

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 biophillic 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

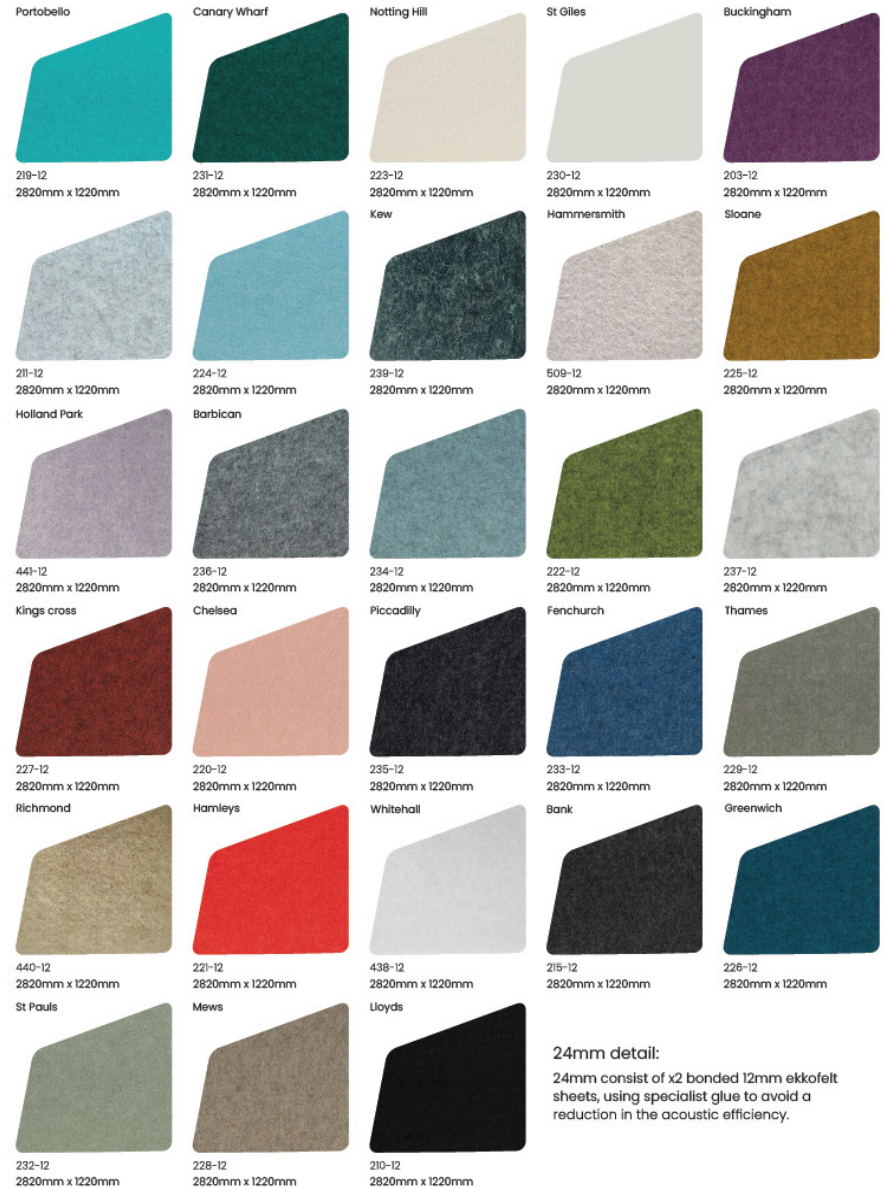
*** Colour

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

Colour Options

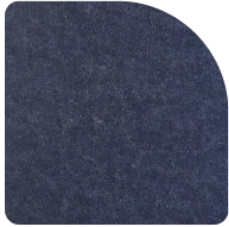


London Collection: 12mm



Colour Options

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.

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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 : 1200 x 1200 | 1200 x 2400 (+/- 3mm)

Colours: 63 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).