

# solingen

## Solingen Suspended Ceiling Tile

This plain PET ceiling tile with in-built baffles can be used as a ceiling detail in groups to absorb excess sound and reverberation.

Colours can be mixed up to create patterns/ feature areas, or zoning. A great retrofit acoustic solution, it can be used with other ceiling tile products in our acoustic range to create a full acoustic ceiling.

PET acoustic material is 50% recycled and 100% recyclable, offering sustainable solutions for acoustic improvement.

Creating Quiet through architectural acoustic solutions.



# solingen

---

**Design**

Suspended Ceiling Baffle

PET felt with 50% recycled post-consumer waste.

5 years Warranty

Range of colour options

Most effective when several are used together

---



---

SLGN/0595x0595/\*\*\*

595 x 595 x 160

---

---

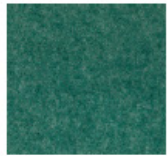
\*\*\* Colour

---

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

# ekkofelt®

## Colour Options



Wimbledon  
201-09



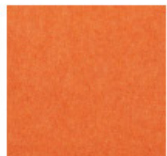
Serpentine  
202-09



Buckingham  
203-09



Downing  
204-09



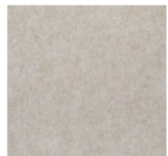
Camden  
205-09



Finsbury  
206-09



Olympia  
207-09



City  
208-09



Southbank  
209-09



Lloyds  
210-09



Marble Arch  
211-09



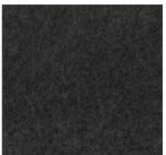
Milner  
212-09



Shard  
213-09



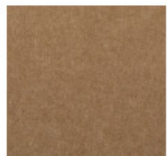
Trafalgar  
214-09



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.



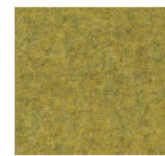
Portobello  
219-12



Canary Wharf  
231-12



Notting Hill  
223-12



St Giles  
230-12



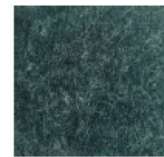
Buckingham  
203-12



Marble Arch  
211-12



Lido  
224-12



Kew  
239-12



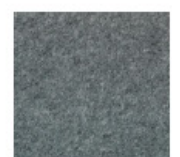
Hammersmith  
509-12



Sloane  
225-12



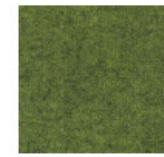
Holland Park  
441-12



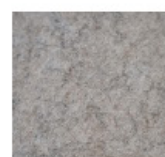
Barbican  
236-12



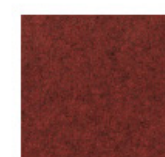
Southwark  
234-12



Primrose Hill  
222-12



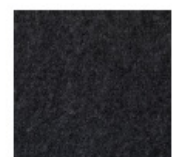
Farringdon  
237-12



Kings Cross  
227-12



Chelsea  
220-12



Piccadilly  
235-12



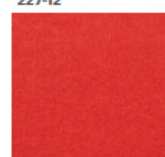
Fenchurch  
233-12



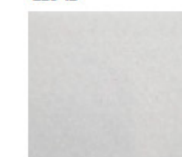
Thames  
229-12



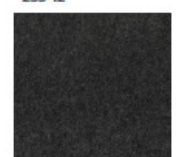
Richmond  
440-12



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.



# solingen

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

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

# solingen

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

