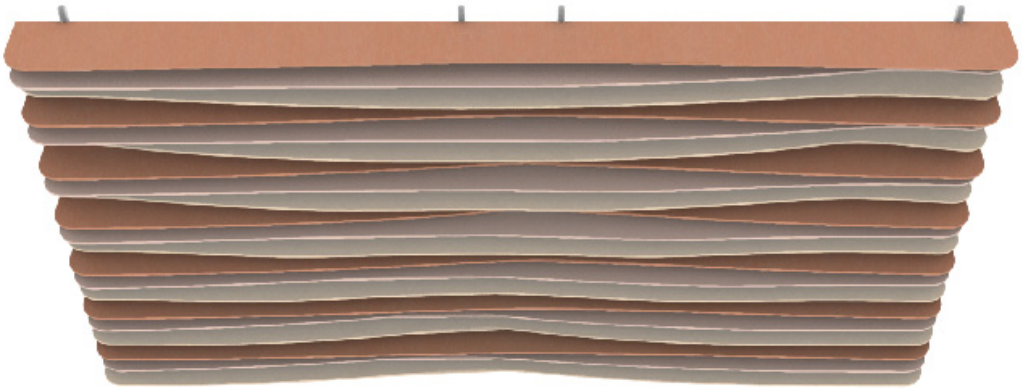
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Fusion Baffle

General Information



Data

Applicable article numbers

713.12.46.000.00	713.12.47.000.00
713.12.48.000.00	713.12.49.000.00

Dimensions[1]

Height range	125-295mm	5"-11.5"
Spacing options	100 or 200mm	4" or 8"
Material thickness	12mm	0.47"
Length	on demand	on demand

Custom solutions available

Material

Baffles	100% PET (60% post-consumer) in 45 colors.
Strut profiles	Steel (galvanized or powder coated black)

Extended document available

Weight[2]

Baffles	2.4kg/m^2 (±10%)	0.49 lbs/ft^2 (±10%)
Strut profile	0.62kg/m	0.99 lbs/ft

Included

Custom baffles

Suspension system

Installation guide

Design revision

Warranty 10 years[3]

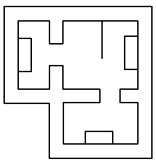
1 - all dimentions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

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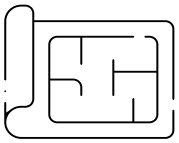
Fusion Baffle
Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

1 Prepare this information:



Project Area
(Ceiling, Wall or Both)

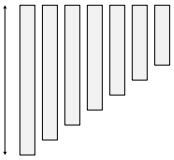


Ceiling Plans (RCP)
and/or Elevations
page 10

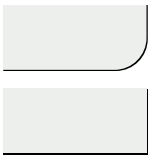


Other Considerations
page 10

2 Specify your Baffles:



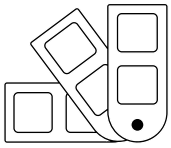
Height
page 4-5



Corner Shape
page 4-5

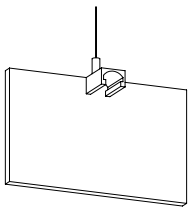


Spacing
page 4-7

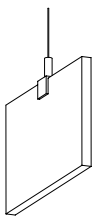


Colors
(2 or 3)
page 11

3 Select installation method:



Strut Track
(Default Option)
page 8



Direct Gripper

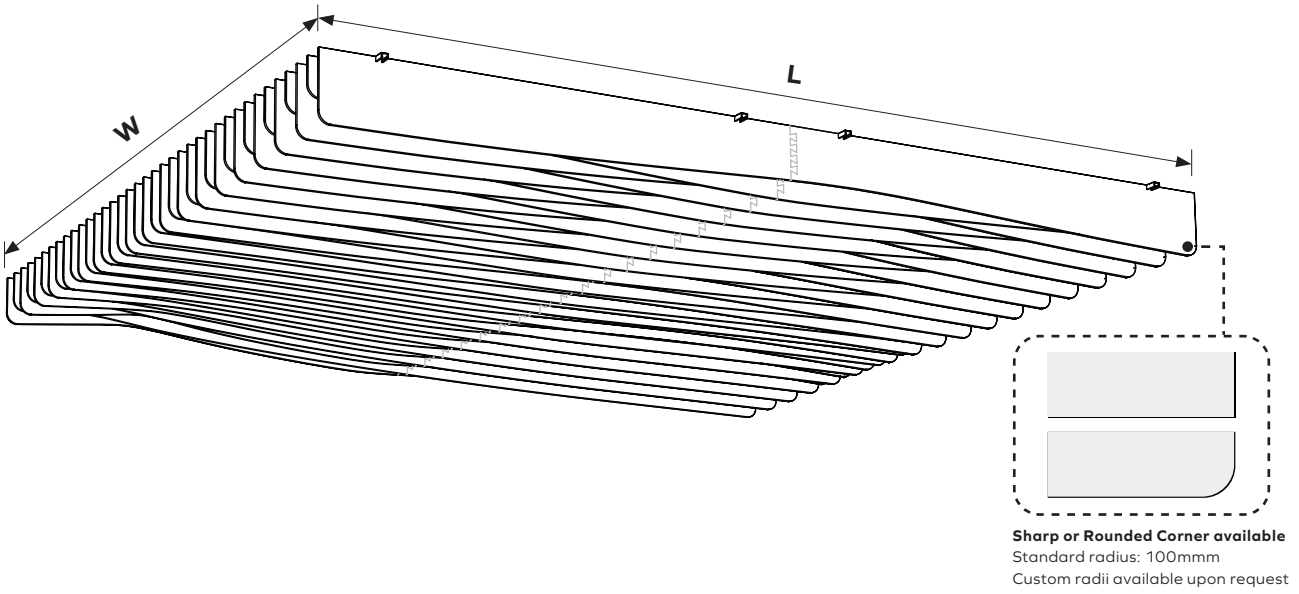
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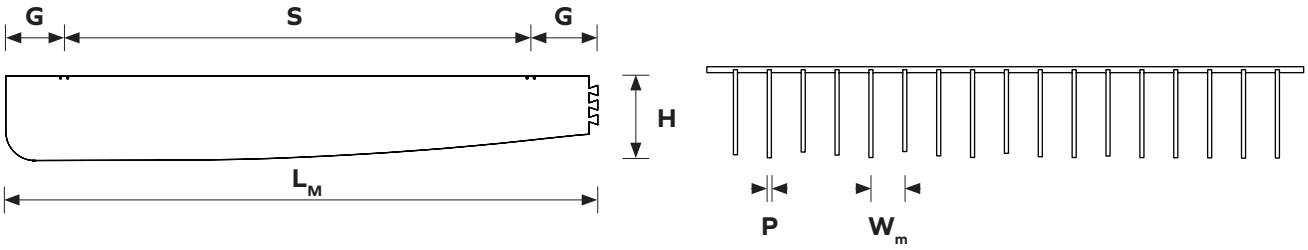
Fusion Baffle
Geometry Information

Fusion - Ceiling Application

Explore the various standard and custom sizes in our product families. See the drawing below for an overview of basic dimensions, modules and ranges.

Customize our **Fusion** products beyond the presented values - contact us for details.





Dimensions table

W	Total width	on demand	on demand	*bespoke*
W_m	Spacing	100mm or 200mm	4" or 8"	*standard or bespoke*
L	Total length	on demand	on demand	*bespoke*
L_m	Length module	1200-2800mm	48''-110"	*standard*
G	Overhang	max. 400mm	15.75"	*standard*
S	Support spacing	max. 900	max. 35.5"	*standard*
H	Baffle height	125-295mm	5"-11.5"	*standard or bespoke*
P	PET material thickness	12mm	0.47"	*fixed*

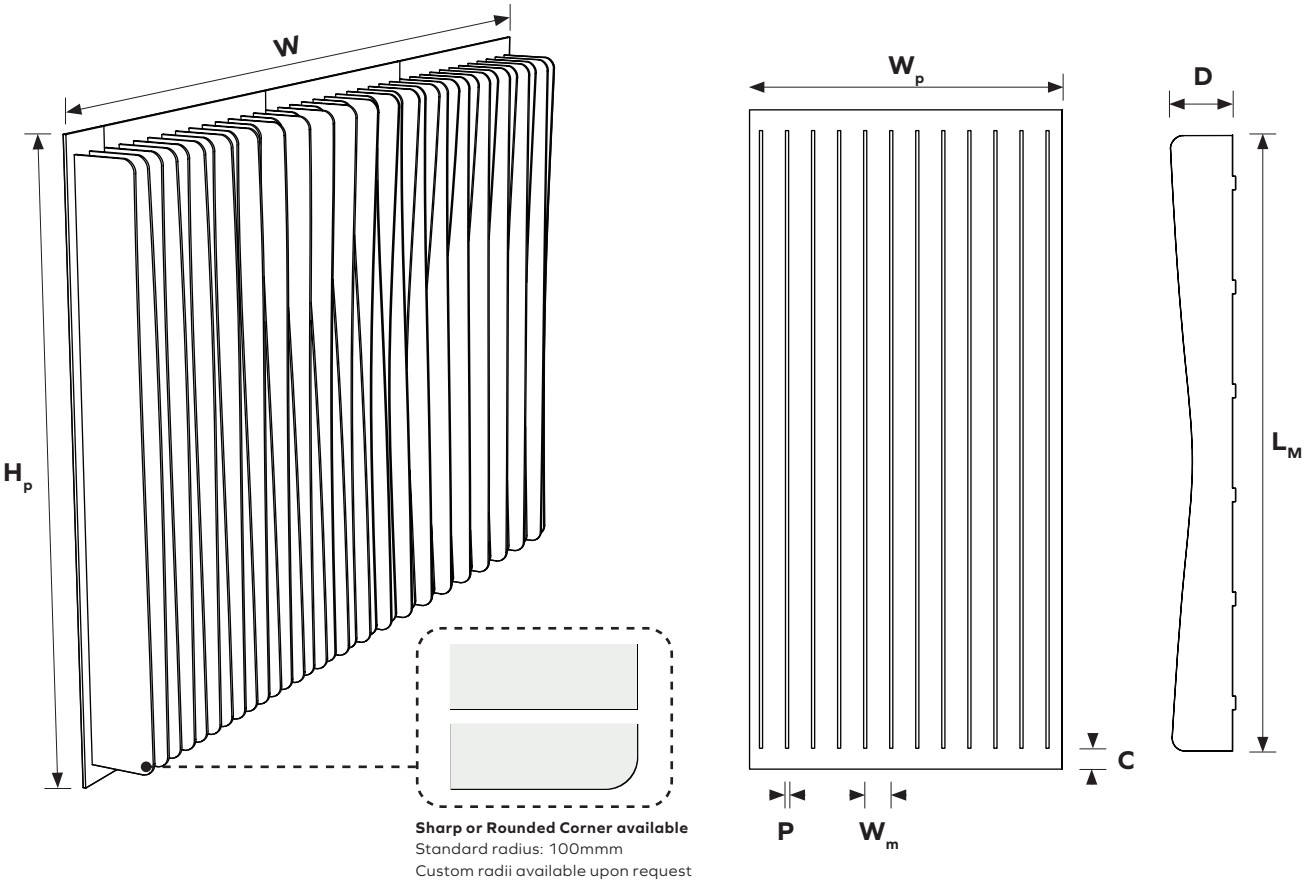
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Fusion Baffle
Geometry Information

Fusion - Wall Application

Explore the various standard and custom sizes in our product families. See the drawing below for an overview of basic dimensions, modules and ranges.

Customize our **Fusion** products beyond the presented values - contact us for details.



Sharp or Rounded Corner available
Standard radius: 100mmm
Custom radii available upon request

Dimensions table

H_p	Panel height	max. 2800	110.25"	*standard*
W	Total width	on demand	on demand	*bespoke*
W_p	Panel width	max. 1200mm	max. 47.25"	*standard*
W_m	Spacing	100mm or 200mm	4" or 8"	*standard or bespoke*
L_m	Length module	1200-2800mm	48''-110"	*standard*
C	Floor clearance	80mm	3"	*recommended*
D	Baffle depth	125-295mm	5"-11.5"	*standard or bespoke*
P	PET material thickness	12mm	0.47"	*fixed*

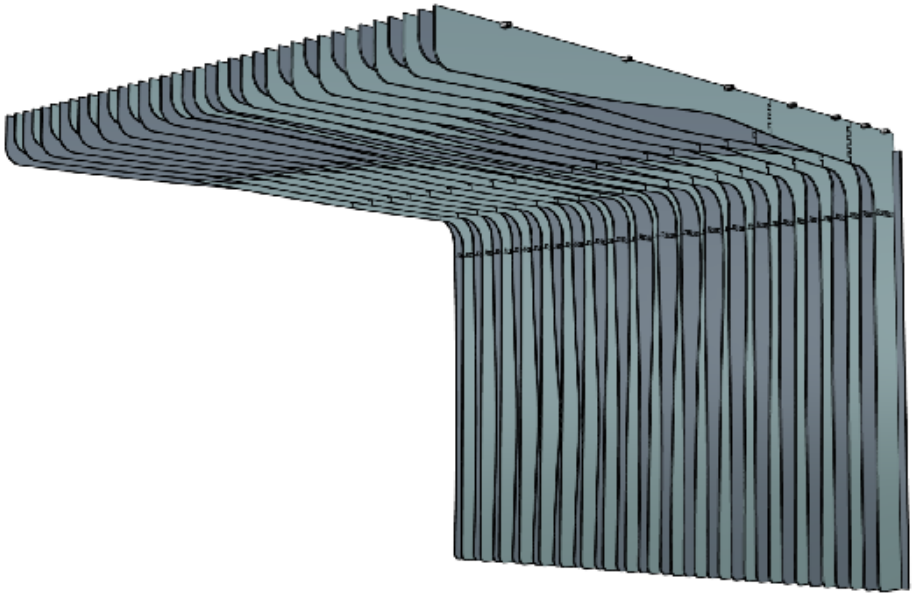
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Fusion Baffle
Product Family Overview

1 Fusion 2 Color Baffles - 100mm Spacing

Customizable product

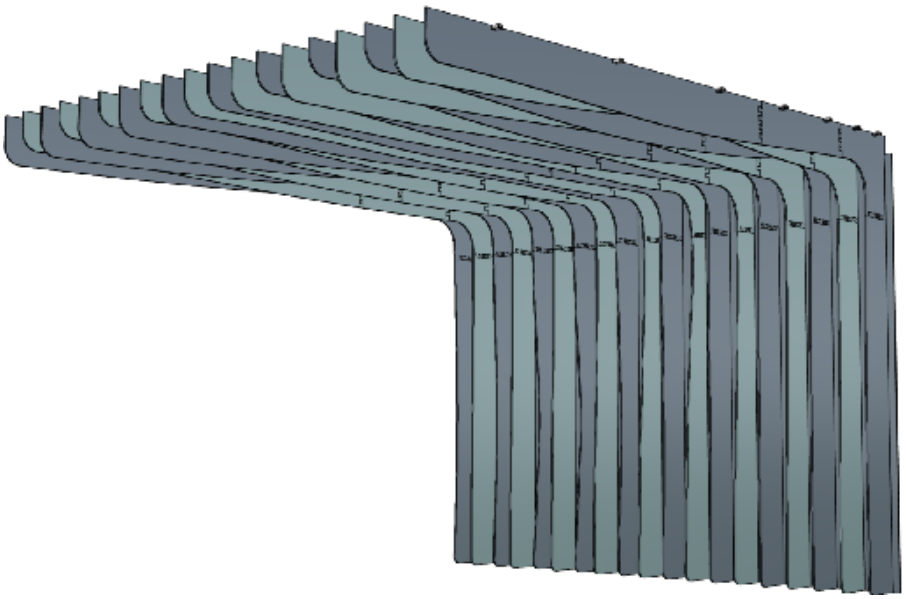
713.12.46.000.00 - Baffle 2 Color Fusion (S100) (S4")



2 Fusion 2 Color Baffles - 200mm Spacing

Customizable product

713.12.47.000.00 - Baffle 2 Color Fusion (S200) (S8")



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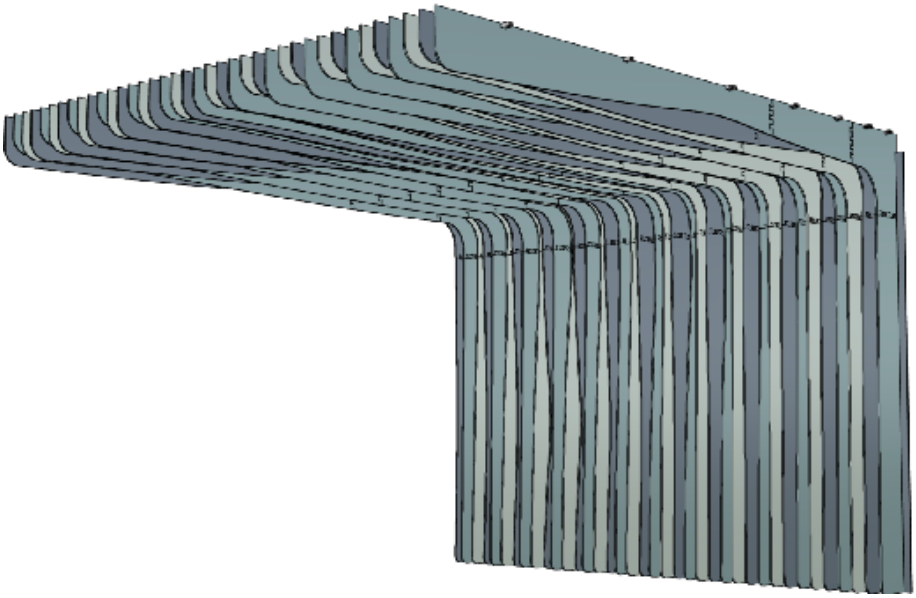
Fusion Baffle

Product Family Overview

3 Fusion 3 Color Baffles - 100mm Spacing

Customizable product

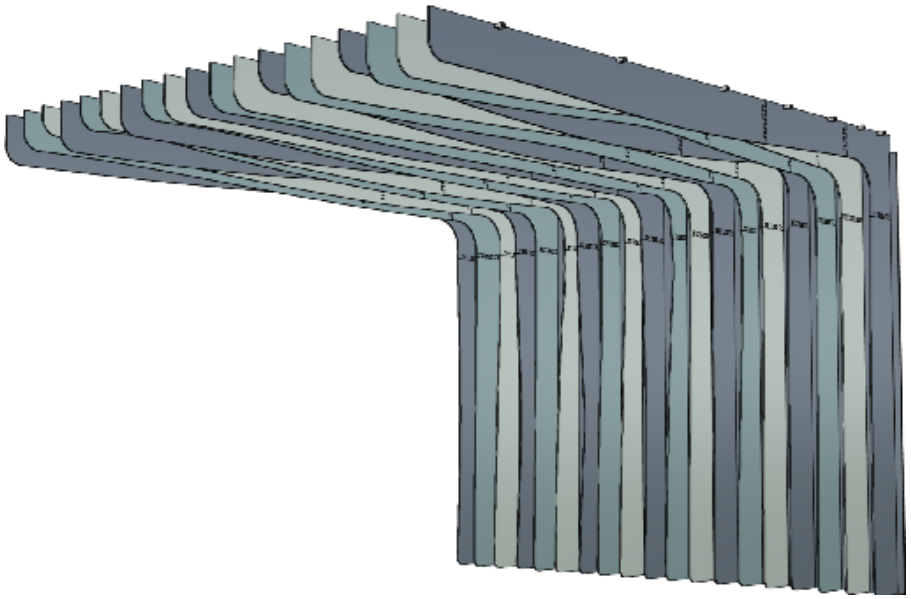
713.12.48.000.00 - Baffle 3 Color Fusion (S4")



4 Fusion 3 Color Baffles - 200mm Spacing

Customizable product

713.12.49.000.00 - Baffle 3 Color Fusion (S8")

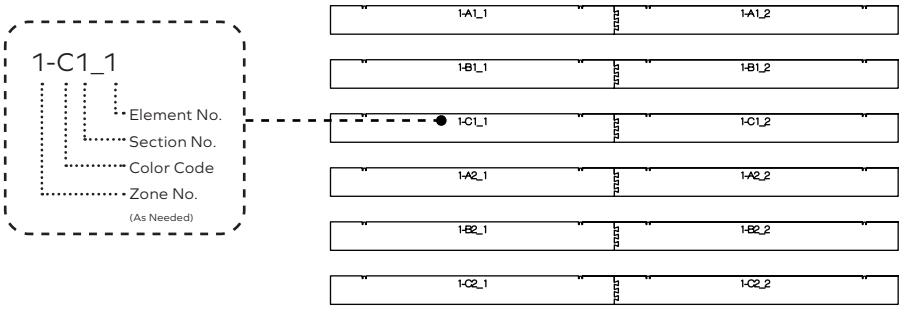


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Fusion Baffle
Installation Overview

1 Verify and organize

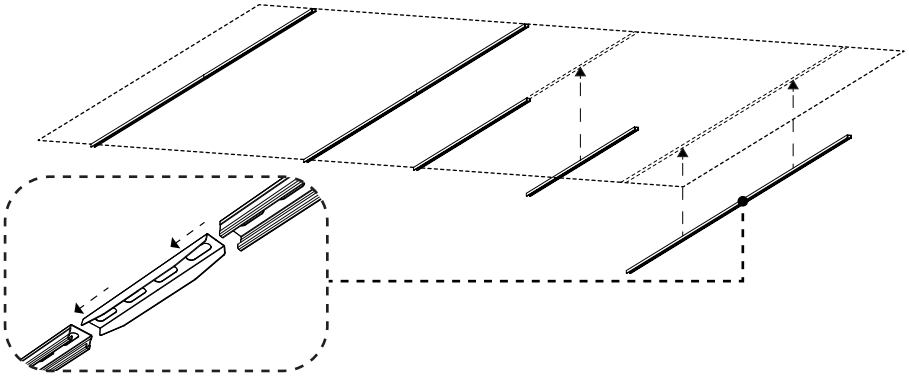
Verify all delivered elements and organize them based on the included labeling of each part and the supplied drawings.



2 Install mounting hardware

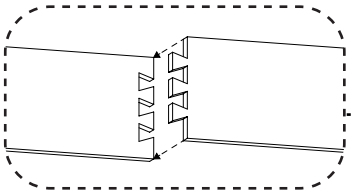
Measure, mark and fix suspension hardware to your ceiling.

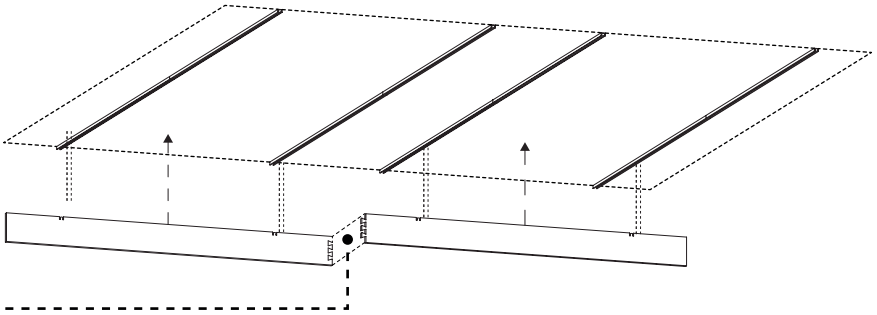




3 Install baffles

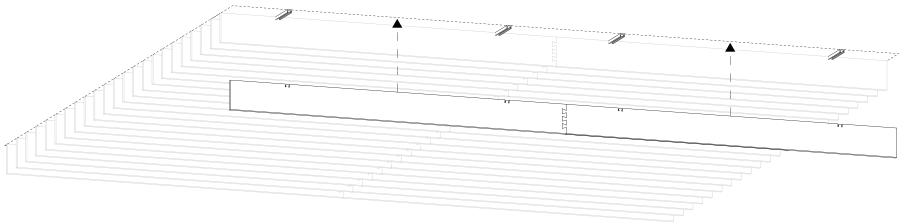
Fix baffle segments to mounting hardware and connect them together using the dovetail joints.





4 Repeat until done

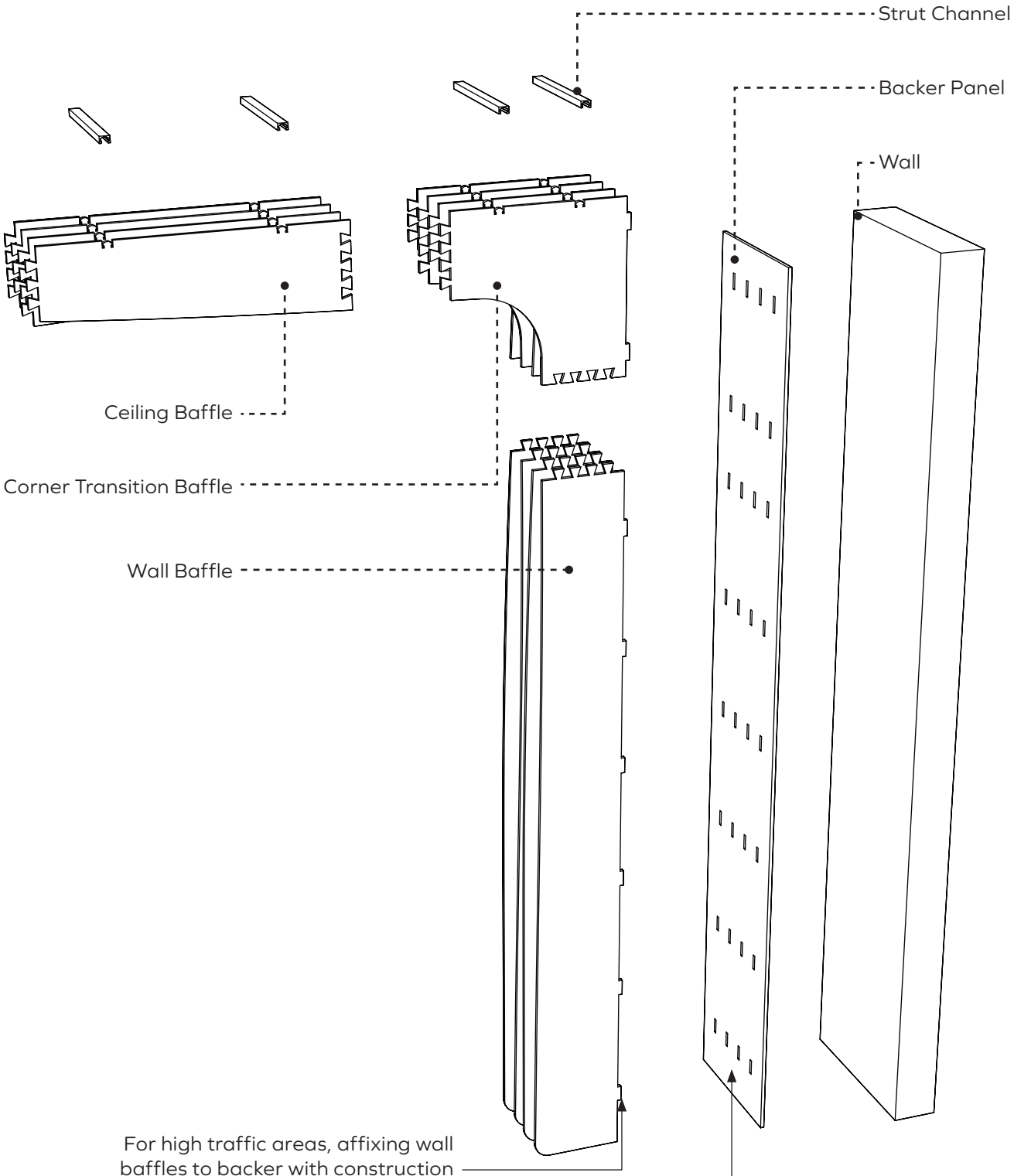
Repeat Step 3, installing one baffle row at a time, and using the supplied Spacer Element to keep always the same spacing.



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Fusion Baffle

Components and Assembly



For high traffic areas, affixing wall baffles to backer with construction adhesive is recommended

A clearance of 80mm from the finished floor to the bottom edge of the Fusion wall baffles is recommended for optimal installation.

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Fusion Baffle
Planning Considerations

When planning the addition of a Fusion Ceiling Baffle System to your space, please consider the following aspects.

1 Project Area

Check and verify the project area where the Ceiling Baffle System will be installed. This will allow us to provide you with an accurate quote.

2 Reflected Ceiling Plans

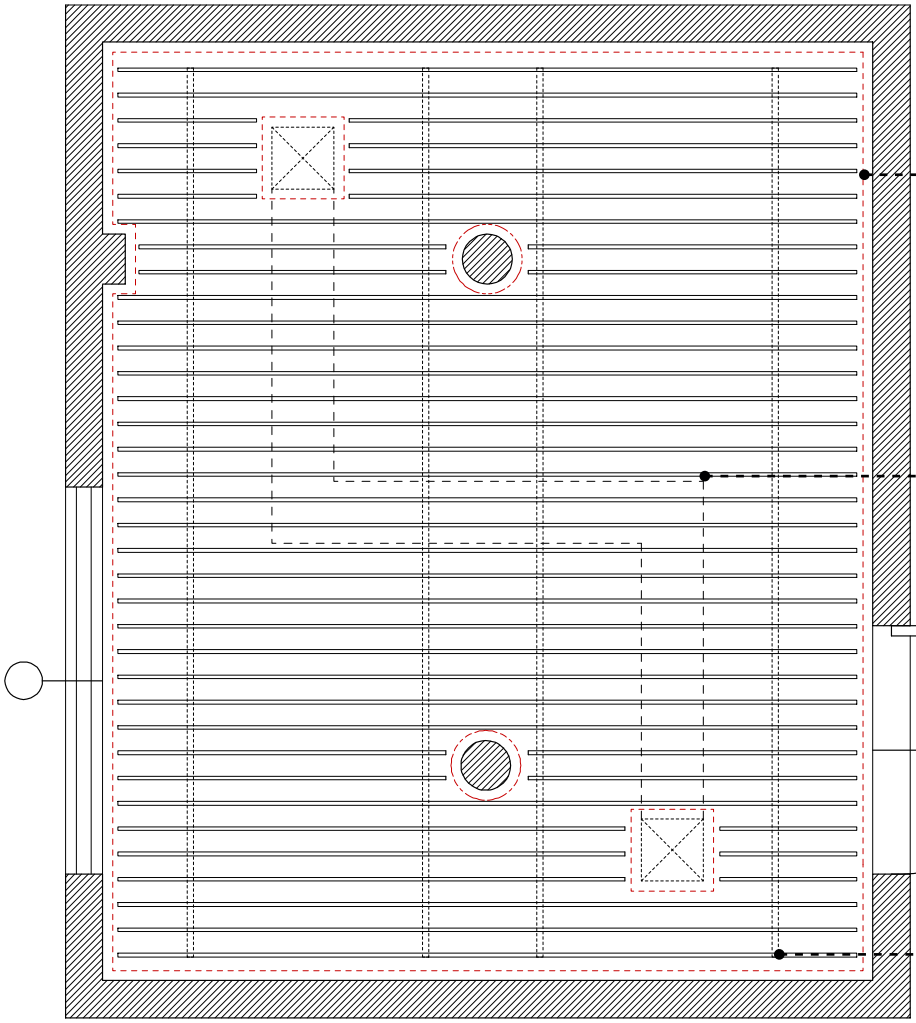
Verify if RCP drawings for the space are available. This will help plan for any obstacles like columns and air-ducts that might collide with the Baffles.

3 Additional considerations

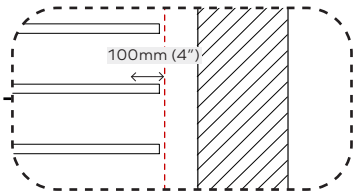
Consider access to high windows and doors.

Verify the type of material to which the support elements will be mounted.

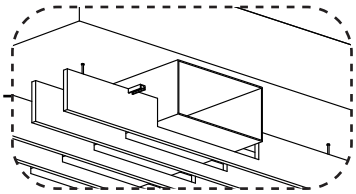
Plan for providing min. 100mm (4") safe space distance from Baffles to other elements

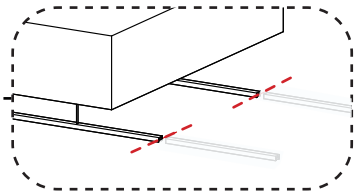


RCP drawing example



Consider possible cutouts for the air ducts.





The provided strut tracks might need to be cut to measure on site.

ARCHISONIC®
Colours

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Name	Snow White	Cloud	Smoke	Slate	Charcoal	Raven	Ground	Gull	Milk
Code	**500**	**103**	**442**	**444**	**542**	**550**	**108**	**144**	**404**
NCS	S 0300-N	S 1002-B	S 3005-R80B	S 4500-N	S 7502-B	S 8500-N	S 5005-Y20R	S2502-Y	S 0502-Y

Name	Linen	Dune	Jute	Fallow	Warm Stone	Truffle	Sunshine	Honeycomb	Electric Orange
Code	**107**	**104**	**920**	**238**	**105**	**539**	**846**	**139**	**464**
NCS	S 1505-Y30R	S 2005-Y	S 3010-Y30R	S 5010-Y30R	S 3010-Y50R	S 8502-R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

Name	Terracotta	Soft Coral	Cinnabar	Shell Pink	Garnet	Poster Red	Hot Pink	Grape	Marine Blue
Code	**239**	**516**	**725**	**102**	**724**	**662**	**140**	**540**	**864**
NCS	S 4040-Y70R	S 2020-Y90R	S 6030-R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	**S 5040-R40B**	S 4050-R70B

Name	Midnight	Royal Blue	Winter Sky	Deep Sea	Nocturne	True Navy	Ice Blue	Pacific Ocean	Lagoon
Code	**810**	**865**	**410**	**918**	**866**	**194**	**304**	**432**	**917**
NCS	S 7020-R70B	S 3560-R80B	S 2020-R90 B	S 5020-R90B	S 8010-R90B	S8005-B	S 0510-B	S 3040-B	S 7020-B30G

Name	Succulent	Spearmint	Seafoam	Nordic Pine	Moss	Grove	Pistachio	Lichen	Fern
Code	**712**	**706**	**710**	**311**	**439**	**317**	**315**	**160**	**180**
NCS	S 3020-B30G	S 1010-B90G	S 3010-G30Y	S 5030-G10Y	S 2040-G40Y	S 7020-G30Y	S 5020-Y	**S4005-Y**	S6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.

ARCHISONIC®

Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6

ISO 105-B02:A1

Order a free sample box



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Fusion Baffle

Reference Projects





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ARCHISONIC®
Material Specification

Product Name	Archisonic® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness[1]	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic[2, 4]	**ASTM:** NRC=0.6 **ISO**: αw=0.65	**ASTM**: NRC=0.9 **ISO** αw=0.95
Density[1]	2400 g/m² (0.49 lbs/ sqft)	4000 g/m² (0.82 lbs/sqft)
Color Fastness[4]	**Class 6** ISO 105-B02:A1	
Color	**45** colours (see Archisonic® Felt Color page for more information)	
Maintenance	To prevent dust and stains, regularly dust or vacuum with a soft brush. Avoid tools that might scratch the surface. Use mild detergents sparingly for tough stains, blotting instead of rubbing with a microfiber cloth. Test cleaning methods on a hidden area first to check for adverse effects.	
Production Lead Time[3, 4]	21 days	
Fire Rating[4]	DIN EN 13501-1: **B-s1, d0** ASTM E84 **Class A**	
VOC Emission[4]	28 Days French Regulation **A+** ASTM E84 **Pass** Breeam® (International, UK, NL, SE, NOR) **Examplary** CDPH (CDPH/EHLB/Standard-Methode V1.2) **Pass**	
Certifications[4]	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), SCS Recycled Content	
Ink Certifications	UL Greenguard, No NVC, No VOCs, No TPO, Vegan, compliant with California Prop65 (CP65) and European Directive RoHS3	
Durability	Contract	

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product

Climate-KIC is supported by the EIT, a body of the European Union