osnabrück

Osnabrück Tile

This plain PET acoustic ceiling tile 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.

Creating Quiet through architectural acoustic solutions.

ekko®

ekkoacoustic.com

osnabrück

Design	Suspended ceiling acoustic tile	PET felt with 50% recycled post-consumer waste.	5 years Warranty	Range of colour options	100% recyclable

ONBK/0595x0595/***	595 x 595 x 12 Acoustic Ceiling Tile

***	Colour

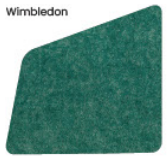
To specify felt colour replace *** with colour prefered colour code on the next page.

ekko®

ekkoacoustic.com

ekkofelt®

Colour Options

Wimbledon

201-09
2820mm x 1220mm

Serpentine

202-09
2820mm x 1220mm

Buckingham

203-09
2820mm x 1220mm

Downing

204-09
2820mm x 1220mm

Camden

205-09
2820mm x 1220mm

Finsbury

206-09
2820mm x 1220mm

Olympia

207-09
2820mm x 1220mm

City

208-09
2820mm x 1220mm

Southbank

209-09
2820mm x 1220mm

Lloyds

210-09
2820mm x 1220mm

Marble Arch

211-09
2820mm x 1220mm

Milner

212-09
2820mm x 1220mm

Shard

213-09
2820mm x 1220mm

Trafalger

214-09
2820mm x 1220mm

Bank

215-09
2820mm x 1220mm

Senate

216-09
2820mm x 1220mm

Battersea

217-09
2820mm x 1220mm

Shoreditch

218-09
2820mm x 1220mm

18mm detail:

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

London Collection: 12mm

Borough

610-12
2820mm x 1220mm

Chiswick

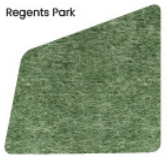
602-12
2820mm x 1220mm

Elephant & Castle

606-12
2820mm x 1220mm

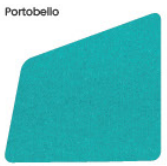
Hampton

607-12
2820mm x 1220mm

Regents Park

614-12
2820mm x 1220mm

Shaftsbury

445-12
2820mm x 1220mm

Portobello

219-12
2820mm x 1220mm

Canary Wharf

231-12
2820mm x 1220mm

Notting Hill

223-12
2820mm x 1220mm

St Giles

230-12
2820mm x 1220mm

Buckingham

203-12
2820mm x 1220mm


211-12
2820mm x 1220mm


224-12
2820mm x 1220mm

Kew

239-12
2820mm x 1220mm

Hammersmith

509-12
2820mm x 1220mm

Sloane

225-12
2820mm x 1220mm

Holland Park

441-12
2820mm x 1220mm

Barbican

236-12
2820mm x 1220mm


234-12
2820mm x 1220mm


222-12
2820mm x 1220mm


237-12
2820mm x 1220mm

Kings cross

227-12
2820mm x 1220mm

Chelsea

220-12
2820mm x 1220mm

Piccadilly

235-12
2820mm x 1220mm

Fenchurch

233-12
2820mm x 1220mm

Thames

229-12
2820mm x 1220mm

Richmond

440-12
2820mm x 1220mm

Hamleys

221-12
2820mm x 1220mm

Whitehall

438-12
2820mm x 1220mm

Bank

215-12
2820mm x 1220mm

Greenwich

226-12
2820mm x 1220mm

St Pauls

232-12
2820mm x 1220mm

Mews

228-12
2820mm x 1220mm

Lloyds

210-12
2820mm x 1220mm

24mm detail:

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

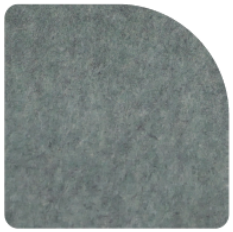
ekkofelt®

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.

osnabrück

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	0.32	0.72	0.85	0.9
	Replacement0.320.720.85				
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	0.41	0.76	0.87	0.92
	Replacement0.320.720.85				
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	0.6	0.84	0.91	0.95
	Replacement0.320.720.85				
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	0.7	0.89	0.94	0.97
	Replacement0.320.720.85				

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

ekko®
ekkoacoustic.com

osnabrück

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 : 595 x 595mm (+/- 3mm)

Thickness: 12mm (+/-0.5mm)

Weight: 8kg per Panel Material

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).

ekko®

ekkoacoustic.com