacing
60, 66, 72, 78, 84, 90" L	24" on center spacing
96, 102, 108, 110" L	30" on center spacing



# How to Specify

**1. Choose Module Size**

**2. Choose Module Quantity**

**3. Choose Mounting Method**

Determine preferred material thickness, length and height.

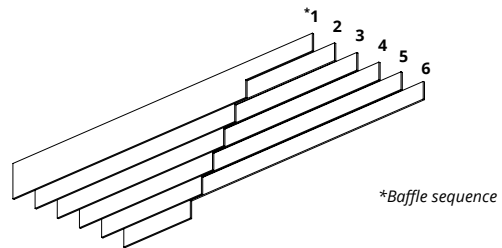
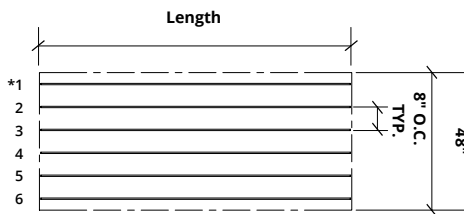
**1. Choose Module Size**

**2. Choose Module Quantity**

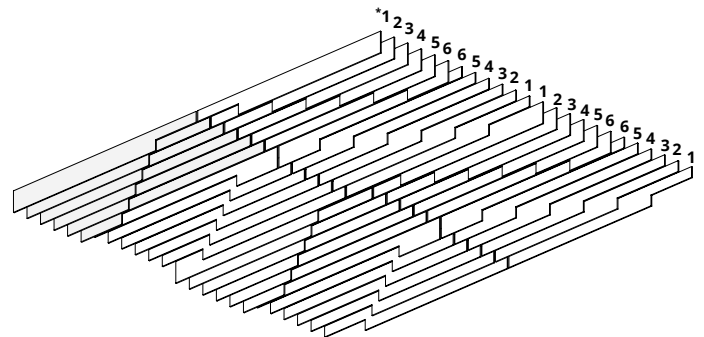
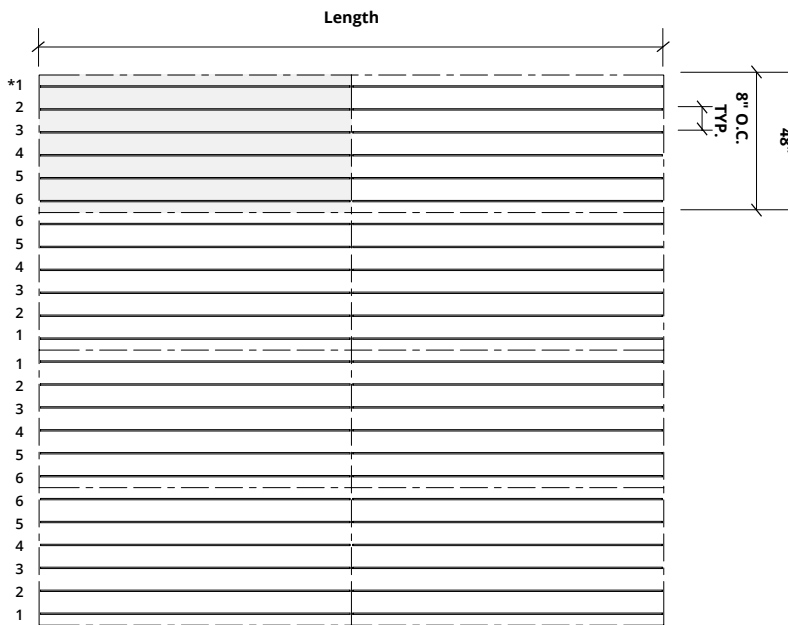
**3. Choose Mounting Method**

Each module includes 6 baffles installed 8" on center.

## Single module



## Multiple modules



**1. Choose Module Size**

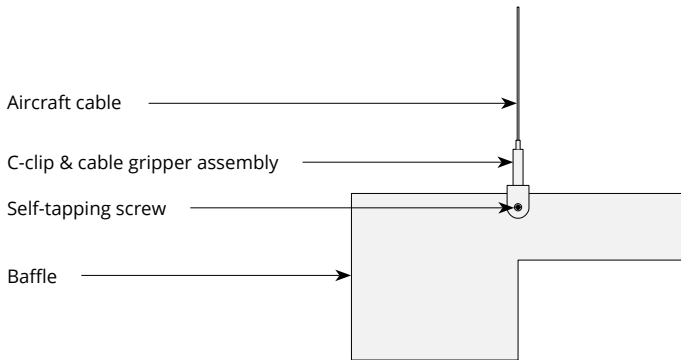
**2. Choose Module Quantity**

**3. Choose Mounting Method**

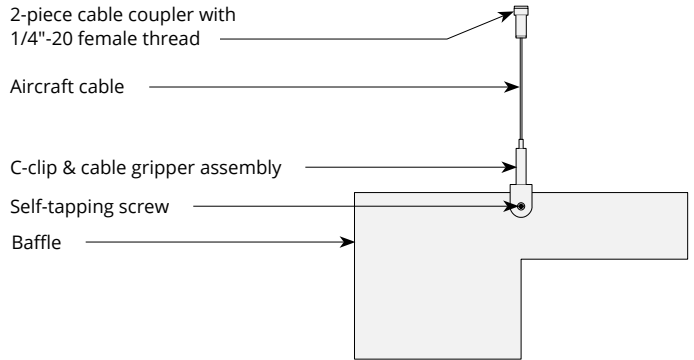
There are several mounting methods available. Choose one that works best for your project needs and preferred aesthetic.

# Mounting Methods

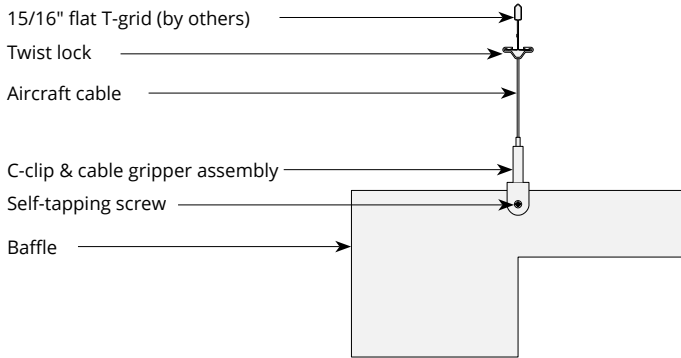
## Cable



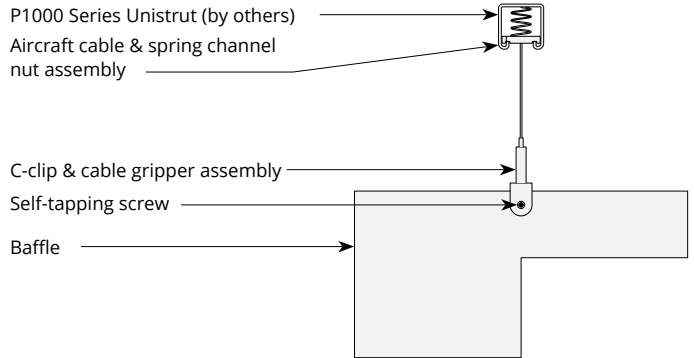
## Cable to deck



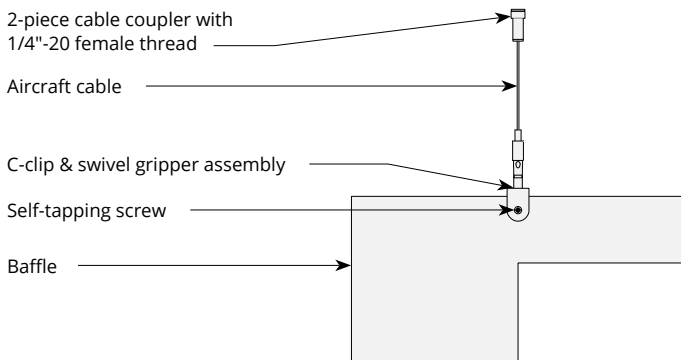
## Cable to T-grid



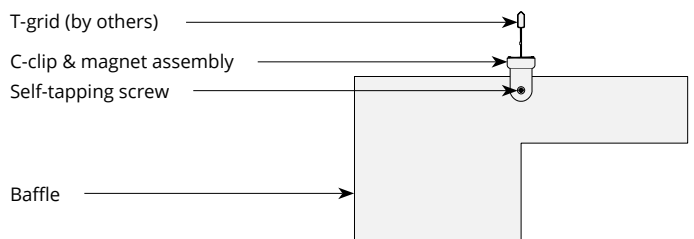
## Cable to Unistrut



## Swivel cable to deck



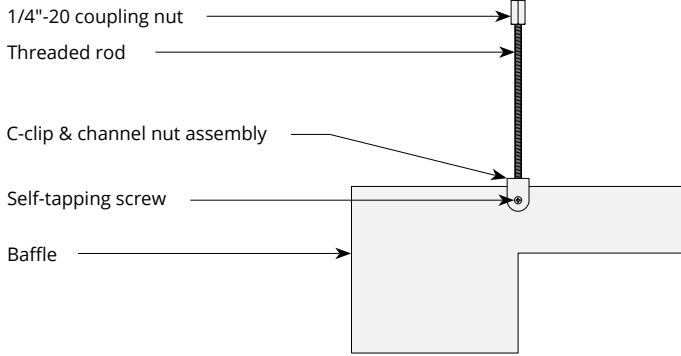
## Magnet to T-grid



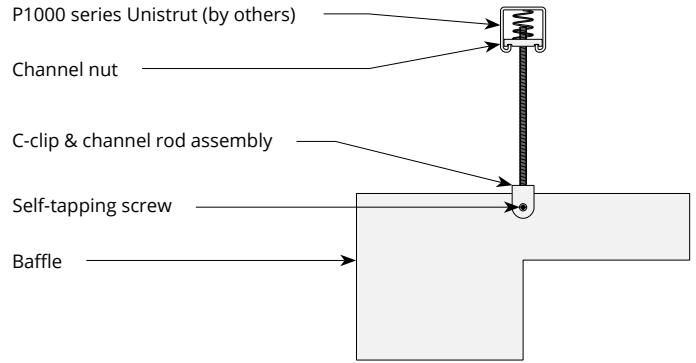


# Mounting Methods cont'd.

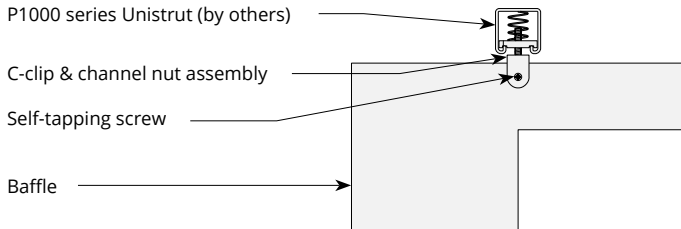
## Threaded rod



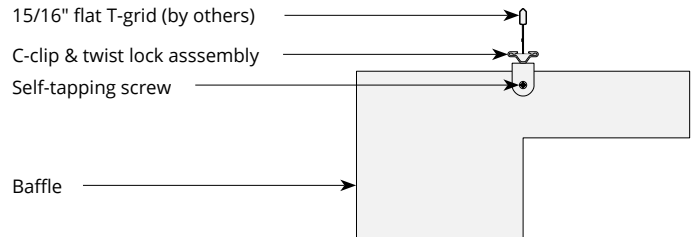
## Threaded rod to Unistrut



## Direct to Unistrut



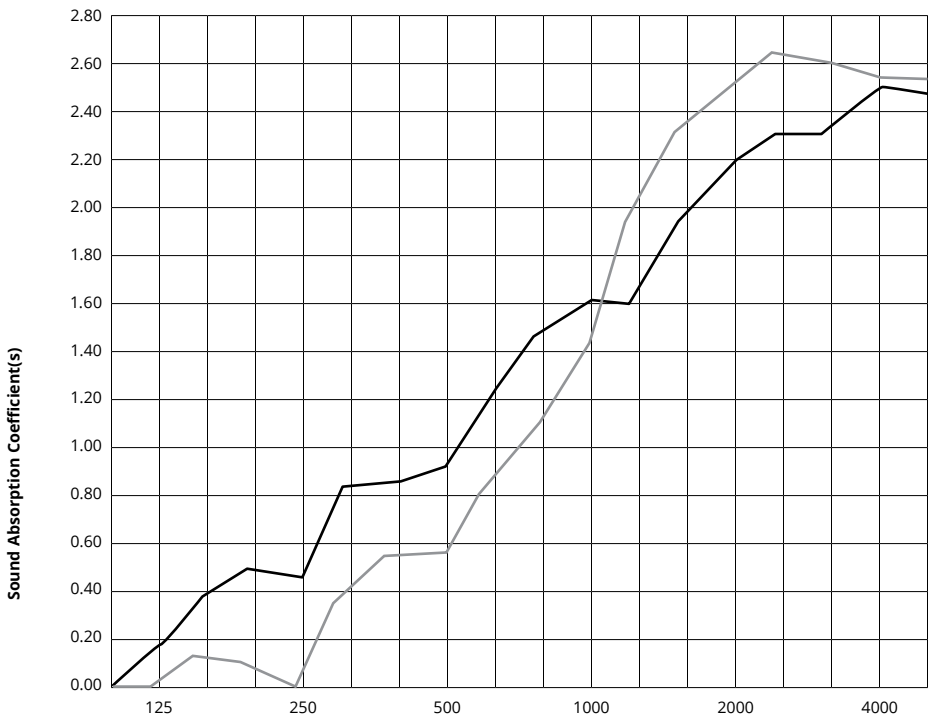
## Twist lock to T-grid



# Acoustic Performance

<b>Test Method</b>	ASTM E795-16
<b>Install Method</b>	J-600
<b>Rating Method</b>	ASTM C423-17
<b>Mounting Method</b>	Sample tested 6 baffles 110" L x 12" D, 12mm and 24mm thickness, sample hanging 600mm from floor and 6" O.C. from each other

<b>Test Results</b>	<b>12mm</b>
	NRC 1.30
	SAA 1.32
	<b>24mm</b>
	NRC 1.15
	SAA 1.19



	Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
	<b>12mm</b>	0.17	0.44	.93	1.62	2.20	2.51	<b>1.30</b>
	<b>24mm</b>	0.01	0.00	0.56	1.45	2.52	2.55	1.15

## 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.*