

BOX BEAM BAFFLE

BOX BEAM BAFFLES are an acoustic suspended box beam baffle design.

Often featuring a timber-printed finish to create a wooden grid effect.

Creating quiet™ through architectural and sustainable acoustic solutions.



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ekkoacoustics.com



BOX BEAM BAFFLE

Design

PET Felt with 57% recycled post-consumer waste

Adjustable suspension mounting rafts or direct kits or surface mount button fix

Flush end caps or structural detail.

5 Years Warranty



EBC/BOX/280/70/87/***

EBC/BOX/280/70/100/***

EBC/BOX/280/50/100/***

Maximum single length 2.8m, but can be joined to create longer lengths.

*** Colour

Bespoke sizes can be made - Speak to your representative.

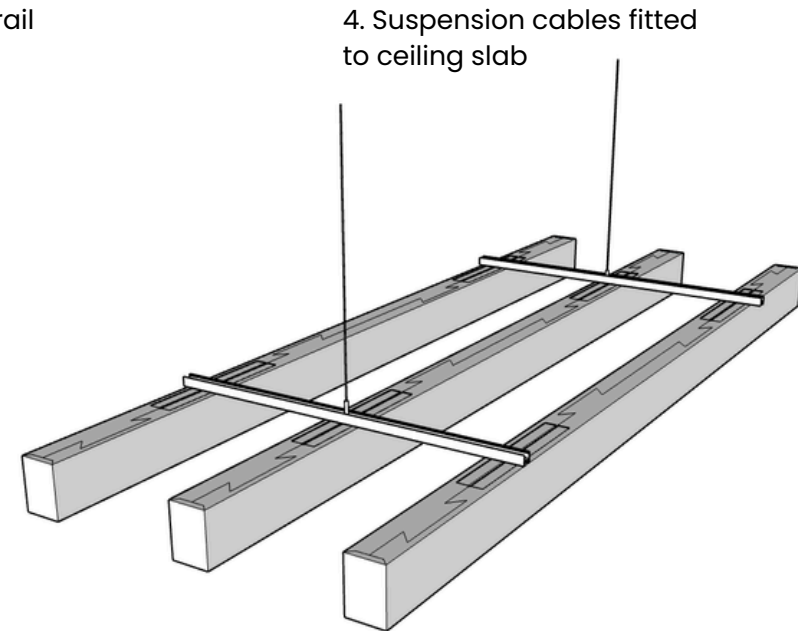
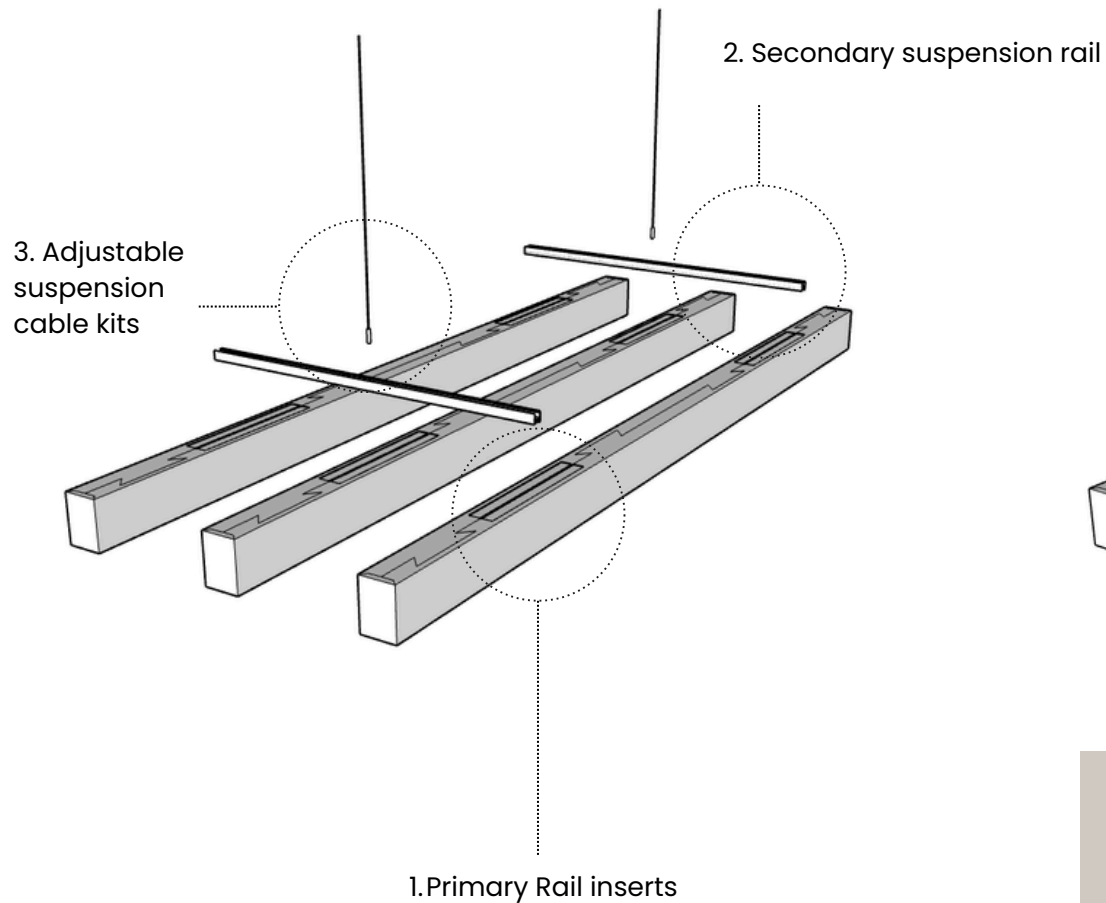
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BOX BEAM BAFFLE

METHOD: Adjustable suspension installation

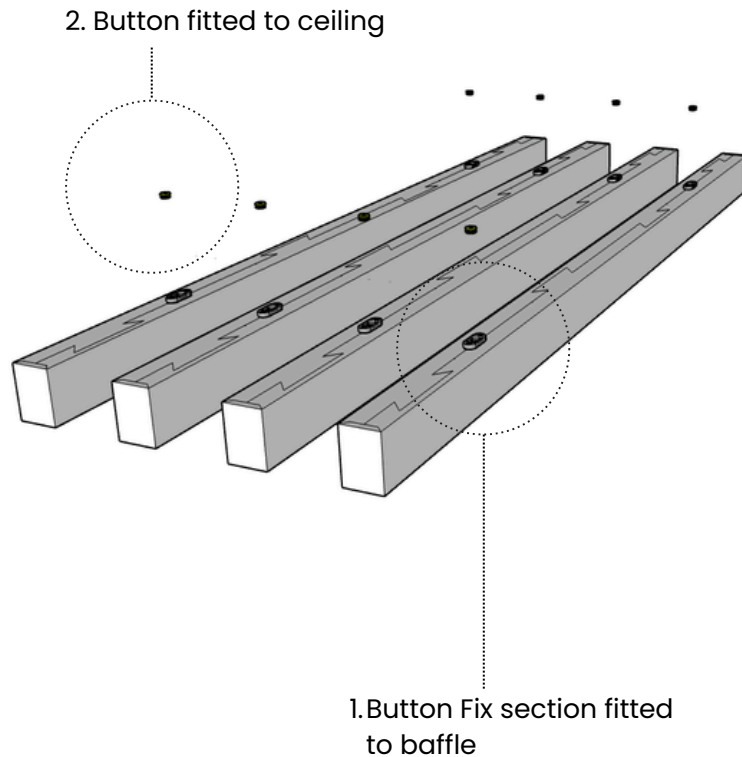


ekko® BOX BEAM
BAFFLES

Suspended installation method allows the baffles to be installed individually or fitted together as a raft, either fully or in sections. This method is time saving for installation on site, its demountable for access to services or maintenance.

BOX BEAM BAFFLE

METHOD: Surface mount fixing



Button Fix method

Both parts of the connector are moulded from 30% glass filled nylon PA6 - a strong and robust engineering polymer.



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BAFFLES

Surface mount installation method allows the baffles to be installed individually direct to the ceiling. This method is ideal for low headroom scenarios. They are demountable for access to services or maintenance.

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Timber & Print Collection: 12mm



Celtic Smoked Oak
12mm thick
2820mm x 1220mm



Swiss Natural Ash
12mm thick
2820mm x 1220mm



Italian Light Oak
12mm thick
2820mm x 1220mm



Bavarian Dark Oak
12mm thick
2820mm x 1220mm



American Black Walnut
12mm thick
2820mm x 1220mm



Printed surfaces (stone, colours, bespoke)
12mm thick
2820mm x 1220mm

Creating quiet with sustainable materials.

ekkofelt® PET Felt panels absorb sound and reduce echo, they are manufactured from 57% compressed and shredded recycled plastic bottles and 43% polyester felt to make a highly sustainable and acoustic diverse material.

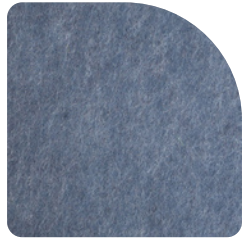
Please note that colours are photographic representations and we would advise ordering a sample.

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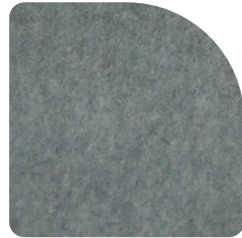
Euro Collection: 12mm



36 French cotton
12mm thick
2820mm x 1220mm



32 Delta Blue
12mm thick
2820mm x 1220mm



22 Iberian Eucalyptus
12mm thick
2820mm x 1220mm



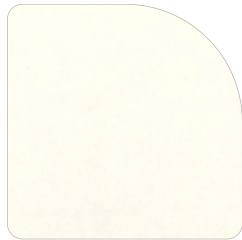
60 Dutch Pebble
12mm thick
2820mm x 1220mm



61 Texel Sand
12mm thick
2820mm x 1220mm



87 Carbon Black
12mm thick
2820mm x 1220mm



99 Ice White
12mm thick
2820mm x 1220mm



50 Nordic Stone
12mm thick
2820mm x 1220mm



70 River Rock
12mm thick
2820mm x 1220mm

Euro Collection: 9mm



57 French Wool
9mm thick
2820mm x 1220mm



87 Carbon Black
9mm thick
2820mm x 1220mm



50 Nordic Stone
9mm thick
2820mm x 1220mm



70 River Rock
9mm thick
2820mm x 1220mm



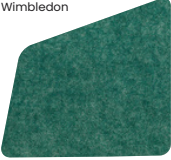
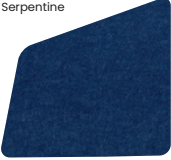


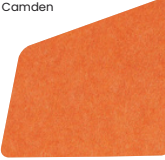

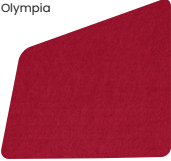


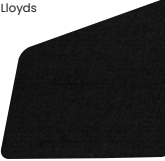
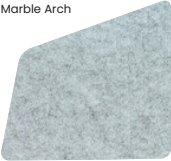
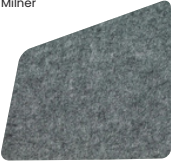
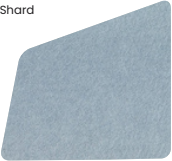
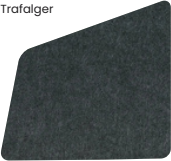



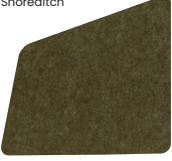
58 Pompeii Marble
9mm thick
2820mm x 1220mm

Creating quiet with sustainable materials.




ekkofelt® PET Felt panels absorb sound and reduce echo, they are manufactured from 57% compressed and shredded recycled plastic bottles and 43% polyester felt to make a highly sustainable and acoustic diverse material.

Please note that colours are photographic representations and we would advise ordering a sample.

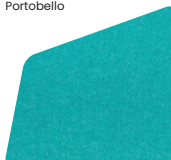
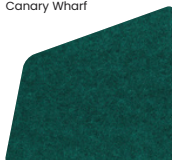
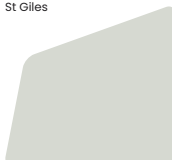

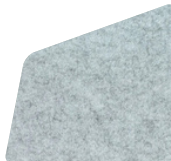



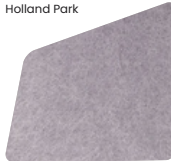
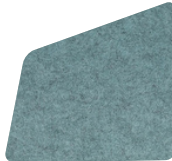
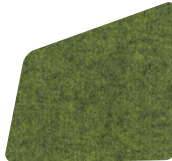




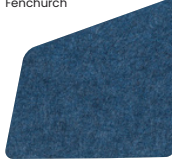
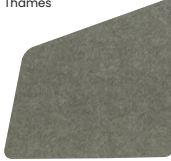



London Collection: 9-18mm

<p>Wimbledon</p>  <p>201-09 2820mm x 1220mm</p>	<p>Serpentine</p>  <p>202-09 2820mm x 1220mm</p>	<p>Buckingham</p>  <p>203-09 2820mm x 1220mm</p>	<p>Downing</p>  <p>204-09 2820mm x 1220mm</p>	<p>Camden</p>  <p>205-09 2820mm x 1220mm</p>
<p>Finsbury</p>  <p>206-09 2820mm x 1220mm</p>	<p>Olympia</p>  <p>207-09 2820mm x 1220mm</p>	<p>City</p>  <p>208-09 2820mm x 1220mm</p>	<p>Southbank</p>  <p>209-09 2820mm x 1220mm</p>	<p>Lloyds</p>  <p>210-09 2820mm x 1220mm</p>
<p>Marble Arch</p>  <p>211-09 2820mm x 1220mm</p>	<p>Milner</p>  <p>212-09 2820mm x 1220mm</p>	<p>Shard</p>  <p>213-09 2820mm x 1220mm</p>	<p>Trafalger</p>  <p>214-09 2820mm x 1220mm</p>	<p>Bank</p>  <p>215-09 2820mm x 1220mm</p>
<p>Senate</p>  <p>216-09 2820mm x 1220mm</p>	<p>Battersea</p>  <p>217-09 2820mm x 1220mm</p>	<p>Shoreditch</p>  <p>218-09 2820mm x 1220mm</p>	<p>18mm detail: 18mm consist of x 2 bonded 9mm ekkofelt sheets, using specialist glue to avoid a reduction in the acoustic efficiency.</p>	

London Collection: 12mm

<p>Borough</p>  <p>610-12 2820mm x 1220mm</p>	<p>Chiswick</p>  <p>602-12 2820mm x 1220mm</p>	<p>Elephant & Castle</p>  <p>606-12 2820mm x 1220mm</p>	<p>Hampton</p>  <p>607-12 2820mm x 1220mm</p>	<p>Regents Park</p>  <p>614-12 2820mm x 1220mm</p>
<p>Shaftsbury</p>  <p>445-12 2820mm x 1220mm</p>				

London Collection: 12-24mm

<p>Portobello</p>  <p>219-12 2820mm x 1220mm</p>	<p>Canary Wharf</p>  <p>231-12 2820mm x 1220mm</p>	<p>Notting Hill</p>  <p>223-12 2820mm x 1220mm</p>	<p>St Giles</p>  <p>230-12 2820mm x 1220mm</p>	<p>Buckingham</p>  <p>203-12 2820mm x 1220mm</p>
<p>Holland Park</p>  <p>211-12 2820mm x 1220mm</p>	<p>Barbican</p>  <p>236-12 2820mm x 1220mm</p>	<p>Kew</p>  <p>239-12 2820mm x 1220mm</p>	<p>Hammersmith</p>  <p>509-12 2820mm x 1220mm</p>	<p>Sloane</p>  <p>225-12 2820mm x 1220mm</p>
<p>Kings cross</p>  <p>227-12 2820mm x 1220mm</p>	<p>Chelsea</p>  <p>220-12 2820mm x 1220mm</p>	<p>Piccadilly</p>  <p>235-12 2820mm x 1220mm</p>	<p>Fenchurch</p>  <p>233-12 2820mm x 1220mm</p>	<p>Thames</p>  <p>229-12 2820mm x 1220mm</p>
<p>Richmond</p>  <p>440-12 2820mm x 1220mm</p>	<p>Hamleys</p>  <p>221-12 2820mm x 1220mm</p>	<p>Whitehall</p>  <p>438-12 2820mm x 1220mm</p>	<p>Bank</p>  <p>215-12 2820mm x 1220mm</p>	<p>Greenwich</p>  <p>226-12 2820mm x 1220mm</p>
<p>St Pauls</p>  <p>232-12 2820mm x 1220mm</p>	<p>Mews</p>  <p>228-12 2820mm x 1220mm</p>	<p>Lloyds</p>  <p>210-12 2820mm x 1220mm</p>	<p>24mm detail: 24mm consist of x 2 bonded 12mm ekkofelt sheets, using specialist glue to avoid a reduction in the acoustic efficiency.</p>	

BOX BEAM BAFFLE

Acoustic Test Results for PET Sheet - ekkofelt™ by ekko®
 Tests conducted by the University of Salford Acoustic Test Laboratory on
 11th July 2023 Tests conducted in accordance with BS EN ISO 354: 2003
 (Measurements of Absorption in Reverberation Room)

V1: Test data collated from source test results.
 V2: Test results produced by University of Salford 11th July 2023.

Thickness	Result Type	No Air Gap	50mm Air Gap	100mm Air Gap	200mm Air Gap
9mm	aw rating 0.250.650.9	0.25	0.65	0.9	0.9
	Absorption ClassECA	E	C	A	A
	as coefficient @ 2000 Hz0.70.950.85*	0.7	0.95	0.85*	0.95
	SAA rating - NRC Replacement0.320.720.85	0.32	0.72	0.85	0.9
12mm	aw rating 0.250.650.9	0.25	0.65	0.9	0.95
	Absorption ClassECA	E	C	A	A
	as coefficient @ 2000 Hz0.70.950.85*	0.85	1.00	1*	1.00
	SAA rating - NRC Replacement0.320.720.85	0.41	0.76	0.87	0.92
18mm	aw rating 0.250.650.9	0.45	0.8	0.95	1
	Absorption ClassECA	D	B	A	A
	as coefficient @ 2000 Hz0.70.950.85*	1	1	1	1
	SAA rating - NRC Replacement0.320.720.85	0.6	0.84	0.91	0.95
24mm	aw rating 0.250.650.9	0.5	0.85	1	1
	Absorption ClassECA	D	B	A	A
	as coefficient @ 2000 Hz0.70.950.85*	1	1	1	1
	SAA rating - NRC Replacement0.320.720.85	0.7	0.89	0.94	0.97

University of Salford test procedure is strictly conducted in accordance with BS EN ISO 354. Full test measurement report available on request. aw (alpha weighted) rating has been calculated in accordance with BS EN 11654:1997 (sound absorbers for use in buildings) BS EN 11654:1997 includes a table for expressing aw values as a single letter e.g. Absorption Class as rating is the absorption coefficient at a particular frequency SAA ratings are an American standard, widely used as a simple rating of absorption performance. Replaces previously titled NRC testing as coefficient affected by resonance during test at this frequency & air gap dimension, marked by *



Notes:
 Frequencies (Hz) range of 125 to 5000Hz
 Class of absorption in accordance with BS EN ISO 11654:1997
 Average frequency of adult speech
 American Standard (Sound Absorption Coefficient), replaces NRC rating
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BOX BEAM BAFFLE

PET Felt panels are used for acoustic solutions in ceilings, walls, and lighting. Can be shaped and cut to designs for architectural soundscaping.

Key features Include:

- OEKO-TEX Standard 100 - Declaration of conformity EN ISO 170050-1.
- Manufactured using a minimum of 50% post-consumer recycled material.
- Limitless branding and design possibilities with in-house custom cutting.
- Excellent acoustic performance.
- 0% Formaldehyde binders in our ekkofelt™ Products.
- Non-toxic, non-irritant, and non-allergenic.
- Extensive range of colours Manufactured and stocked in the UK.

SPECIFICATION

Panel Composition: 100% PET (50% Post Consumer Recycled Waster 50% Polyester Felt) Panel

Dimension : 2800mm (+/- 3mm) x 1200mm (+/- 3mm)

Thickness: 12mm (+/-0.5mm)

Weight: 8kg per Panel Material

Colours: 22 Colours in Stock / 75 Colours Available

Melting Point: 250°C Max. Recommended Service Temp: 80°C

SOUND ABSORPTION aw 0.25 (0mm air gap) Class E.
0.65 (50mm air gap) Class C. 0.90 (100mm air gap)
Class A. 0.95 (200mm air gap) NRC: 0.45 (0mm air gap)
0.85 (50mm air gap) Fire retardant: EN 13501-1: 2018
Classification B-s1, d0 P

ENVIRONMENTAL

ekkofelt™ PET is manufactured using a minimum of 50% post-consumer recycled content (PET plastic bottles).

HAZARDS IDENTIFICATION

Non-hazardous and non-dangerous goods.

CHEMICAL ENTITY

Polyester Fiber from PET (Polyethylene Terephthalate).

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