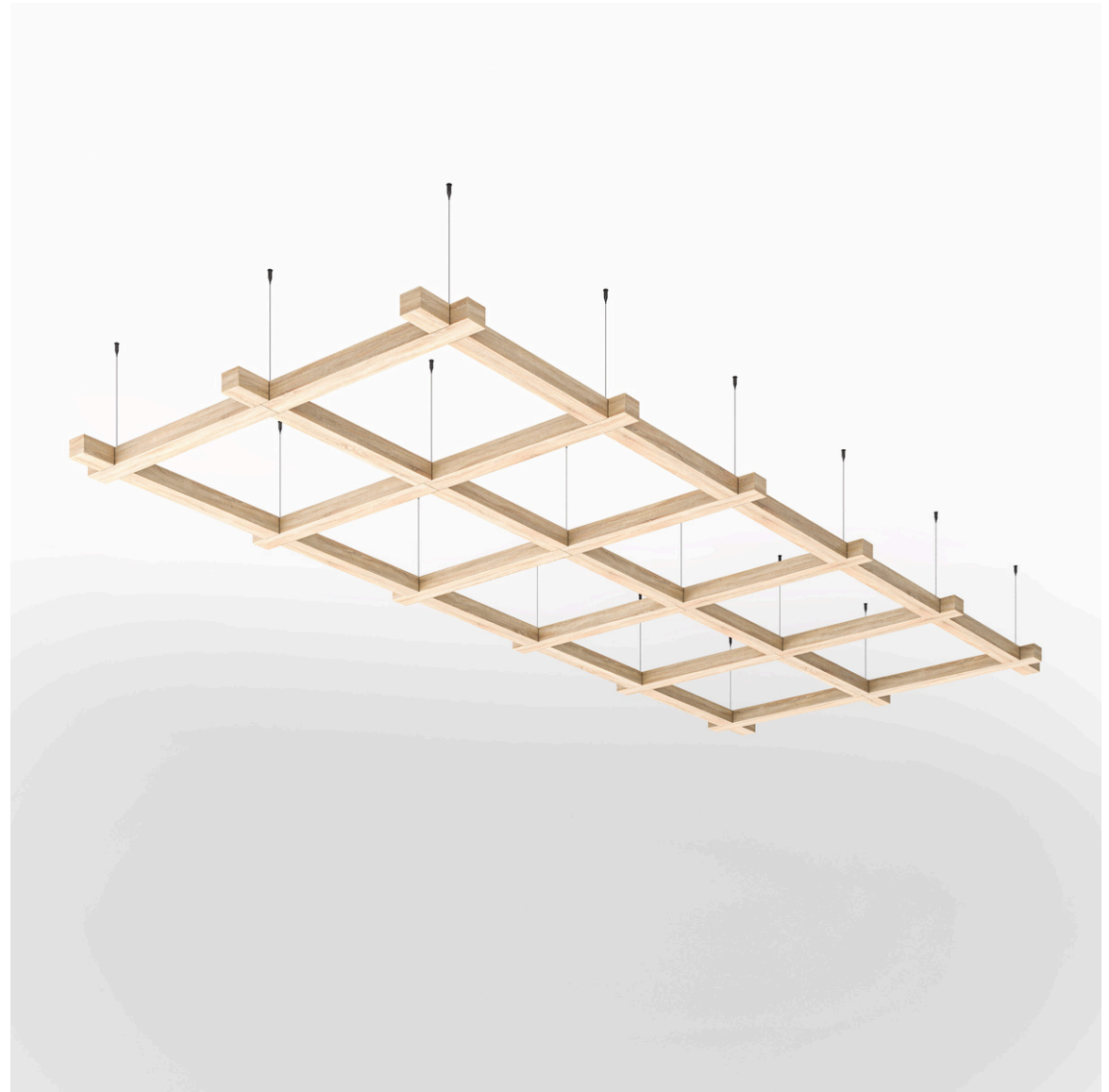


# BEAM GRID

BEAM GRID is an acoustic suspended box beam grid design. Modular system that extends to the required sizing. Often featuring a timber-printed finish to create a wooden grid effect.

Creating quiet™ through architectural and sustainable acoustic solutions.



**ekko**®

[ekkoacoustics.com](http://ekkoacoustics.com)



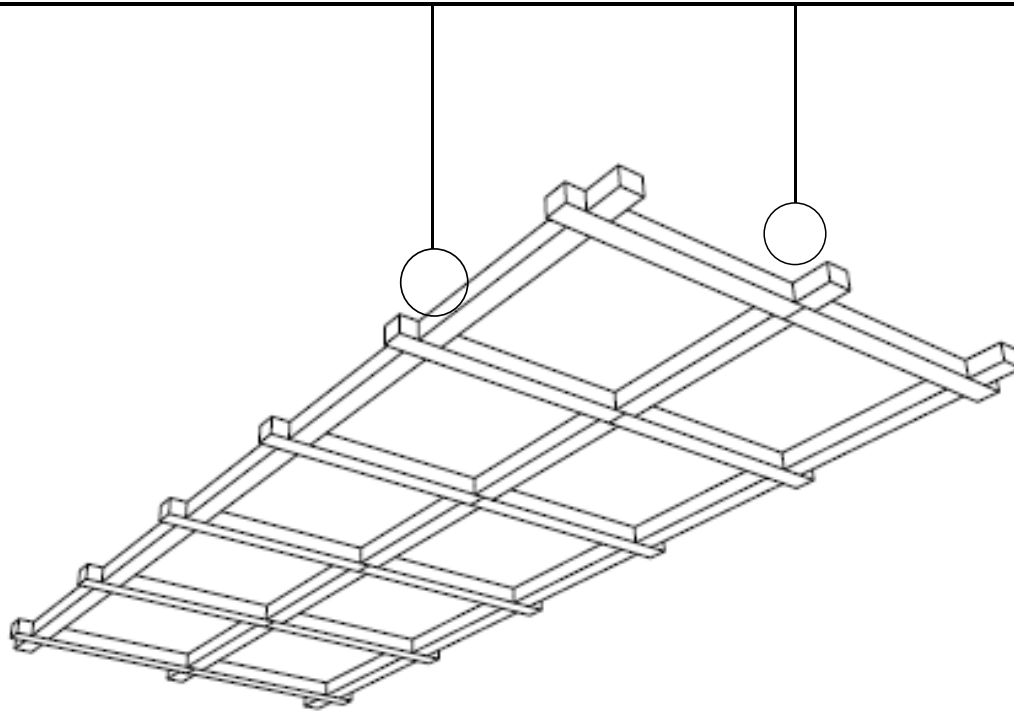
# BEAM GRID

## Design

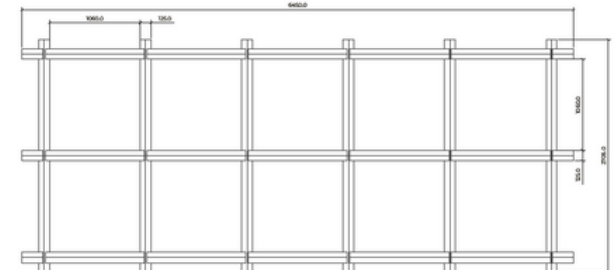
PET Felt with 57% recycled post-consumer waste

Adjustable suspension mounting kits or direct fix surface mount

5 Years Warranty



EBGC/BOXGRID/1060/100/125/\*\*\*



\*\*\* Colour

Bespoke sizes can be made - Speak to your representative.

**ekko**<sup>®</sup>  
ekkoacoustics.com



# ekkofelt®

## 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.

# ekkofelt®

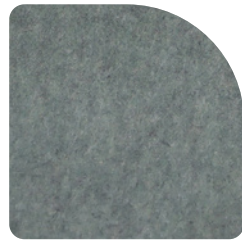
## Euro Collection: 12mm



36 French cotton  
12mm thick  
2820mm x 1220mm



32 Delta Blue  
12mm thick  
2820mm x 1220mm



22 Iberian Eucalyptus  
12mm thick  
2820mm x 1220mm



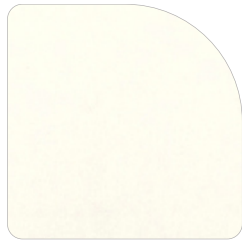
60 Dutch Pebble  
12mm thick  
2820mm x 1220mm



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



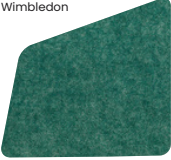
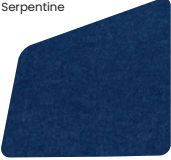


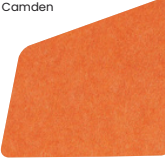

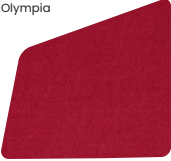


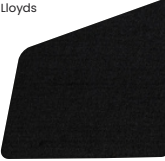
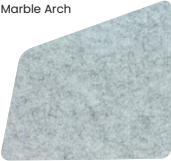
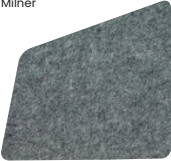
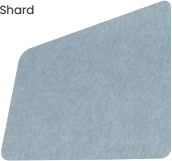
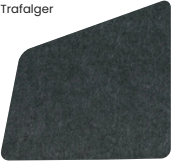



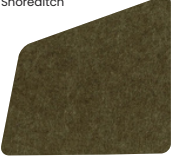
58 Pompeii Marble  
9mm thick  
2820mm x 1220mm

# 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.

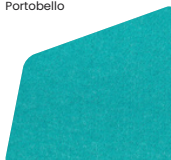
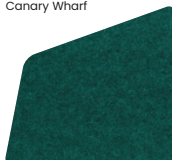

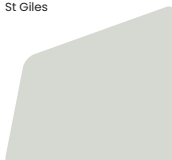

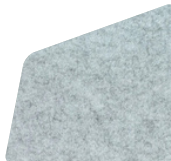

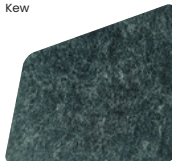



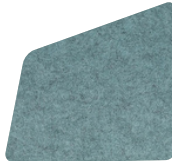




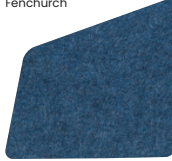
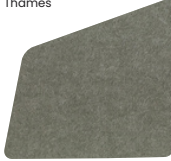



## London Collection: 9-18mm

<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><b>18mm detail:</b> 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 &amp; 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>224-12 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><b>24mm detail:</b> 24mm consist of x 2 bonded 12mm ekkofelt sheets, using specialist glue to avoid a reduction in the acoustic efficiency.</p>	

# BEAM GRID

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
<b>9mm</b>	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
<b>12mm</b>	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
<b>18mm</b>	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
<b>24mm</b>	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  
 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  
 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  
 Frequencies (Hz) range of 125 to 5000Hz  
 Class of absorption in accordance with BS EN ISO 11654:1997  
 Average frequency of adult speech

# BEAM GRID

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).

# ekko®

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