

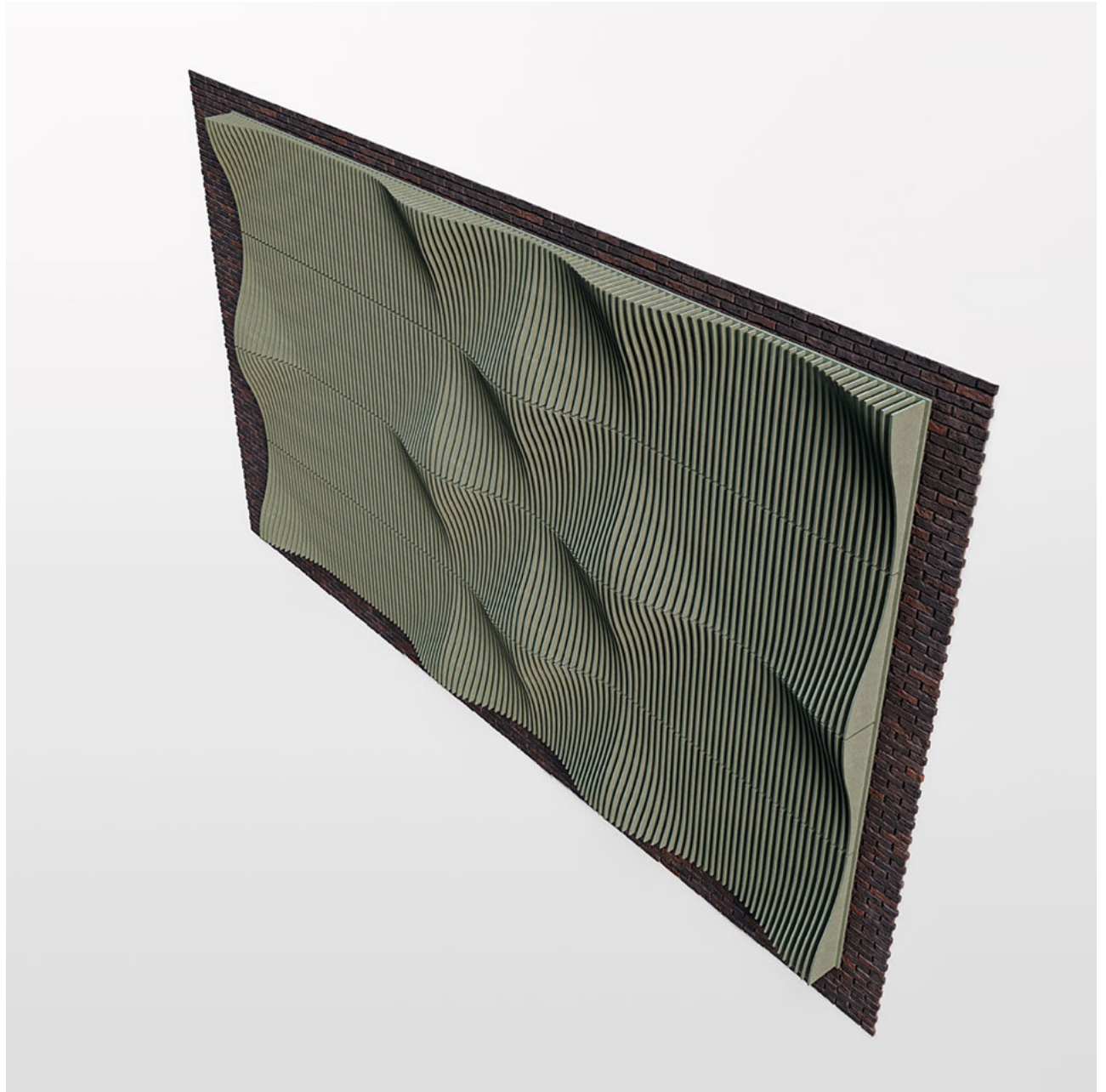
# sculpt 3D

ekkofelt® 3D Sculpt Wall Tile System

Designed for interior collaborative spaces, this PET acoustic wall tile offers great sound absorption.

offering a sustainable solution for acoustic improvement. ideal for making a feature wall which will stand out in any space.

Creating Quiet through architectural acoustic solutions.

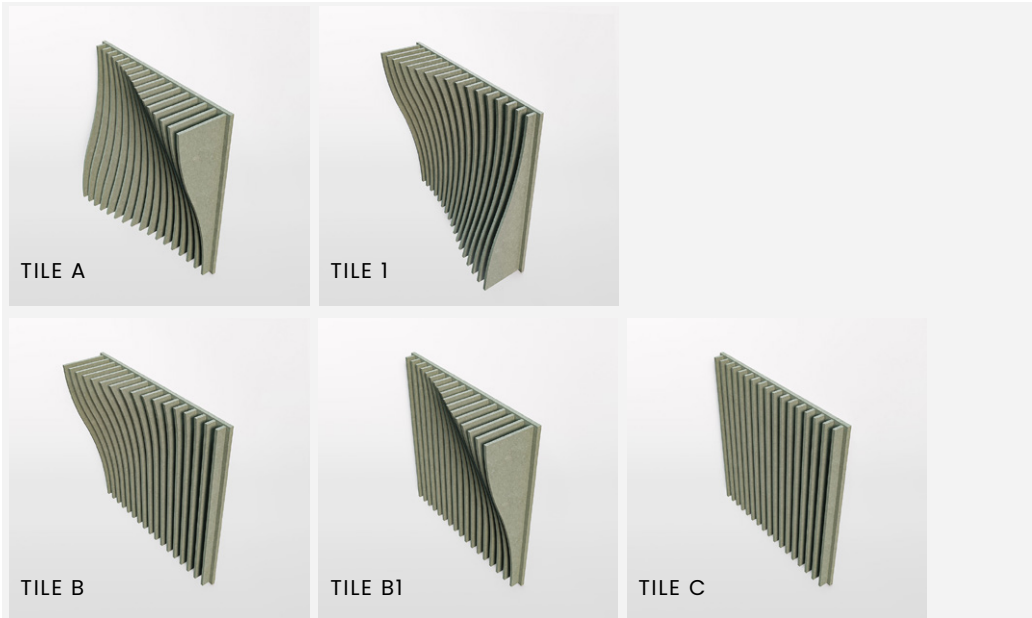


**ekko**®  
ekkoacoustic.com



# sculpt 3D

Design      Create a sculptured wall feature from the tiles      PET felt with 50% recycled post-consumer waste.      Bespoke options available      Range of colour options      Range of tile styles



|                 |                                   |
|-----------------|-----------------------------------|
| E3DS/66/A/***/  | 600 x 600 x 9/12mm Sculpt TILE A  |
| E3DS/66/A1/***/ | 600 x 600 x 9/12mm Sculpt TILE A  |
| E3DS/66/B/***/  | 600 x 600 x 9/12mm Sculpt TILE B  |
| E3DS/66/B1/***/ | 600 x 600 x 9/12mm Sculpt TILE B1 |
| E3DS/66/C/***/  | 600 x 600 x 9/12mm Sculpt TILE C  |

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

# ekkofelt®

## Colour Options



Wimbledon  
201-09



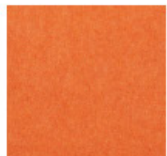
Serpentine  
202-09



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



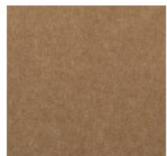
Trafalgar  
214-09



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



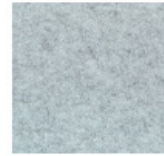
Notting Hill  
223-12



St Giles  
230-12



Buckingham  
203-12



Marble Arch  
211-12



Lido  
224-12



Kew  
239-12



Hammersmith  
509-12



Sloane  
225-12



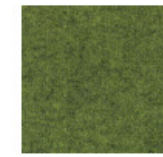
Holland Park  
441-12



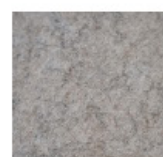
Barbican  
236-12



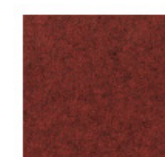
Southwark  
234-12



Primrose Hill  
222-12



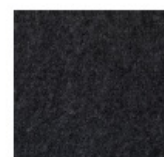
Farringdon  
237-12



Kings Cross  
227-12



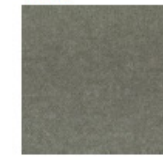
Chelsea  
220-12



Piccadilly  
235-12



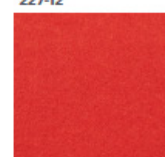
Fenchurch  
233-12



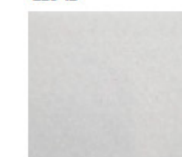
Thames  
229-12



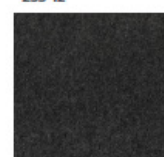
Richmond  
440-12



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.

# ekkofelt®

## Colour Options

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 the colours are photographic representations and would advise seeing a sample of the actual colour.**



**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



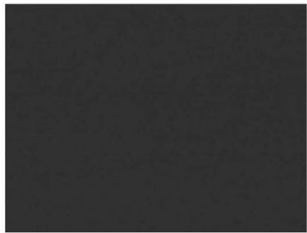
**61 TEXEL SAND**

12mm thick  
2820mm x 1220mm



**57 FRENCH WOOL**

9mm thick  
2820mm x 1220mm



**87 CARBON BLACK**

12 & 9mm thick  
2820mm x 1220mm



**99 ICE WHITE**

12mm thick  
2820mm x 1220mm



**50 NORDIC STONE**

12 & 9mm thick  
2820mm x 1220mm



**70 RIVER ROCK**

12 & 9mm thick  
2820mm x 1220mm



**58 POMPEII MARBLE**

9mm thick  
2820mm x 1220mm



Fire retardant:  
EN 13501-1: 2018  
Classification B-s1, d0 P

# sculpt 3D

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

# sculpt 3D

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

