



BROCHURES & GUIDES

PET felt acoustic wall tiles: the complete guide.

Twelve tile shapes in 48 colours, cut from 12mm recycled PET felt. Sizes, coverage, acoustics, fire rating and how to fit them.

[FELTED.UK](https://www.felted.uk)

OVERVIEW

Overview.

Felted wall tiles are shapes cut from 12mm PET felt that you arrange on a wall to make your own pattern. There are twelve shapes in three sizes and 48 colours. Use one colour for a calm textured finish, or mix colours to build something bolder.

The felt is soft to the touch, light and easy to cut. It softens how a room sounds, so speech and everyday sound feel less harsh. Each tile is CNC cut, so every edge matches and the pattern locks together across the wall.

INSIDE

Overview	02
Looks	03
Range	16
Colours	18
Acoustics in plain English	19
Fire and sustainability	19
Installation	20
Care	21
FAQ	21

12

tile shapes

48

colours

12mm

PET felt

B-s1,d0

fire class

75%

recycled PET



Looks.

The shape sets the pattern. Some ideas:

All images in this guide are styled images.

1 Square and Brick. Clean grids, stack bond or classic brick bond. The simplest way to a calm textured wall.

3 Right Angle Triangle. Herringbone and zigzag runs, pinwheels and two-tone diagonals.

5 Circle. Even grids, offset half-drop rows or scattered dots that make a feature of the space between them.

7 Einstein Hat. A single 13-sided shape that covers a wall with no gaps and never repeats. Found in 2022, the first shape known to do this on its own.

2 Hexagon. A honeycomb, laid point-up or flat-up.

4 Equilateral Triangle. Diamonds, hexagon grids and alternating triangle layouts.

6 Chevron, Ogee, Paseo and Scallop. Flowing repeat patterns. Ogee and Scallop give soft curves; Chevron gives strong direction.

8 Type 15 Pentagon. One of only fifteen convex pentagons known to tile a flat surface. The most recent was found in 2015.



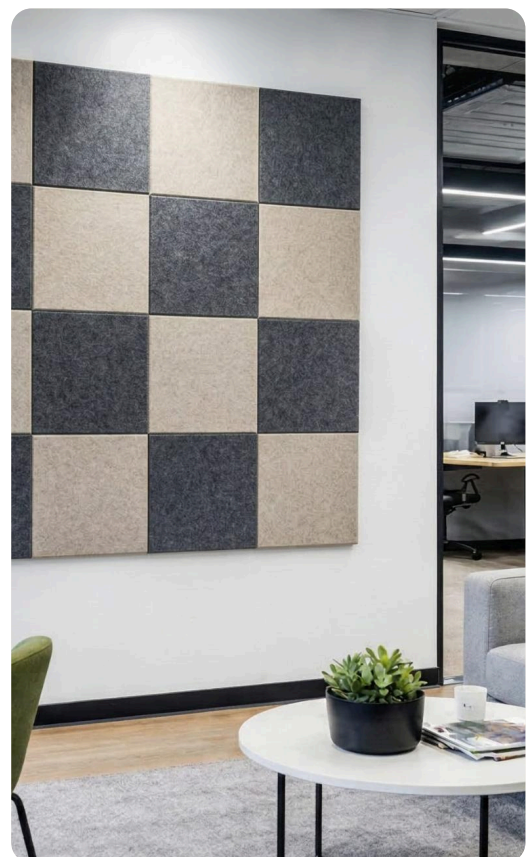
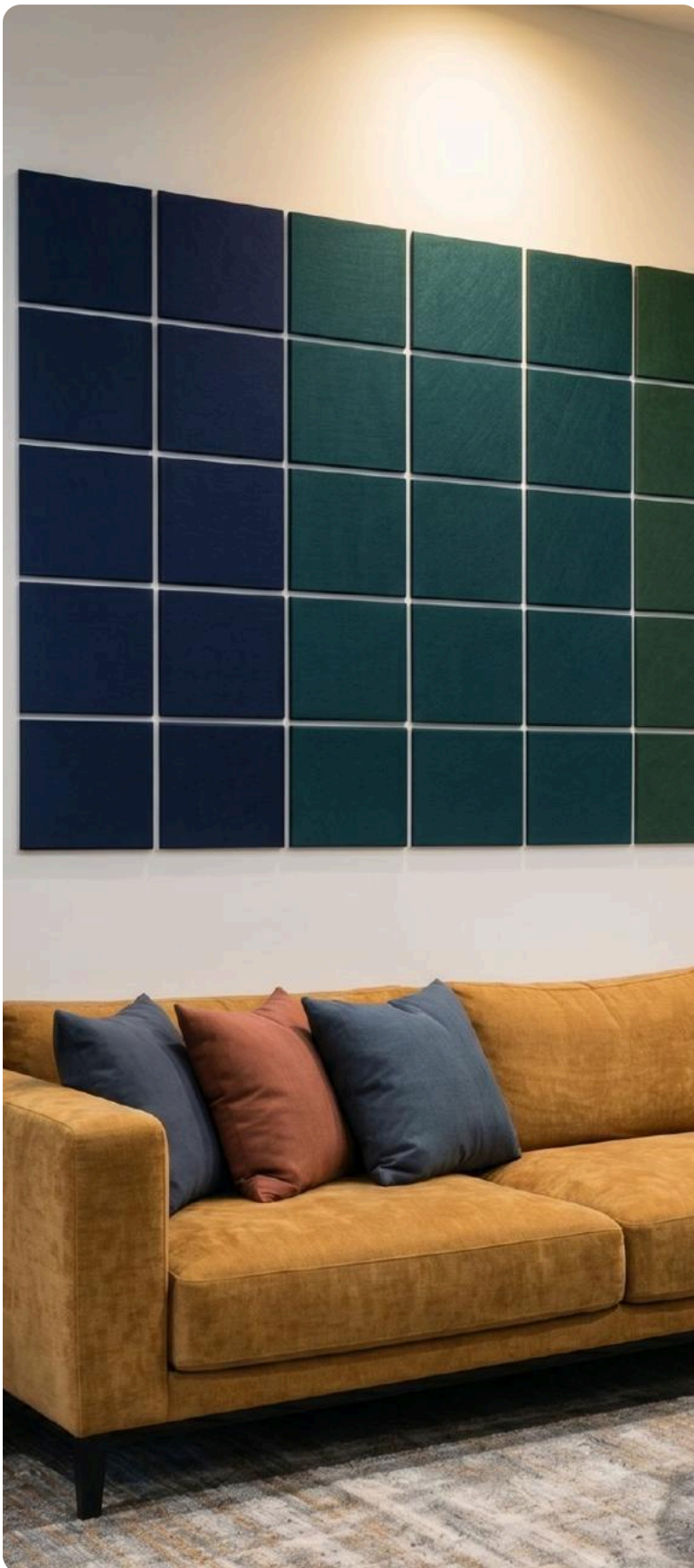
LOOKS 01 / 12

Square.

300 x 300, 400 x 400, 600 x 600 mm / 12mm PET felt / 48 colours

[SHOP SQUARE →](#)

[SETTING-OUT GRID \(PDF\) →](#)

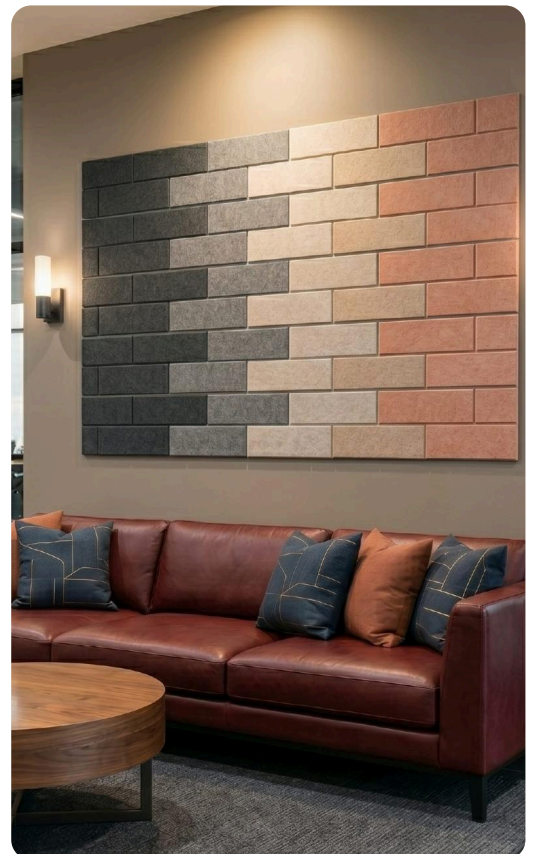
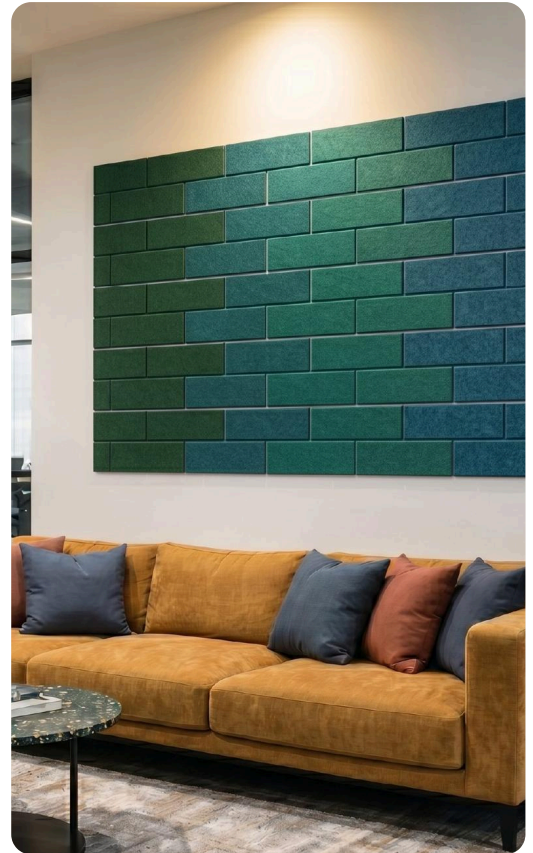
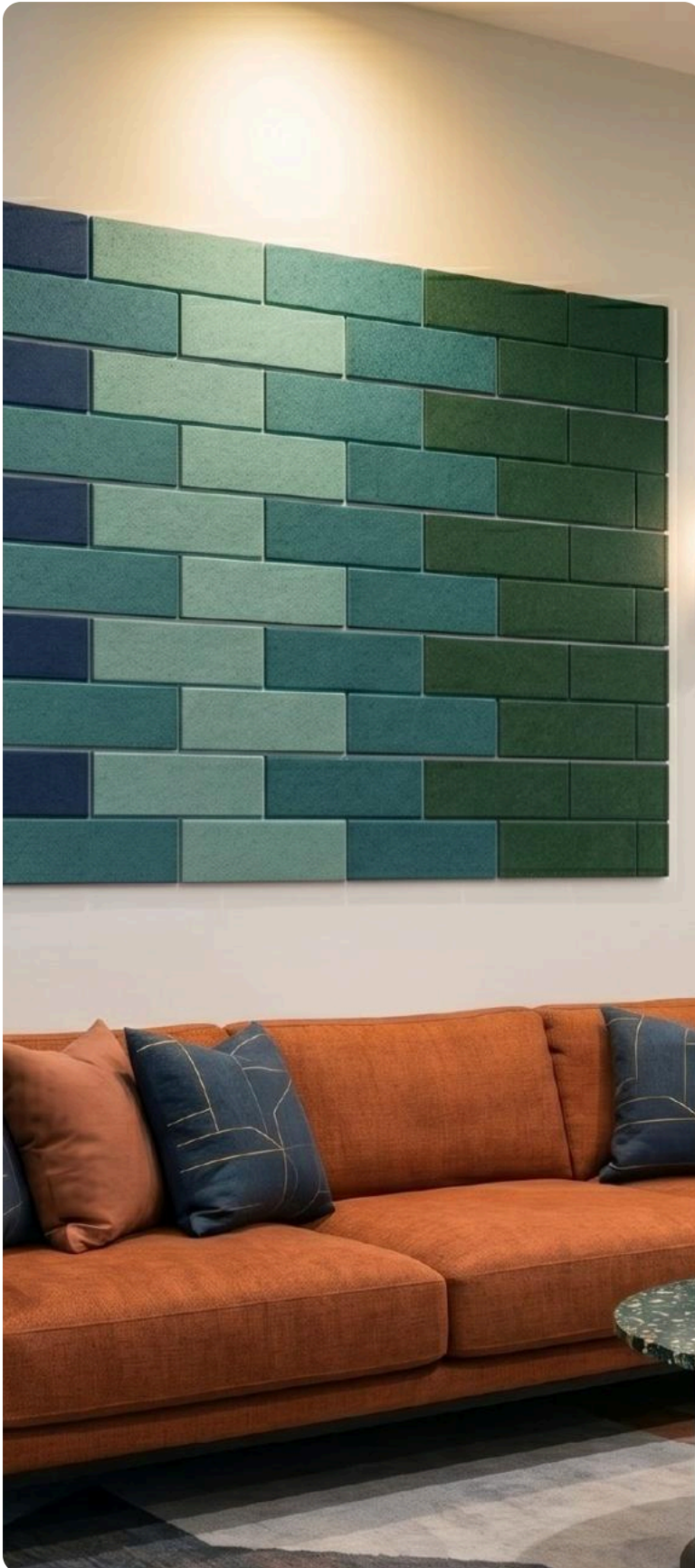


Brick.

300 x 150, 400 x 200, 600 x 300 mm / 12mm PET felt / 48 colours

[SHOP BRICK →](#)

[SETTING-OUT GRID \(PDF\) →](#)



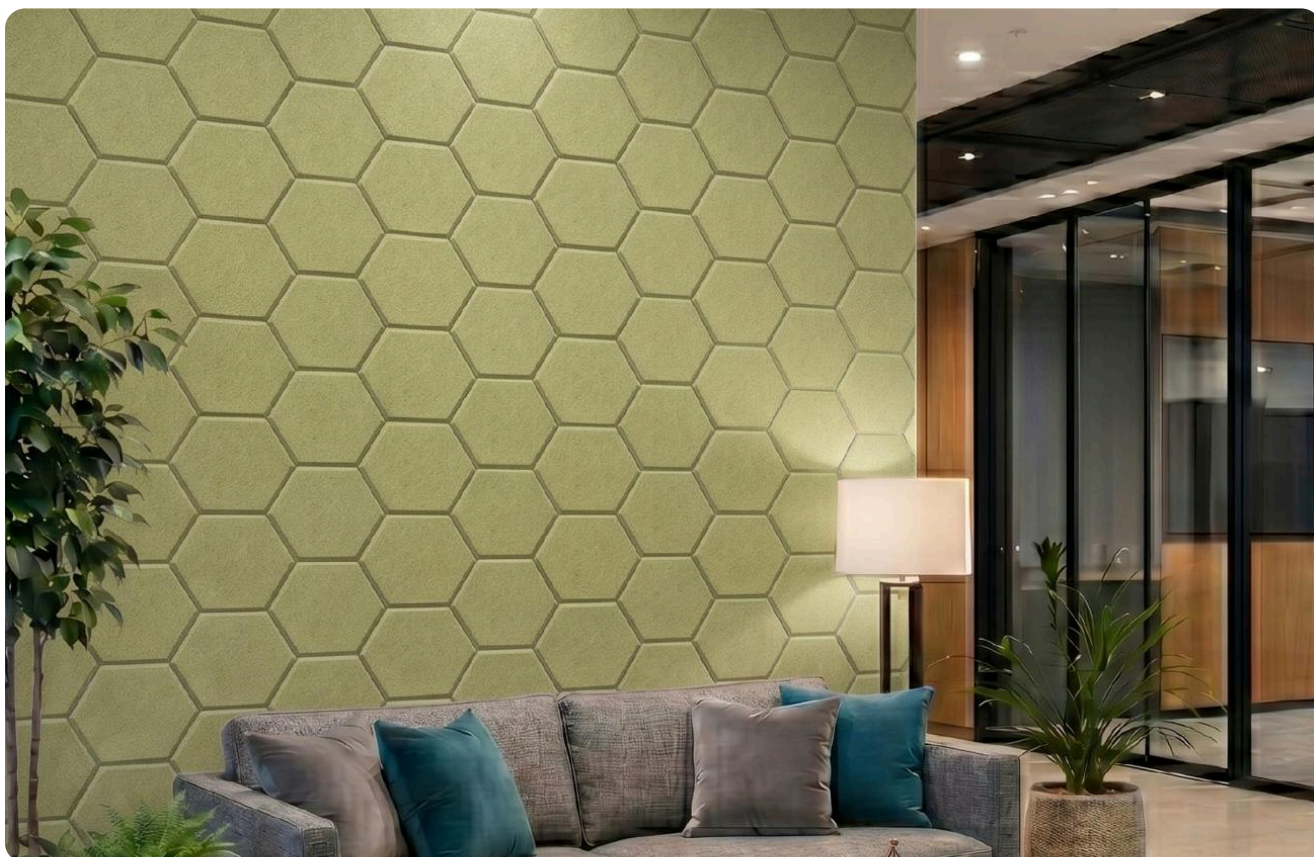
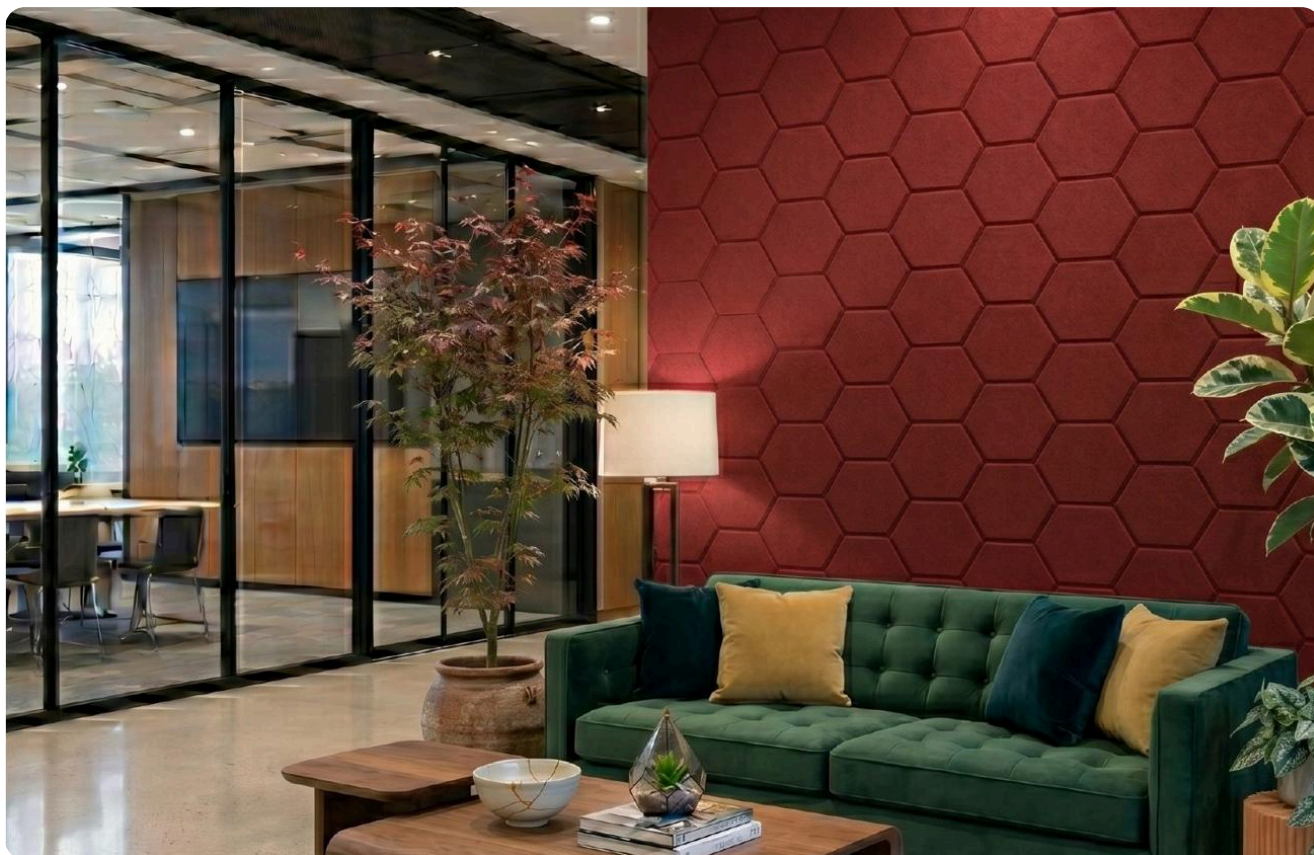
Hexagon.

300, 400, 600 mm / 12mm PET felt / 48 colours

[SHOP HEXAGON →](#)

[POINT-UP GRID \(PDF\) →](#)

[FLAT-UP GRID \(PDF\) →](#)



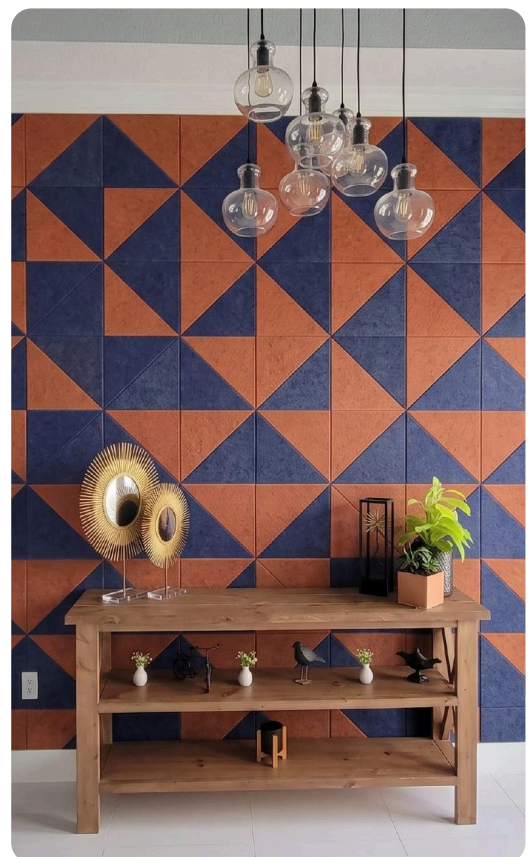
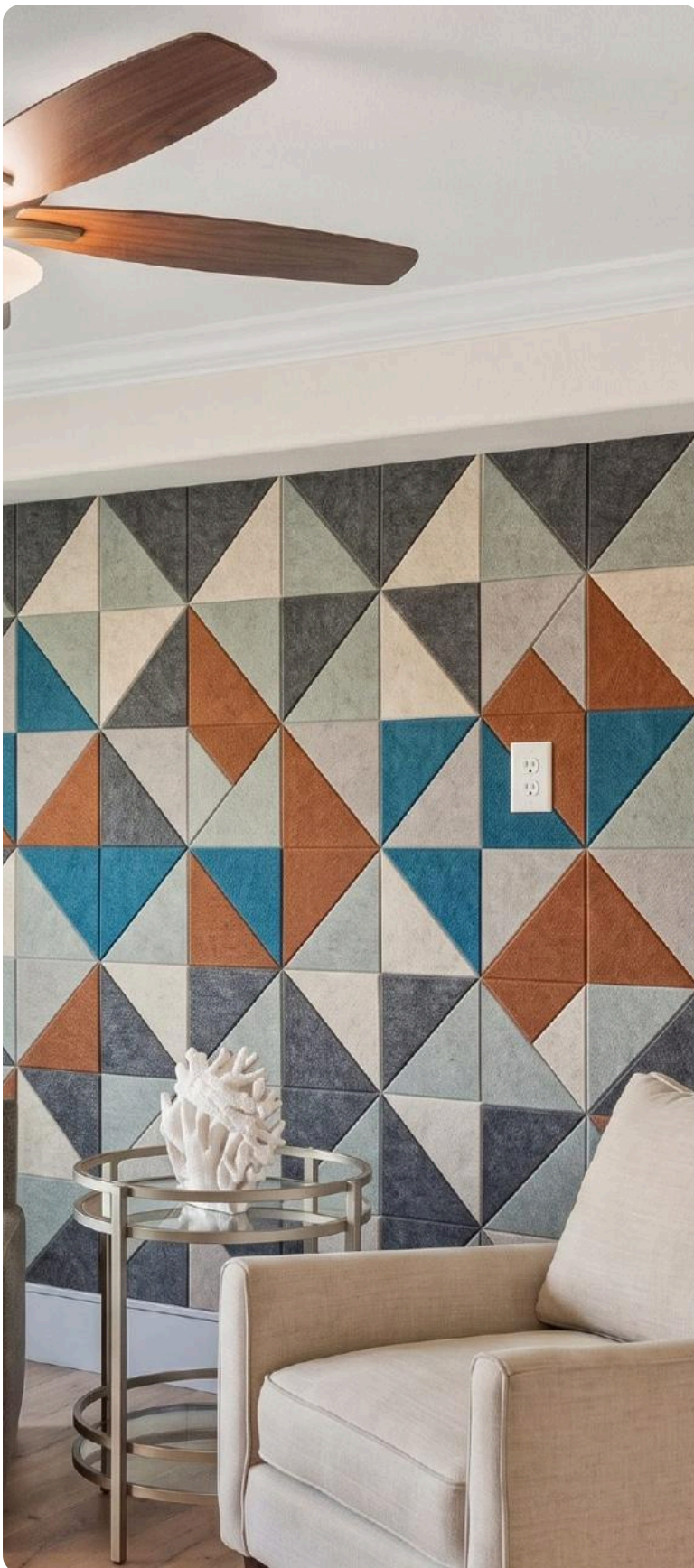
LOOKS 04 / 12

Right Angle Triangle.

300, 400, 600 mm / 12mm PET felt / 48 colours

[SHOP RIGHT ANGLE TRIANGLE →](#)

[SETTING-OUT GRID \(PDF\) →](#)



LOOKS 05 / 12

Equilateral Triangle.

300, 400, 600 mm / 12mm PET felt / 48 colours

[SHOP EQUILATERAL TRIANGLE →](#)

[SETTING-OUT GRID \(PDF\) →](#)



LOOKS 06 / 12

Circle.

300, 400, 600 diameter mm / 12mm PET felt / 48 colours

[SHOP CIRCLE →](#)

[SETTING-OUT GRID \(PDF\) →](#)



LOOKS 07 / 12

Chevron.

300 x 300, 400 x 400, 600 x 600 mm / 12mm PET felt / 48 colours

[SHOP CHEVRON →](#)

[SETTING-OUT GRID \(PDF\) →](#)

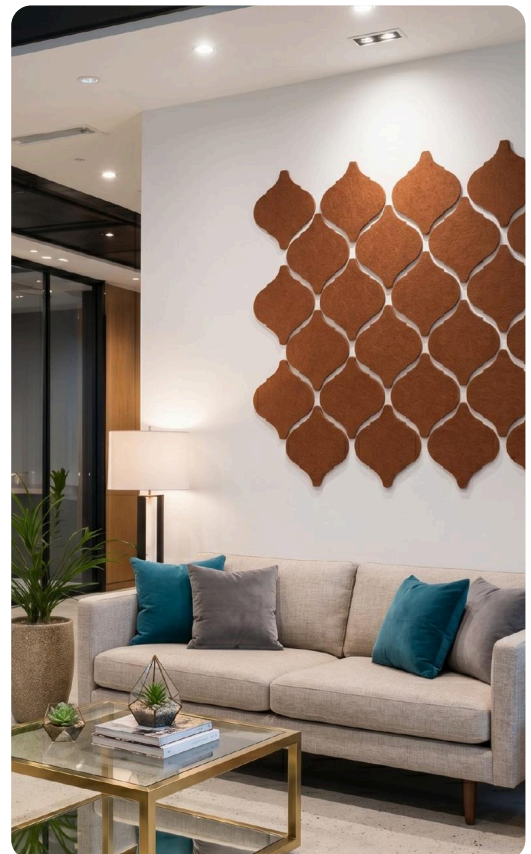
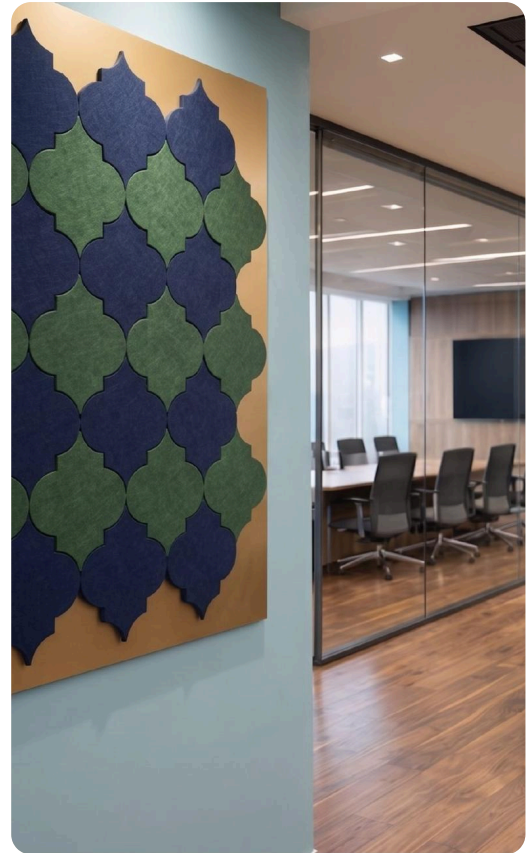


Ogee.

300 x 300, 400 x 400, 600 x 600 mm / 12mm PET felt / 48 colours

[SHOP OGEE →](#)

[SETTING-OUT GRID \(PDF\) →](#)



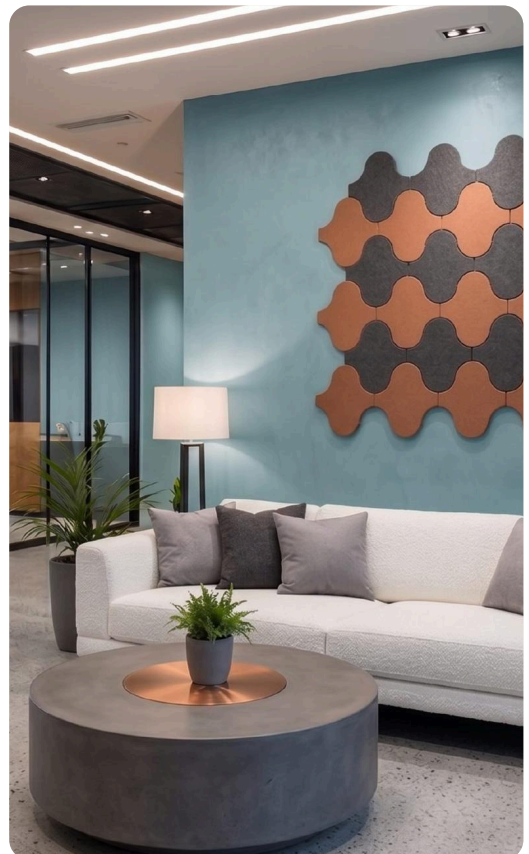
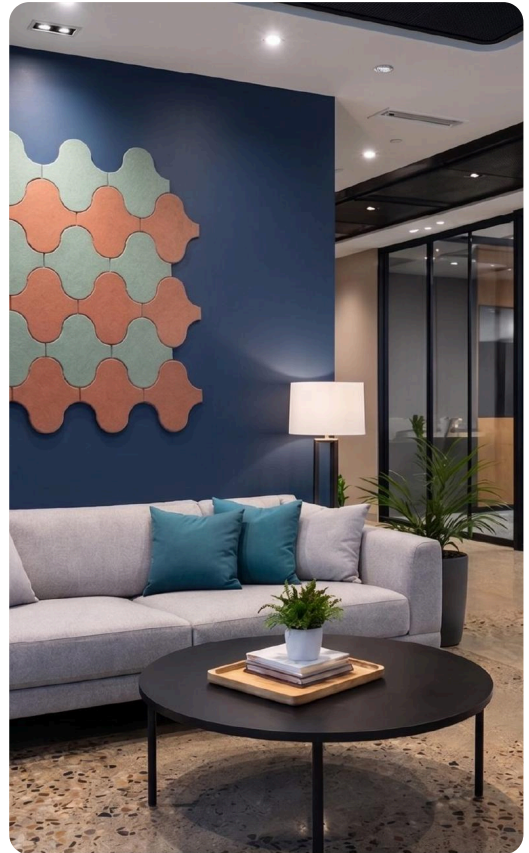
LOOKS 09 / 12

Paseo.

300 x 257, 400 x 342, 600 x 513 mm / 12mm PET felt / 48 colours

[SHOP PASEO →](#)

[SETTING-OUT GRID \(PDF\) →](#)

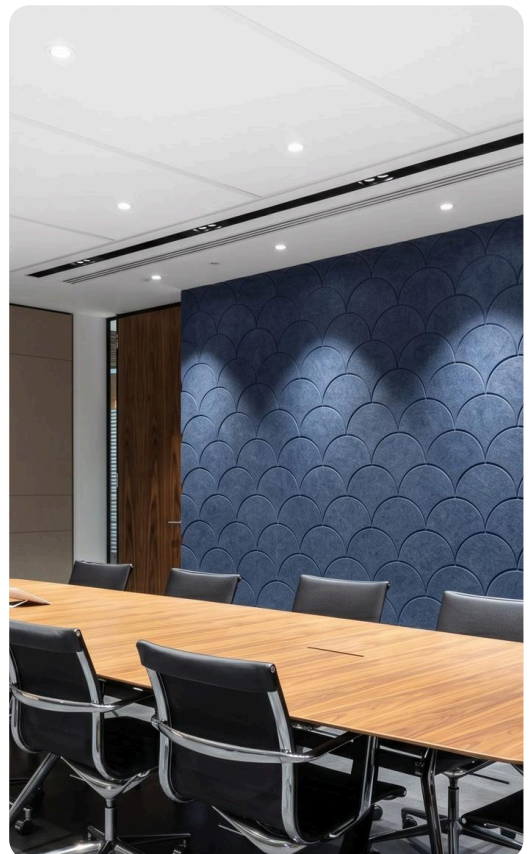
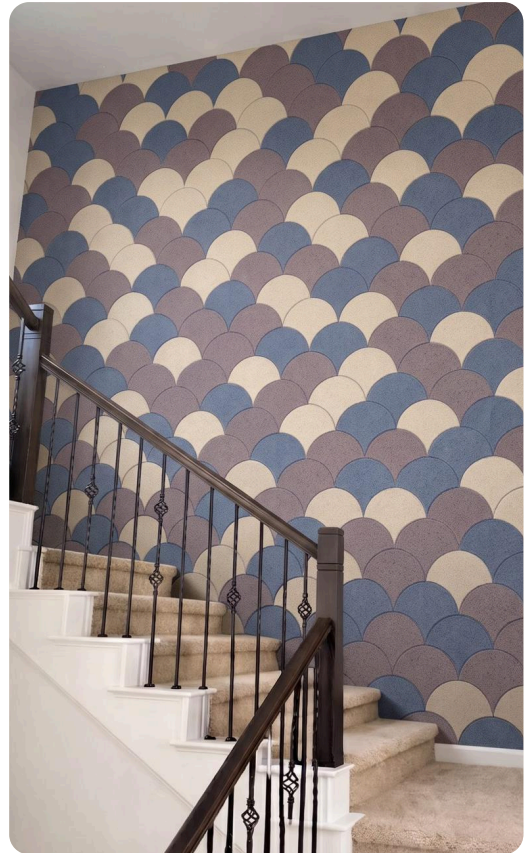


LOOKS 10 / 12

Scallop.

300 x 300, 400 x 400, 600 x 600 mm / 12mm PET felt / 48 colours

[SHOP SCALLOP →](#)



LOOKS 11 / 12

Einstein Hat.

300 x 217, 400 x 289, 600 x 433 mm / 12mm PET felt / 48 colours

[SHOP EINSTEIN HAT →](#)

[INSTALLATION GUIDE \(PDF\) →](#)

[DIMENSIONS \(PDF\) →](#)

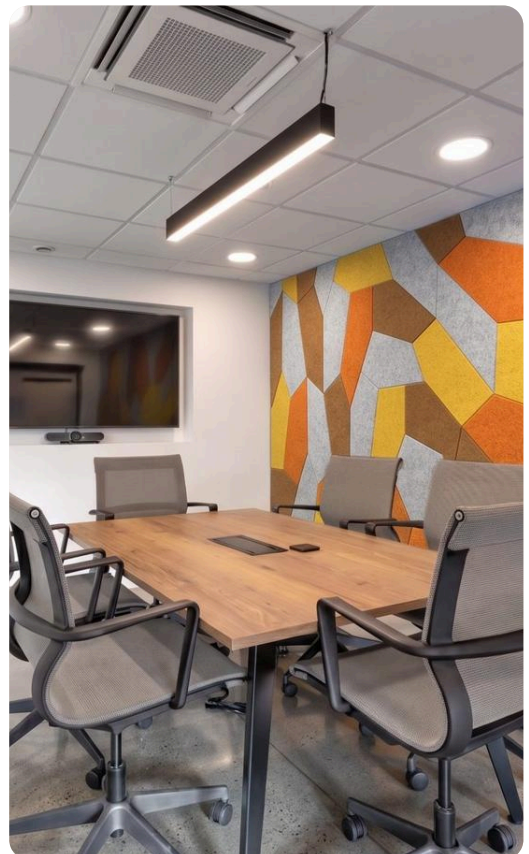


LOOKS 12 / 12

Type 15 Pentagon.

300 x 143, 400 x 191, 600 x 286 mm / 12mm PET felt / 48 colours

[SHOP TYPE 15 PENTAGON →](#)
[INSTALLATION GUIDE \(PDF\) →](#)
[DIMENSIONS \(PDF\) →](#)



RANGE

Range.

All tiles are 12mm thick and come in 48 colours. Each pack holds one colour.



Square

[SHOP →](#)



Brick

[SHOP →](#)



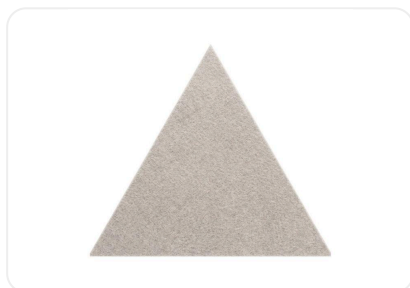
Hexagon

[SHOP →](#)



Right Angle Triangle

[SHOP →](#)



Equilateral Triangle

[SHOP →](#)



Circle

[SHOP →](#)



Chevron

[SHOP →](#)



Ogee

[SHOP →](#)



Paseo

[SHOP →](#)



Scallop

[SHOP →](#)



Einstein Hat

[SHOP →](#)



Type 15 Pentagon

[SHOP →](#)

Shown in Natural Cotton to show the base shape.

Sizes and coverage.

TILE	SIZES (MM)	TILES PER PACK	COVERAGE PER PACK
Square	300 x 300, 400 x 400, 600 x 600	16 / 9 / 4	1.44 m ²
Circle	300, 400, 600 diameter	16 / 9 / 4	1.13 m ²
Chevron	300 x 300, 400 x 400, 600 x 600	16 / 9 / 4	1.08 m ²
Hexagon	300, 400, 600	16 / 9 / 4	0.97 m ² *
Type 15 Pentagon	300 x 143, 400 x 191, 600 x 286	32 / 18 / 8	0.89 m ²
Ogee	300 x 300, 400 x 400, 600 x 600	16 / 9 / 4	0.80 m ²
Paseo	300 x 257, 400 x 342, 600 x 513	16 / 9 / 4	0.78 m ²
Brick	300 x 150, 400 x 200, 600 x 300	16 / 9 / 4	0.72 m ²
Right Angle Triangle	300, 400, 600	16 / 9 / 4	0.72 m ²
Scallop	300 x 300, 400 x 400, 600 x 600	16 / 9 / 4	0.72 m ²
Equilateral Triangle	300, 400, 600	16 / 9 / 4	0.62 m ²
Einstein Hat	300 x 217, 400 x 289, 600 x 433	16 / 9 / 4	0.55 m ²

*Hexagon coverage assumes a 5mm joint. All other figures are tile area with no gap.

Coverage per pack is the same whichever size you choose. Bigger tiles mean fewer per pack, not less wall.

Edge finish

Most tiles come with a choice of square or chamfered edge. Butted tight in one colour, a square edge closes to a flat sheet and the joint disappears. A chamfered edge keeps a fine line where the bevels meet, so the shape still reads faintly. A 5mm gap reads clearly on either edge. Einstein Hat and Type 15 Pentagon are square edge only, because some tiles are turned over to complete the pattern.

RANGE

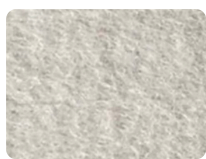
Colours.

All 48 colours, available on every wall tile.

[ORDER A SAMPLE PACK →](#)



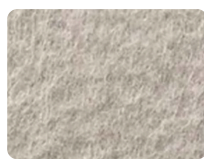
White



Natural Cotton



Blanched Almond



Manilla Beige



Wheat



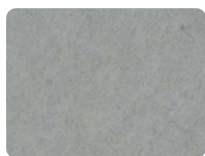
Silk



Doe



Light Grey



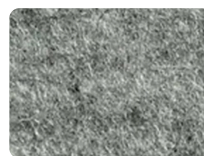
Silver Grey



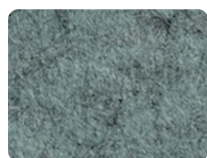
Chrome



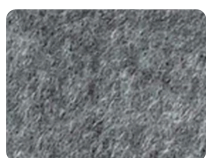
Spring Grey



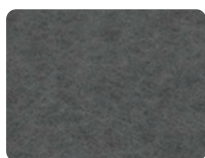
Dark Silver



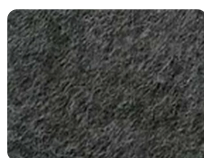
Pewter Grey



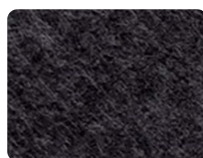
Ash Grey



Storm



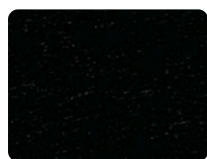
Slate Grey



Paynes Grey



Slate Marble



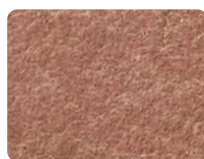
Black



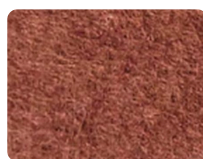
Golden Sunset



Orange



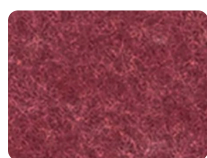
Tawny



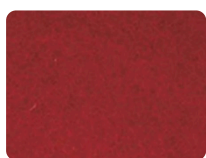
Cinnamon



Red



Claret



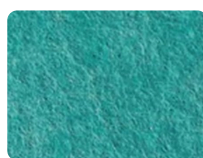
Dark Rouge



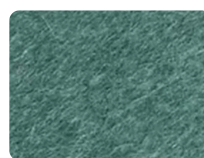
Tea Green



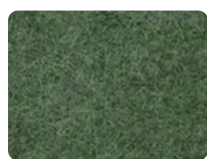
Apple Green



Aqua Turquoise



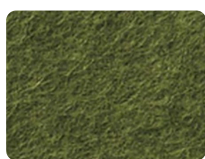
Sage Green



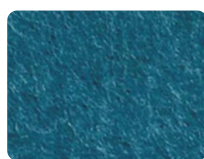
Sea Green



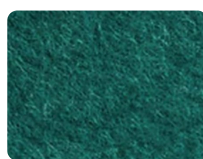
Woodland Moss



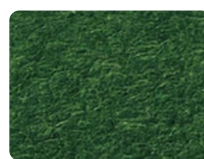
Olive Green



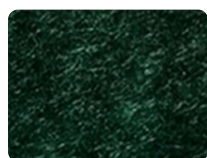
Dragonfly



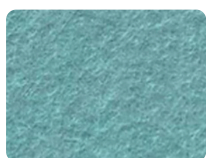
Teal



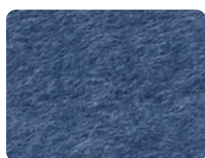
Green



Pine Green



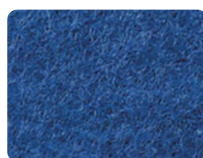
Mermaid Blue



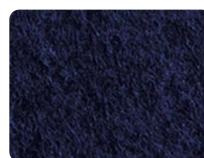
Steel Blue



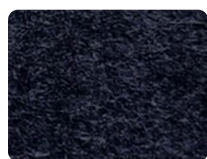
Blue Jay



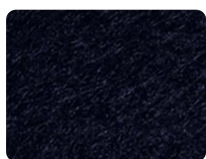
Cornflower Blue



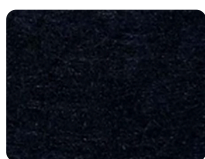
Oxford Blue



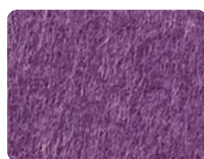
Galaxy



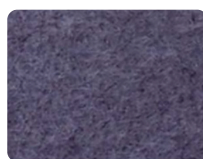
Midnight Blue



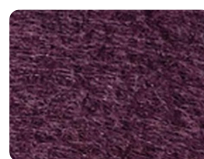
Deep Ocean



Purple



Purple Grape



Plum

Note. Screen and print colours are indicative. Order a sample pack to judge colour and texture in your own space and light.

ACOUSTICS

Acoustics in plain English.

Hard walls bounce sound back into a room. Felt soaks some of it up instead. The more wall you cover, the bigger the difference.

The figures, for anyone comparing specs

α_w 0.30

Class D. Tested to ISO 354, flat on a rigid backing.

NRC 0.40

Calculated by us from the same lab data.

These are figures for the 12mm felt itself.

Tiles cover part of a wall, so the effect in your room depends on how much you cover. Button-fix stands each tile 8mm off the wall. The α_w 0.30 figure is for tiles fixed flat to the wall.

Wall tiles improve how a room sounds. They do not block sound passing through a wall.

For that, see [Shell, our soundproofing system](#).

FIRE AND SUSTAINABILITY

Fire and sustainability.

Class B-s1,d0

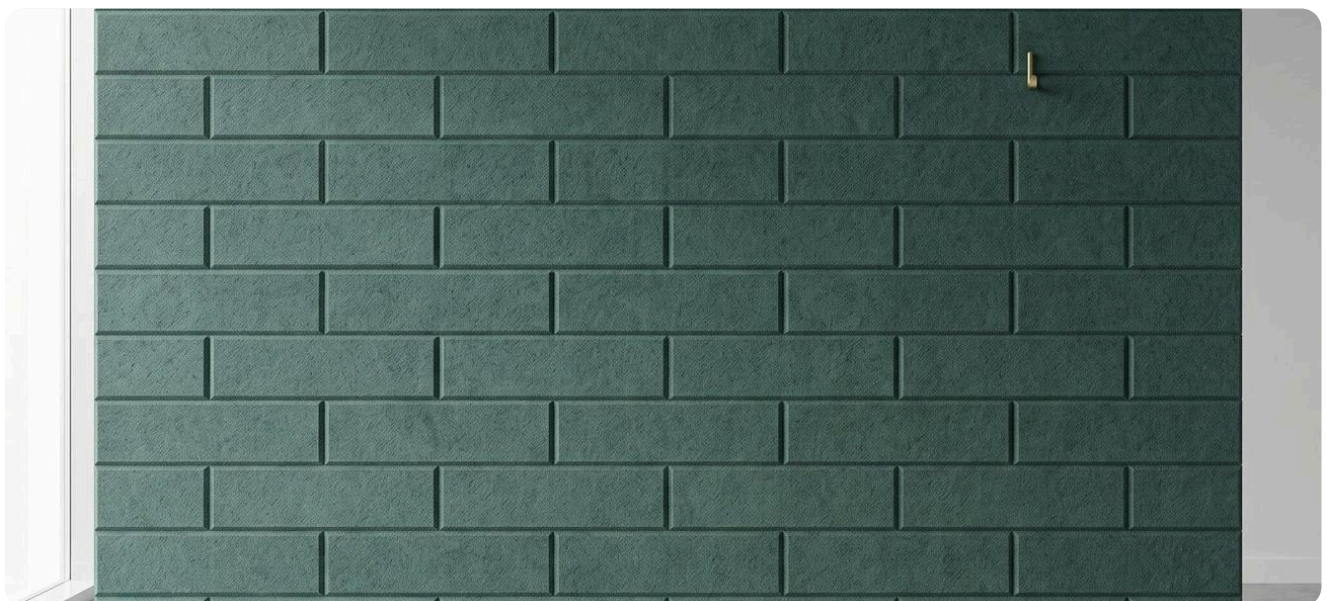
Fire, to BS EN 13501-1:2018.

75%

Post-consumer recycled PET.

2.4kg/m²

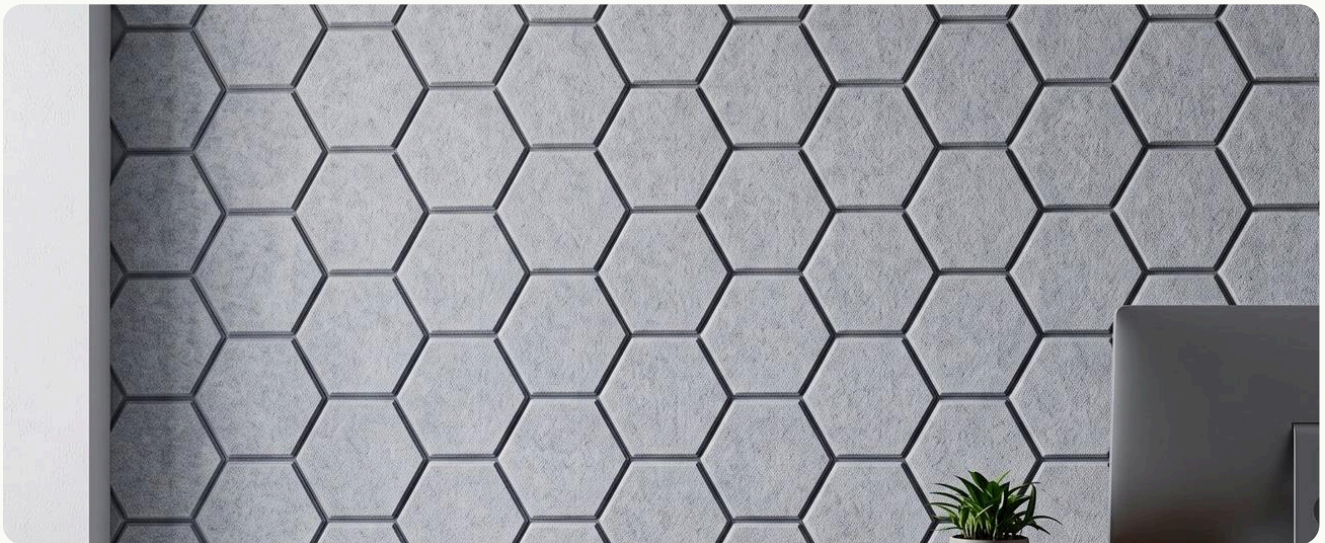
Light enough to fix without heavy-duty fixings.



INSTALLATION

Installation.

- 1 Plan your layout.** Use the setting-out grid for your shape. Hexagon has point-up and flat-up grids. Einstein Hat and Type 15 Pentagon each have an installation guide and a dimensions sheet.
- 2 Choose your joint.** Butt tiles tight or leave a gap. 5mm is a common choice. The gap is up to you.
- 3 Mark out the wall.** Start from a level line, not the floor or ceiling.
- 4 Fix the tiles.** There are three methods:
 - Adhesive gives the best finish. Use a solvent-free, low-VOC adhesive suited to PET felt and your wall.
 - Button-fix Type 3 panel fixings give a clean finish with a hidden push-fit clip and no visible screws. The tile pulls off when you need to get behind it. The Button-fix marker tool is sold separately.
 - Pin head nails are the quickest fix, though the heads may show.
- 5 Trim the edges.** Cut boundary tiles to fit with a sharp blade. Einstein Hat and Type 15 Pentagon always need edge trimming.



SETTING-OUT GRIDS AND GUIDES

[Square: Setting-out grid →](#)

[Hexagon: Point-up grid →](#)

[Right Angle Triangle: Setting-out grid →](#)

[Circle: Setting-out grid →](#)

[Ogee: Setting-out grid →](#)

[Einstein Hat: Installation guide →](#)

[Type 15 Pentagon: Installation guide →](#)

[Brick: Setting-out grid →](#)

[Hexagon: Flat-up grid →](#)

[Equilateral Triangle: Setting-out grid →](#)

[Chevron: Setting-out grid →](#)

[Paseo: Setting-out grid →](#)

[Einstein Hat: Dimensions →](#)

[Type 15 Pentagon: Dimensions →](#)

CARE

Care.

Light vacuuming keeps dust from building up, and also lifts the surface texture if it flattens. Most marks come off with a mild detergent solution. Rinse with clean warm water, then blot dry. Spot clean only, working from the outside of the mark towards the centre. Avoid harsh scrubbing, stiff brushes and solvent-based cleaners. Always test a method on a hidden area first, especially on tiles fixed with adhesive. For specific stains, follow the treatment chart in our [Care & Maintenance guide](#).

FAQ

FAQ.

Are wall tiles soundproofing?

No. They improve how a room sounds by soaking up echo. To reduce sound passing through a wall, see [Shell](#).

How many packs do I need?

Divide your wall area by the coverage per pack, then allow extra for edge cuts.

Can I cut them myself?

Yes. A sharp blade cuts the felt cleanly.

Can I mix colours?

Yes. Each pack is one colour, so order a pack per colour in your design.

Can I take them down later?

With Button-fix, yes. The tiles pull off the clip. Adhesive is permanent.

Can I see the colours first?

Yes. [ORDER A SAMPLE PACK →](#)

