

leverkusen

Leverkusen Ceiling Grid

A custom random grid ceiling raft, this light can be used as a ceiling detail in groups to absorb excess sound and reverberation, as well as integrating with biophilic design. Its unique shape allows for creating patterns on ceiling.

A great solution to control spaces with high indexes of reverberation, the shape optimises the NRC performance of every room.

Creating Quiet through architectural acoustic solutions.



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Design

Optiona Pendant lighting

PET felt with 50% recycled post-consumer waste.

5 years Warranty

Range of colour options

Shape optimises the NRC performance



LVKN/1200x1200/***

1200x1200

LVKN/2400x1200/***

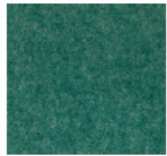
1200x2400

******* Colour

To specify felt colour replace *** with colour preferred colour code on the next page.

ekkofelt®

Colour Options



Wimbledon
201-09



Serpentine
202-09



Buckingham
203-09



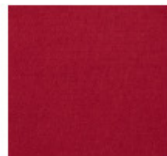
Downing
204-09



Camden
205-09



Finsbury
206-09



Olympia
207-09



City
208-09



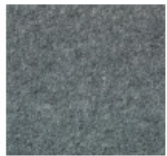
Southbank
209-09



Lloyds
210-09



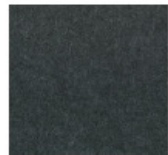
Marble Arch
211-09



Milner
212-09



Shard
213-09



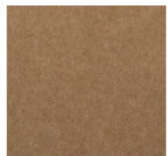
Trafalgar
214-09



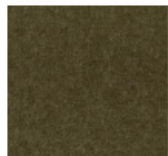
Bank
215-09



Senate
216-09



Battersea
217-09



Shoreditch
218-09

ekkofelt®
9-18 mm

*18mm consist of x2 bonded 9mm ekkofelt sheets, using specialist glue to avoid a reduction in the acoustic efficiency.



Portobello
219-12



Canary Wharf
231-12



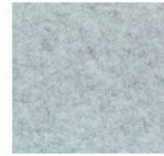
Notting Hill
223-12



St Giles
230-12



Buckingham
203-12



Marble Arch
211-12



Lido
224-12



Kew
239-12



Hammersmith
509-12



Sloane
225-12



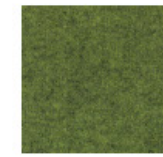
Holland Park
441-12



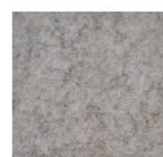
Barbican
236-12



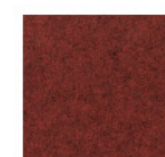
Southwark
234-12



Primrose Hill
222-12



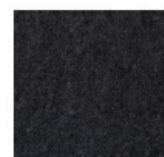
Farringdon
237-12



Kings Cross
227-12



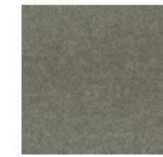
Chelsea
220-12



Piccadilly
235-12



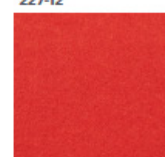
Fenchurch
233-12



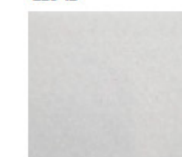
Thames
229-12



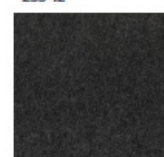
Richmond
440-12



Hamleys
221-12



Whitehall
438-12



Bank
215-12



Greenwich
226-12



St Pauls
232-12



Mews
228-12



Lloyds
210-12

ekkofelt®
12-24 mm

ekkoacoustics.com

*24mm consist of x2 bonded 12mm ekkofelt sheets, using specialist glue to avoid a reduction in the acoustic efficiency.

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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)

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 *

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



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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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®
ekkoacoustic.com

