



BROCHURES & GUIDES

PET felt acoustic wall panels: the complete guide.

Plain and engraved panels in 12mm and 24mm recycled PET felt, in up to 48 colours. Sizes, acoustics, fire rating and how to fit them.

OVERVIEW

Overview.

Felted wall panels are large sheets of 12mm or 24mm PET felt that cover a wall in one clean, textured finish. Choose a plain panel in one of eight sizes, or an engraved panel with a pattern cut into the face.

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. Use one panel as a feature, or run several together across a whole wall.

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panel designs

48

colours

12 & 24mm

PET felt

B-s1,d0

fire class

75%

recycled PET



Looks.

Start with the finish you want. Some ideas:

All images in this guide are styled images.

- 1 Plain, square edge.** Crisp edges that butt into one flat sheet. Eight sizes in 12mm or 24mm.
- 2 Plain, rounded edge.** 25mm radius corners for a softer look. Eight sizes in 12mm or 24mm.
- 3 Lines and grooves.** Vertical Grooves, Horizontal Groove, Diagonal Groove, Deck and Linguine. Engraved lines that add rhythm and direction.
- 4 Geometric.** Squares, Brickwork, Lattice, Herringbone, Chevron and Feather. Familiar patterns, cut into the felt.
- 5 Curves.** Arches, Ripple and Concentric. Soft, flowing lines that calm a busy room.
- 6 Motifs.** Palms, Octagon and Geo Blocks. Bolder shapes that make the panel the focal point.



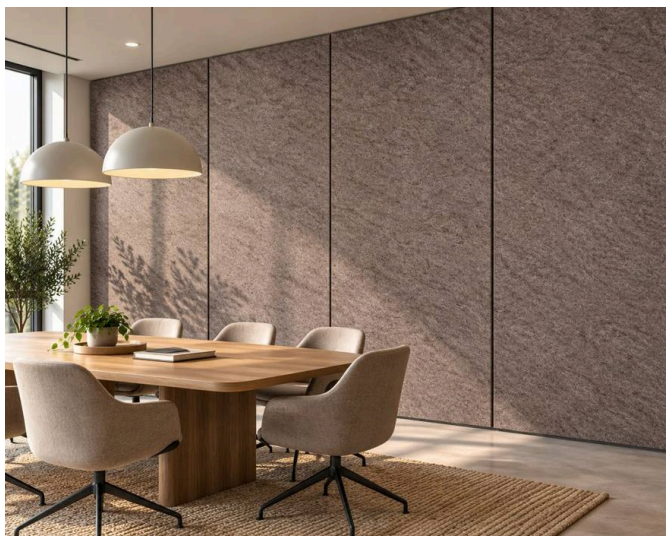
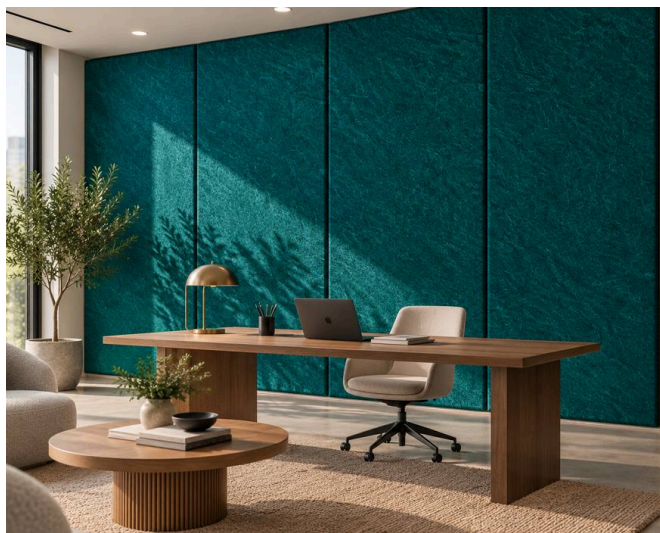
Square edge.

12mm in 48 colours, 24mm in 20 colours / 8 sizes, 600 x 600 to 2440 x 1220 mm

Once a wall is fully clad, 12mm and 24mm square edge panels read the same from the front.

[SHOP SQUARE EDGE 12MM →](#)

[SHOP SQUARE EDGE 24MM →](#)

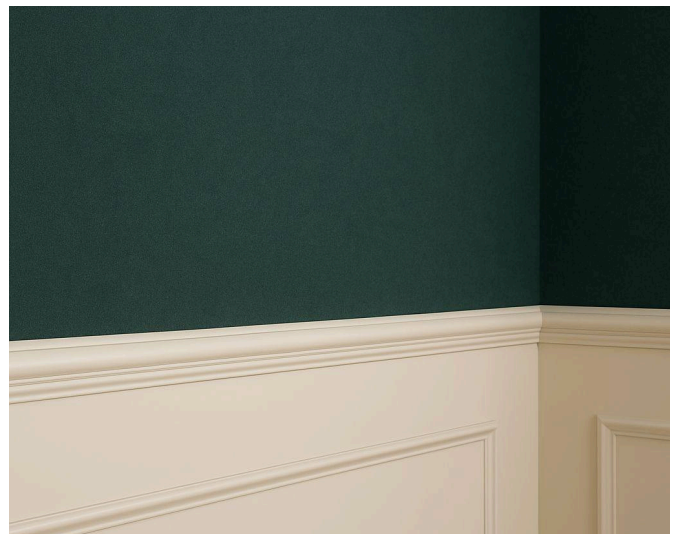
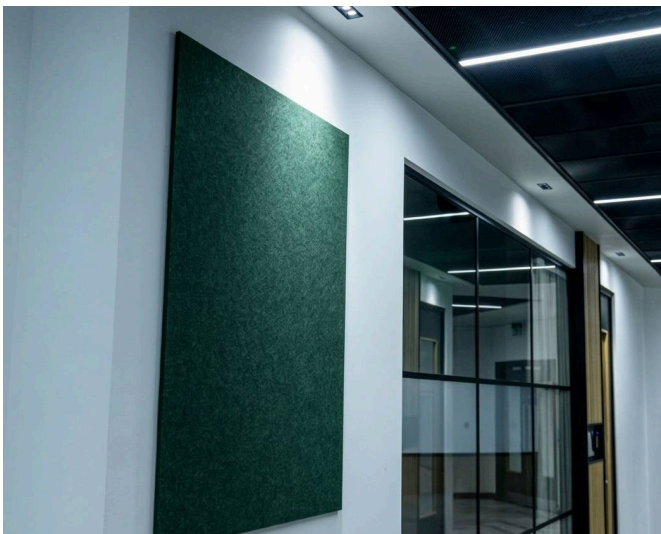
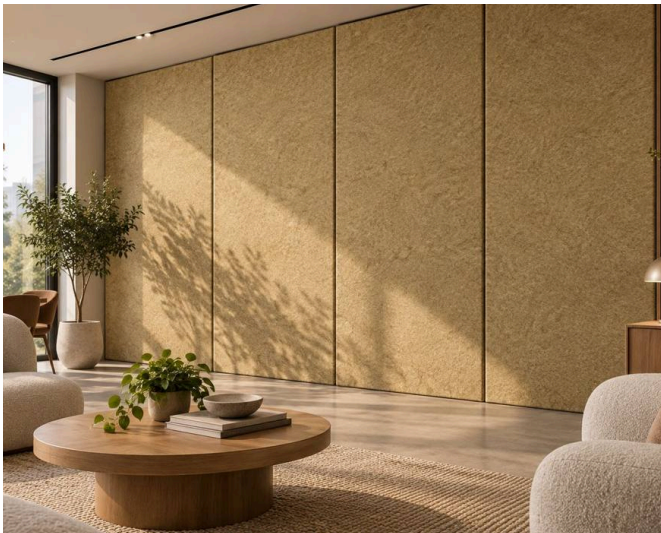


Square edge.

12mm in 48 colours, 24mm in 20 colours / 8 sizes, 600 x 600 to 2440 x 1220 mm

[SHOP SQUARE EDGE 12MM →](#)

[SHOP SQUARE EDGE 24MM →](#)

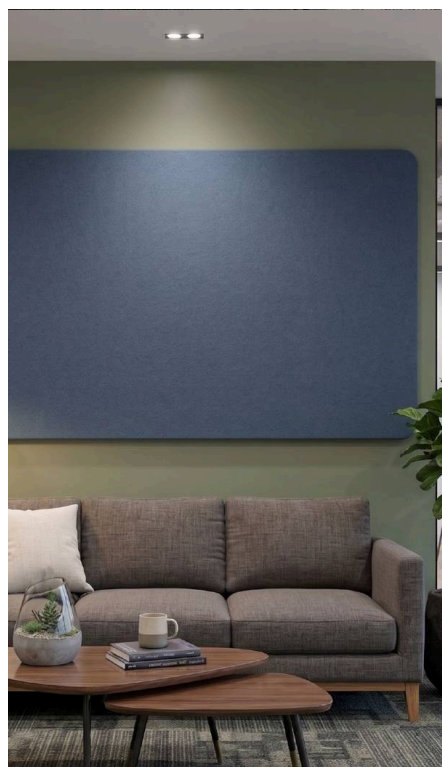
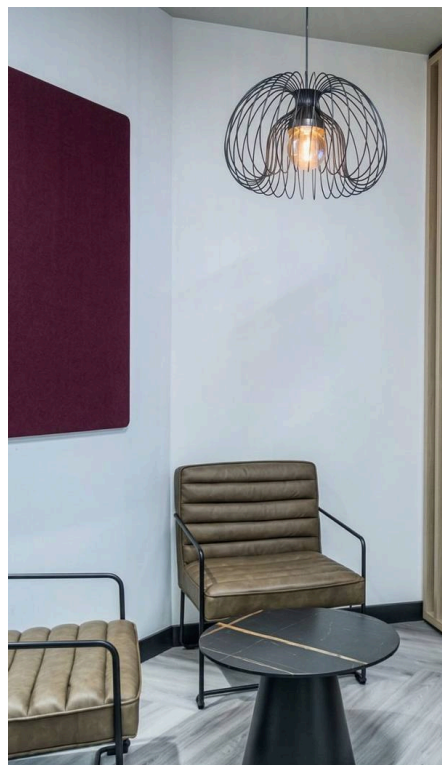
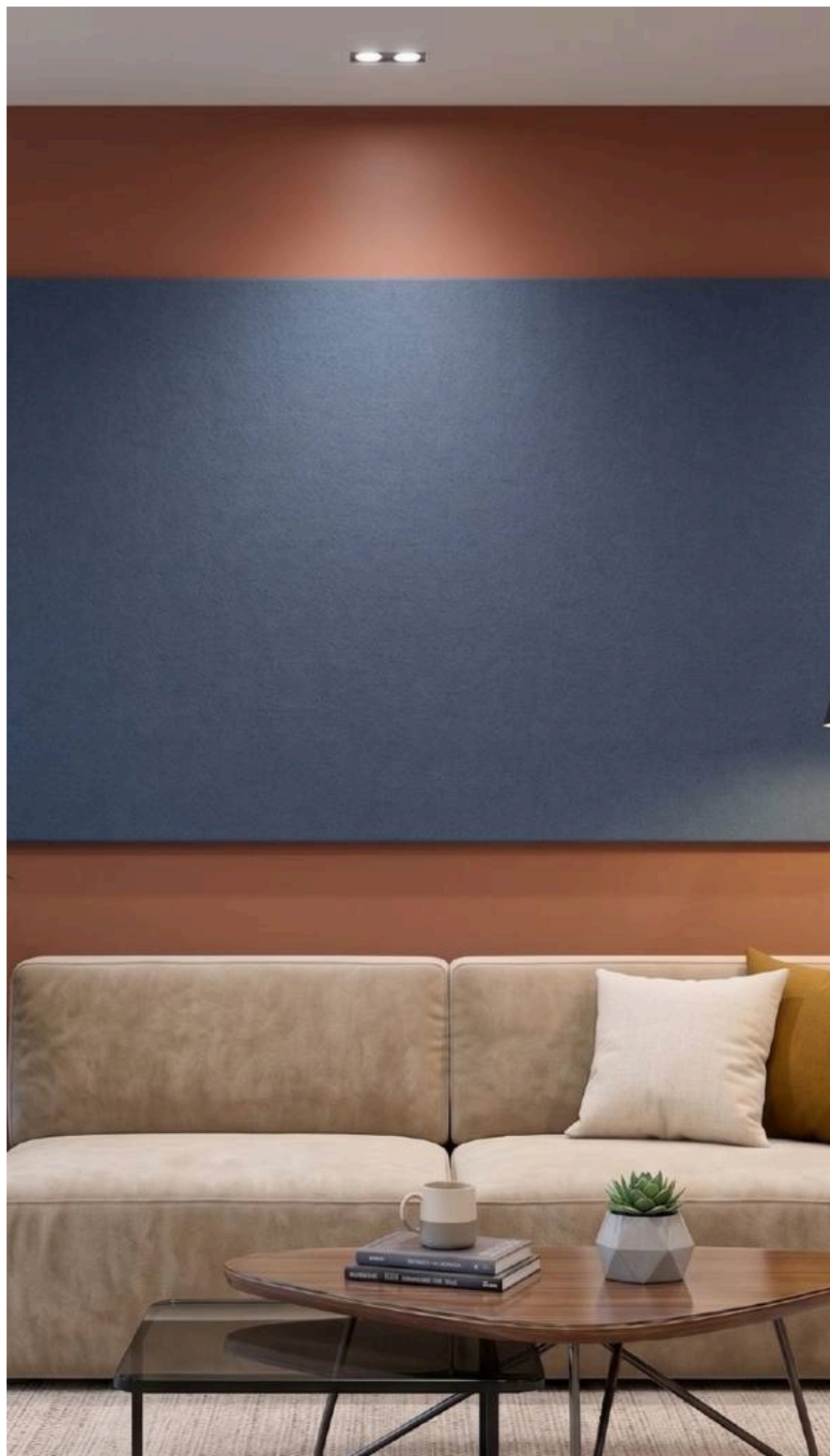


Rounded edge.

25mm radius corners / 12mm in 48 colours, 24mm in 20 colours / 8 sizes

[SHOP ROUNDED EDGE 12MM](#) →

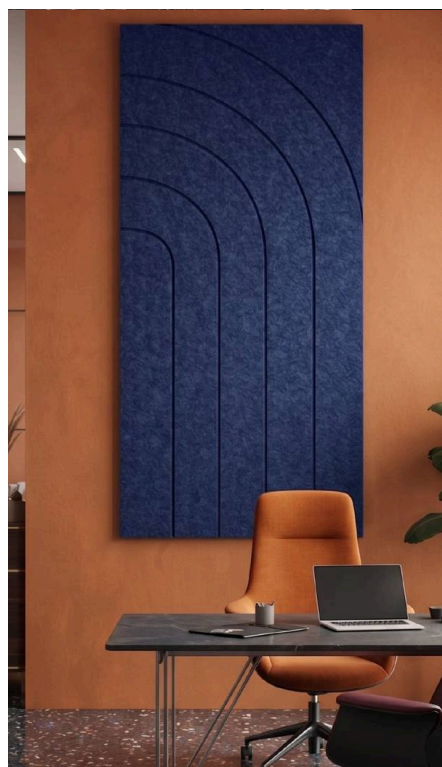
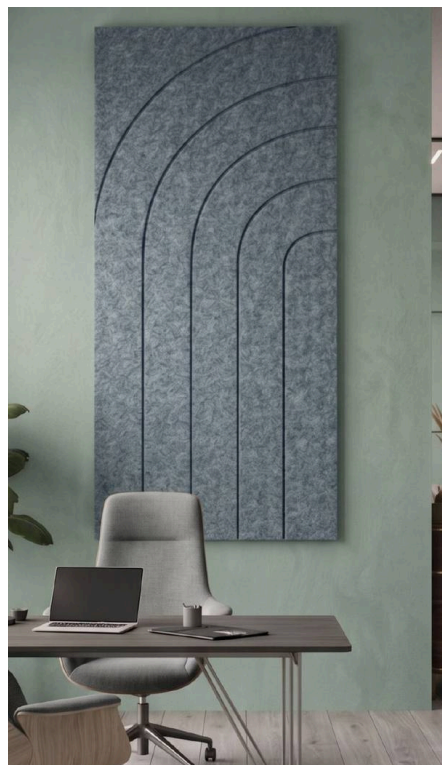
[SHOP ROUNDED EDGE 24MM](#) →



Arches.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

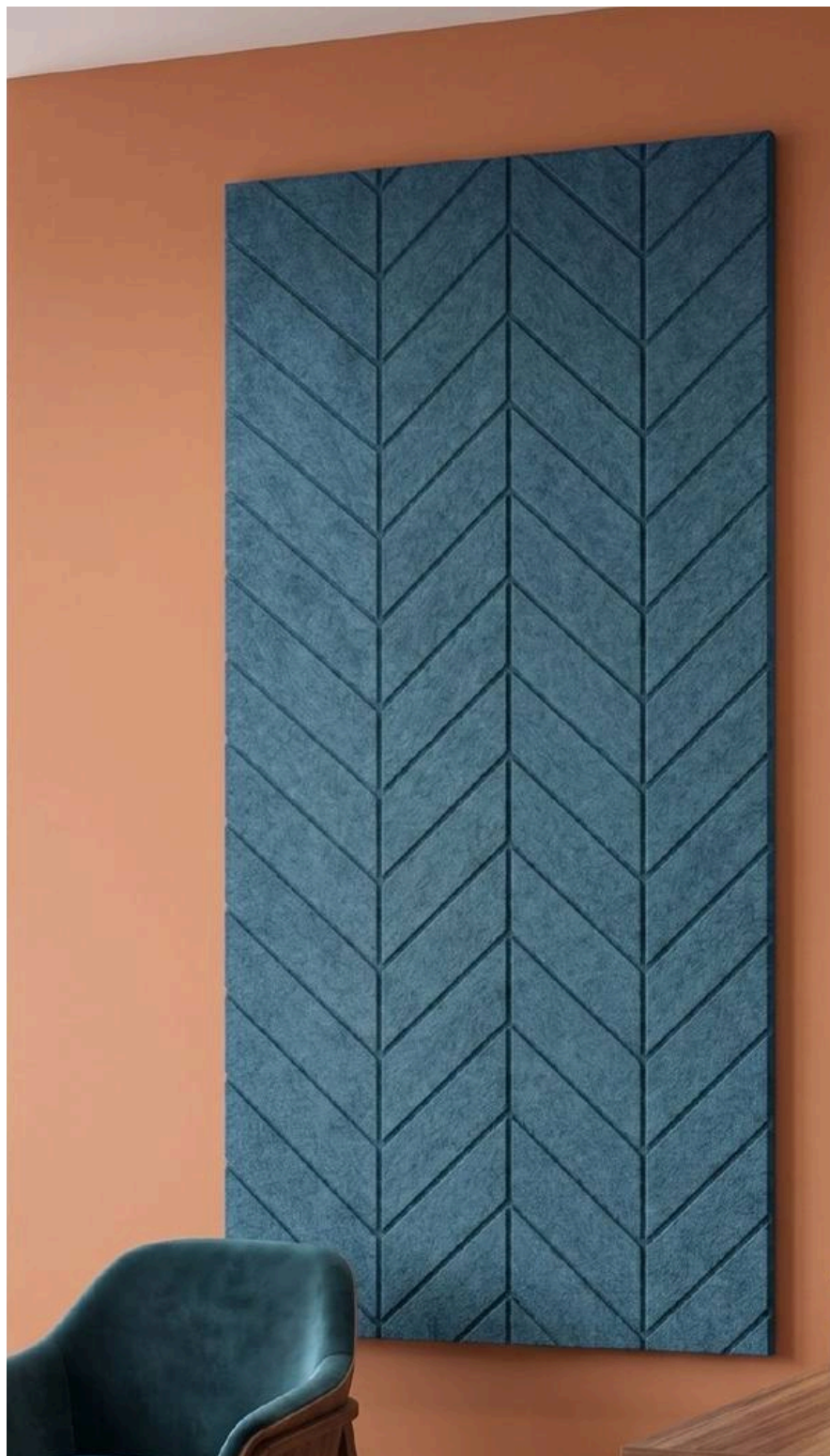
[SHOP ARCHES](#) →
[DATA SHEET \(PDF\)](#) →



Feather.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

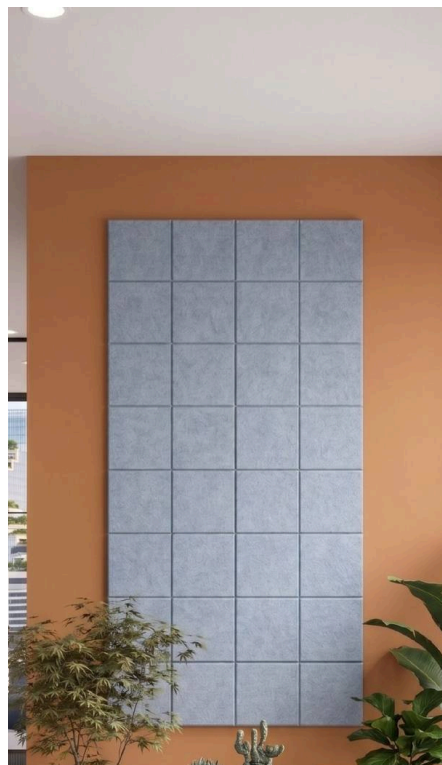
[SHOP FEATHER](#) →
[DATA SHEET \(PDF\)](#) →



Squares.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP SQUARES →](#)
[DATA SHEET \(PDF\) →](#)



Brickwork.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP BRICKWORK](#) →

[DATA SHEET \(PDF\)](#) →



Ripple.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP RIPPLE →](#)
[DATA SHEET \(PDF\) →](#)

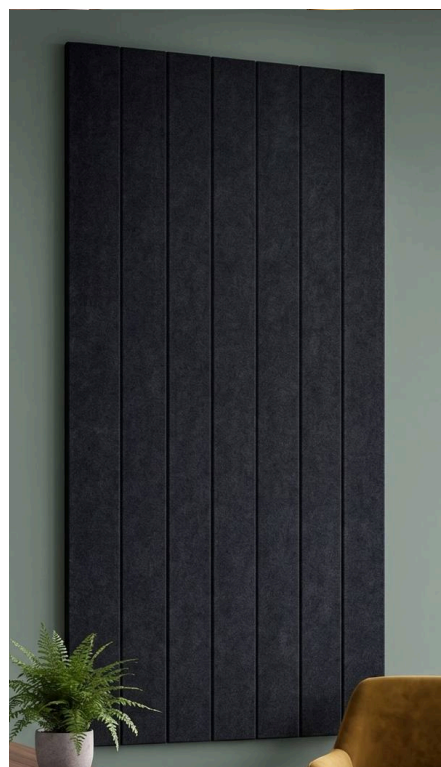


Vertical Grooves.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP VERTICAL GROOVES](#) →

[DATA SHEET \(PDF\)](#) →

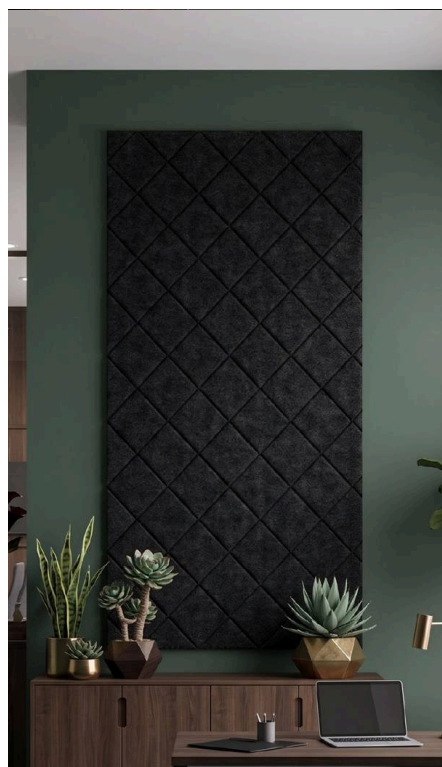


LOOKS 10 / 20

Lattice.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP LATTICE →](#)
[DATA SHEET \(PDF\) →](#)

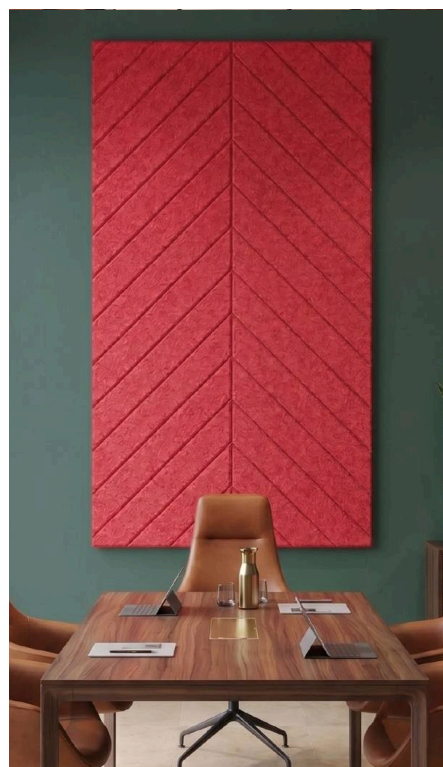
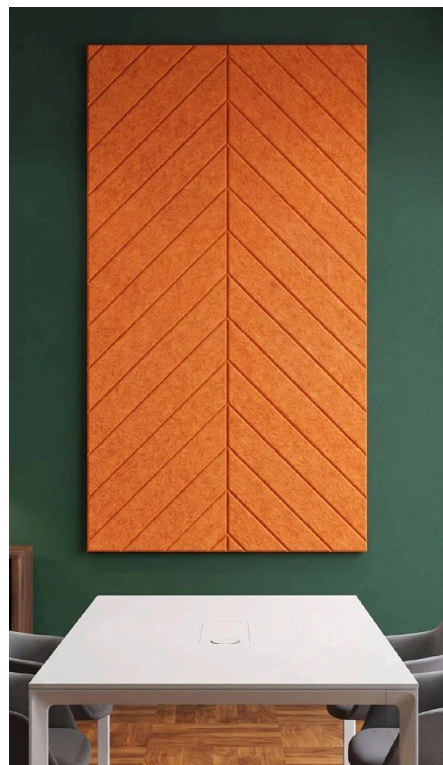


Herringbone.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP HERRINGBONE](#) →

[DATA SHEET \(PDF\)](#) →

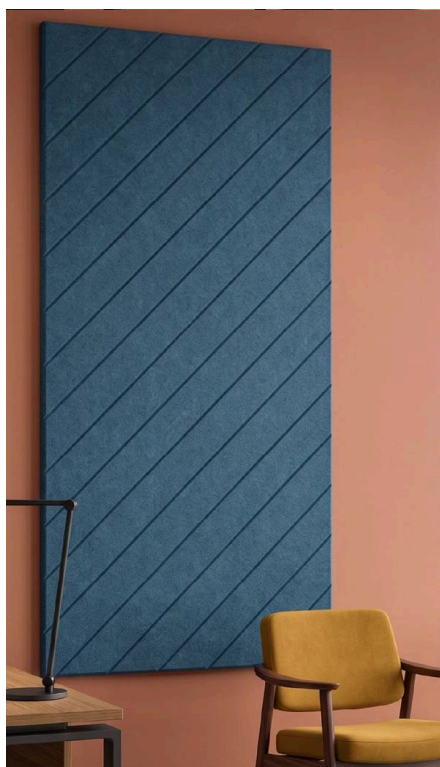


Diagonal Groove.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP DIAGONAL GROOVE](#) →

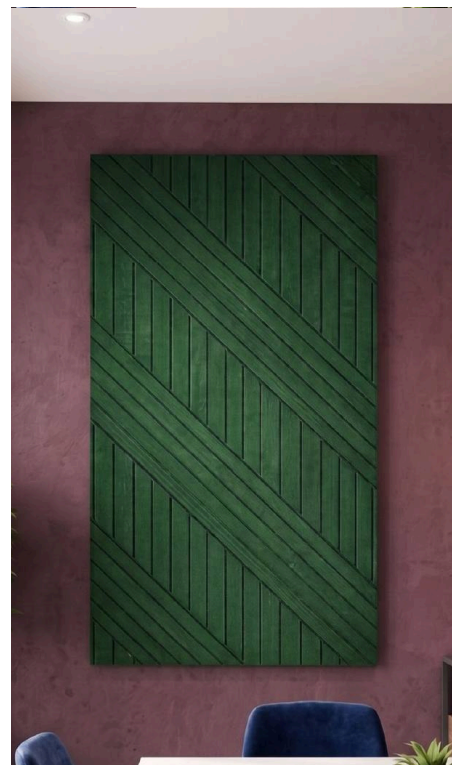
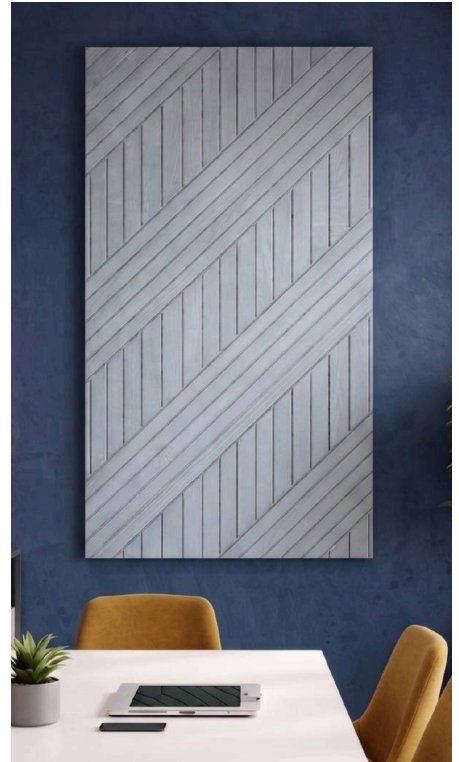
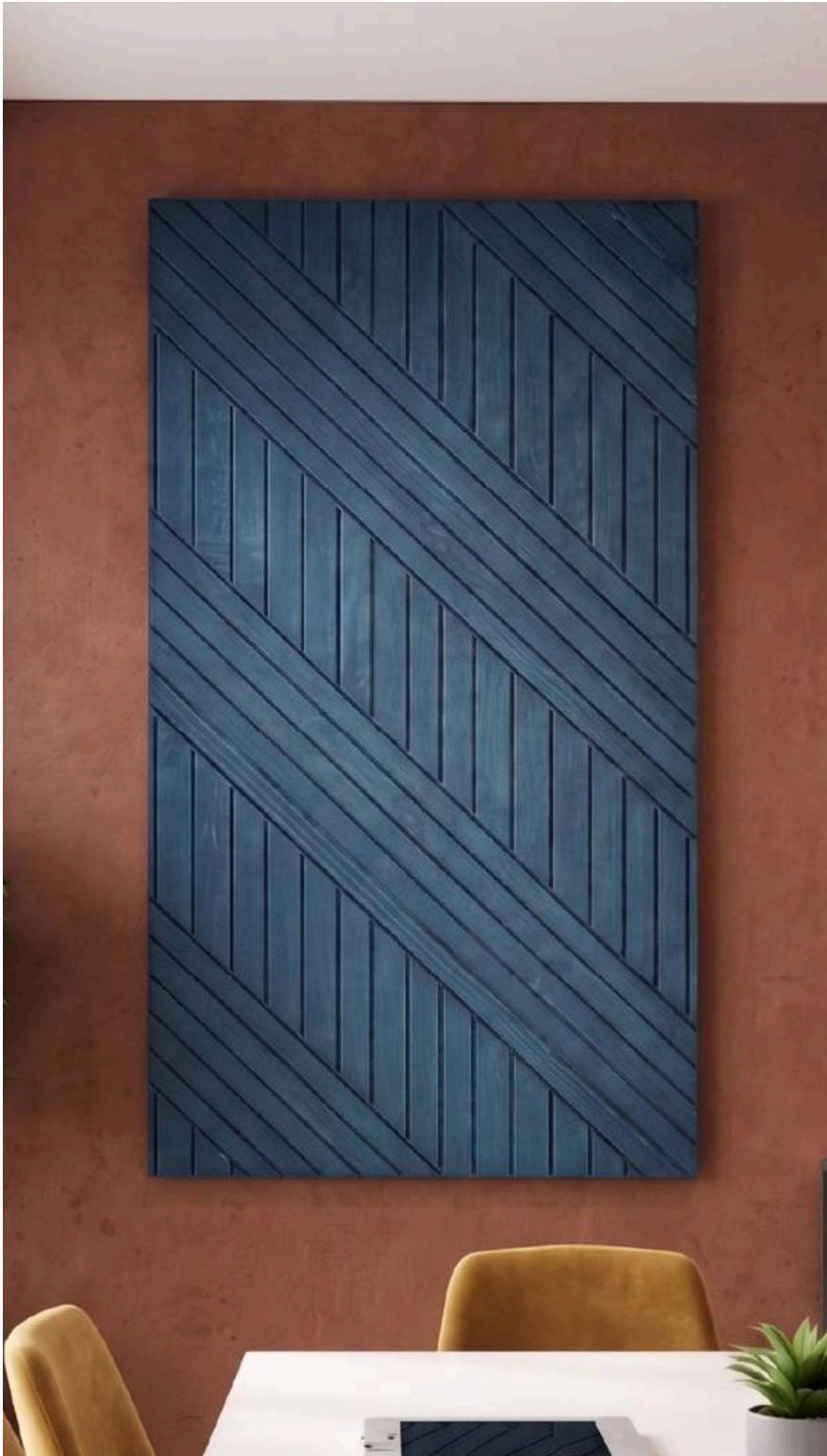
[DATA SHEET \(PDF\)](#) →



Deck.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP DECK →](#)
[DATA SHEET \(PDF\) →](#)

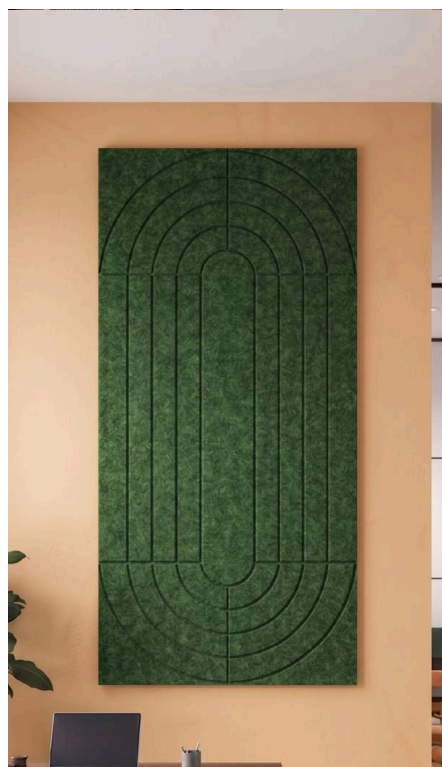
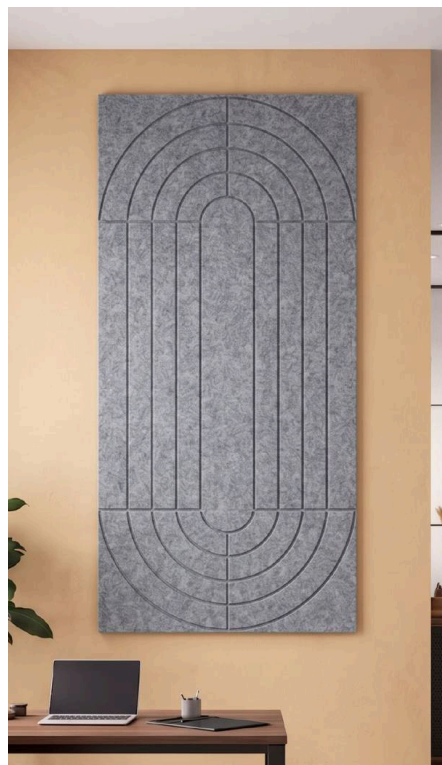
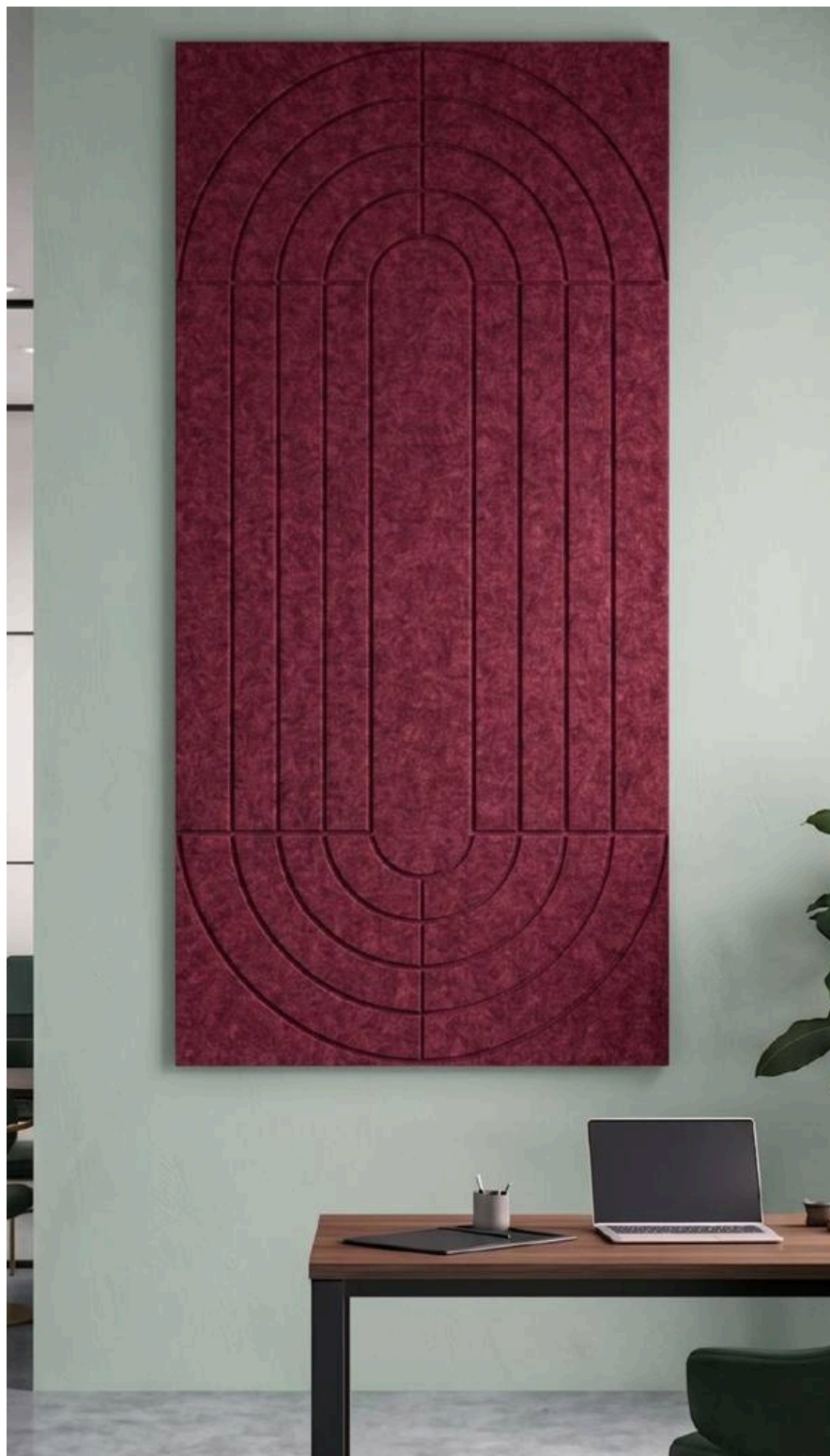


Concentric.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP CONCENTRIC](#) →

[DATA SHEET \(PDF\)](#) →



Chevron.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP CHEVRON](#) →
[DATA SHEET \(PDF\)](#) →

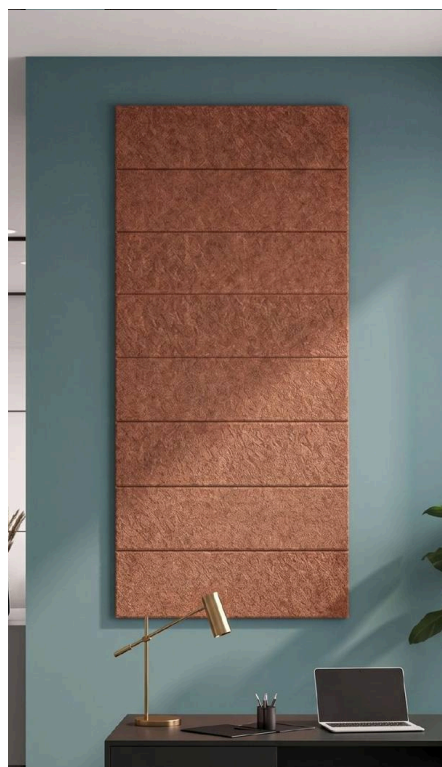
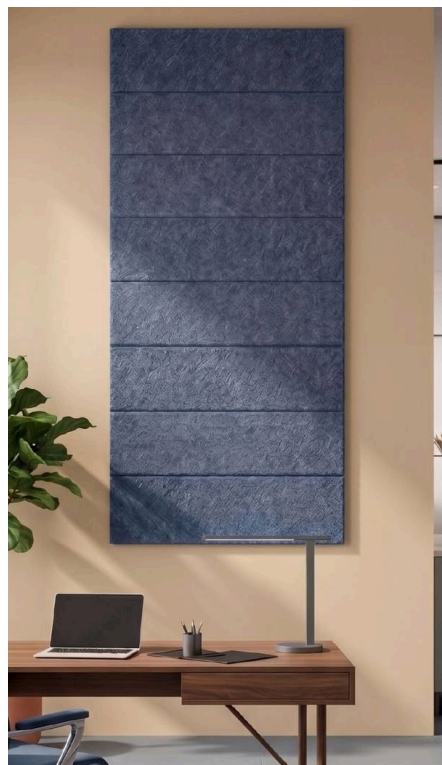


Horizontal Groove.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP HORIZONTAL GROOVE](#) →

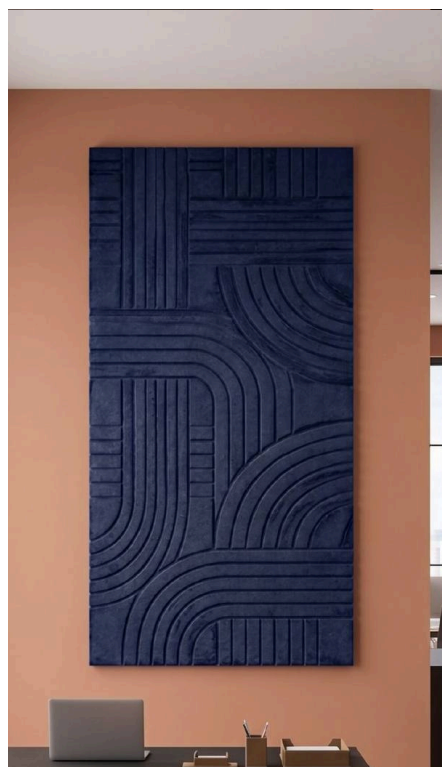
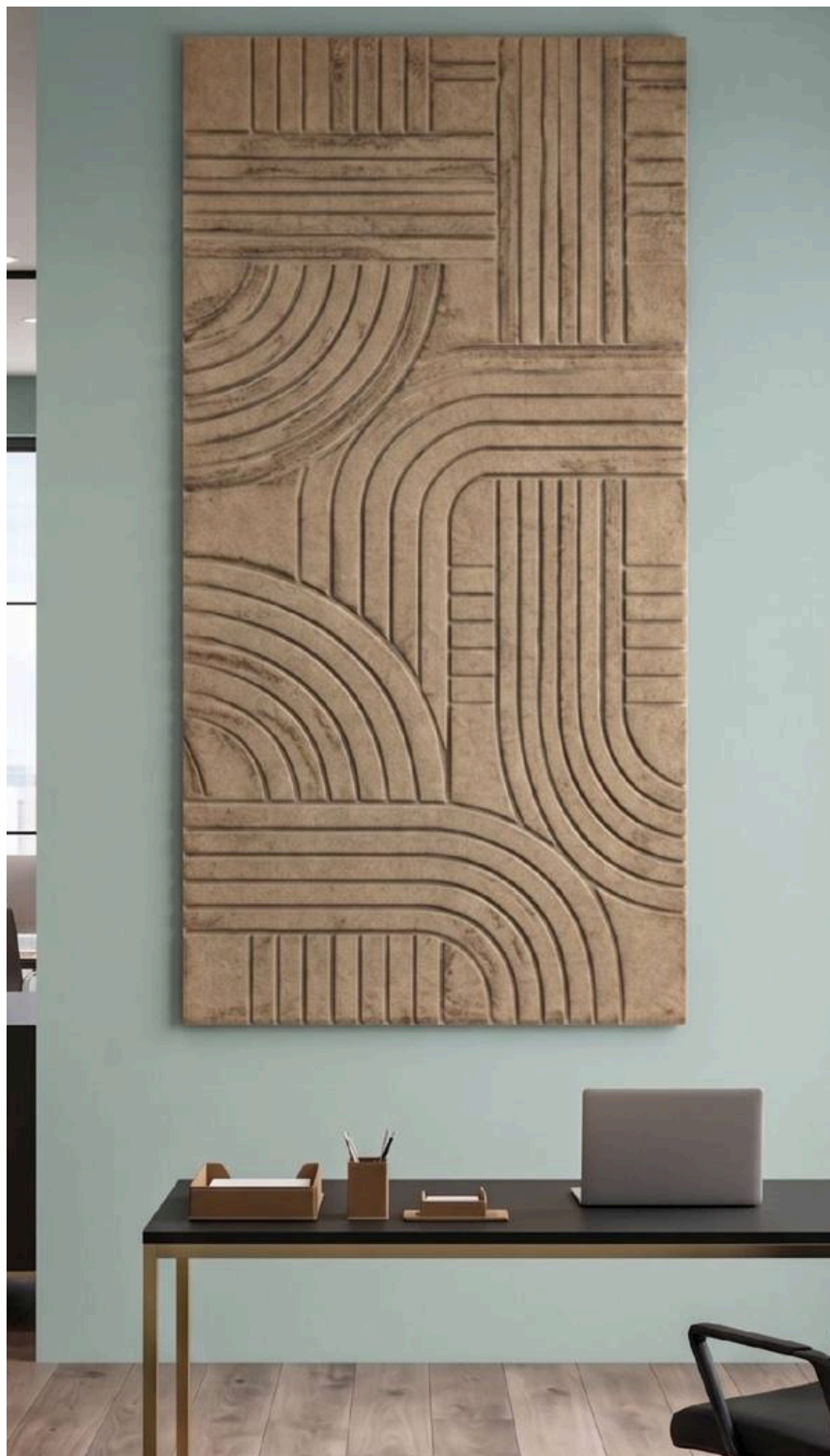
[DATA SHEET \(PDF\)](#) →



Linguine.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP LINGUINE →](#)
[DATA SHEET \(PDF\) →](#)



Palms.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

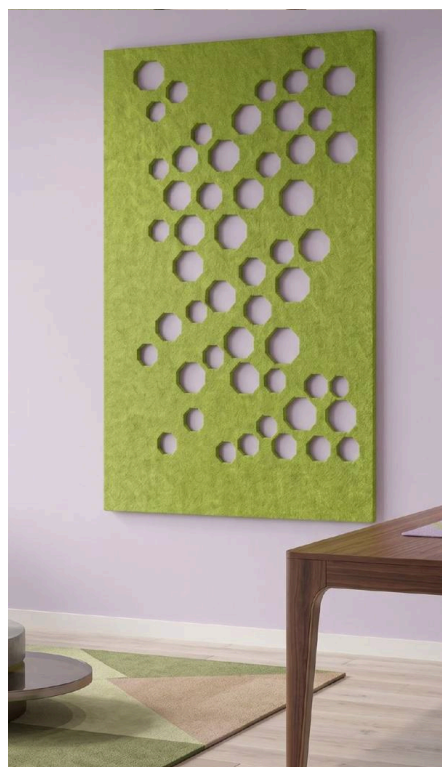
[SHOP PALMS →](#)
[DATA SHEET \(PDF\) →](#)



Octagon.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP OCTAGON](#) →
[DATA SHEET \(PDF\)](#) →



Geo Blocks.

Engraved / 2400 x 1200 mm / 12mm PET felt / 48 colours

[SHOP GEO BLOCKS →](#)

[DATA SHEET \(PDF\) →](#)



RANGE

Range.

Every panel is one colour. Plain panels come in eight sizes; engraved panels in one full size.

Plain panels



Square edge 12mm

[SHOP →](#)



Rounded edge 12mm

[SHOP →](#)



Square edge 24mm

[SHOP →](#)



Rounded edge 24mm

[SHOP →](#)

Engraved panels



Arches

[SHOP →](#)



Feather

[SHOP →](#)



Squares

[SHOP →](#)



Brickwork

[SHOP →](#)



Ripple

[SHOP →](#)



Vertical Grooves

[SHOP →](#)



Lattice

[SHOP →](#)



Herringbone

[SHOP →](#)



Diagonal Groove

[SHOP →](#)



Deck

[SHOP →](#)



Concentric

[SHOP →](#)



Chevron

[SHOP →](#)



Horizontal Groove

[SHOP →](#)



Linguine

[SHOP →](#)



Palms

[SHOP →](#)



Octagon

[SHOP →](#)



Geo Blocks

[SHOP →](#)

Shown in Natural Cotton to show the base design.

Sizes.

PANEL	SIZES (MM)	THICKNESS	EDGE	COLOURS
Plain, square edge	600 x 600	12mm	Square	48 (12mm)
	1200 x 600	24mm		20 (24mm)
	1200 x 800			
	1200 x 1200			
Plain, rounded edge	1500 x 1200	12mm	25mm radius corners	48 (12mm)
	1800 x 1200	24mm		20 (24mm)
	2400 x 1200			
	2440 x 1220			
Engraved, 17 patterns	2400 x 1200	12mm	Square	48

Engraved panels are made in one size only, so the pattern stays true to its design. They are square edge only, so engraved lines meet the edge cleanly.

2.4kg/m²

12mm board weight

4.87kg/m²

24mm board weight

2.88m²

face area of a 2400 x 1200 panel

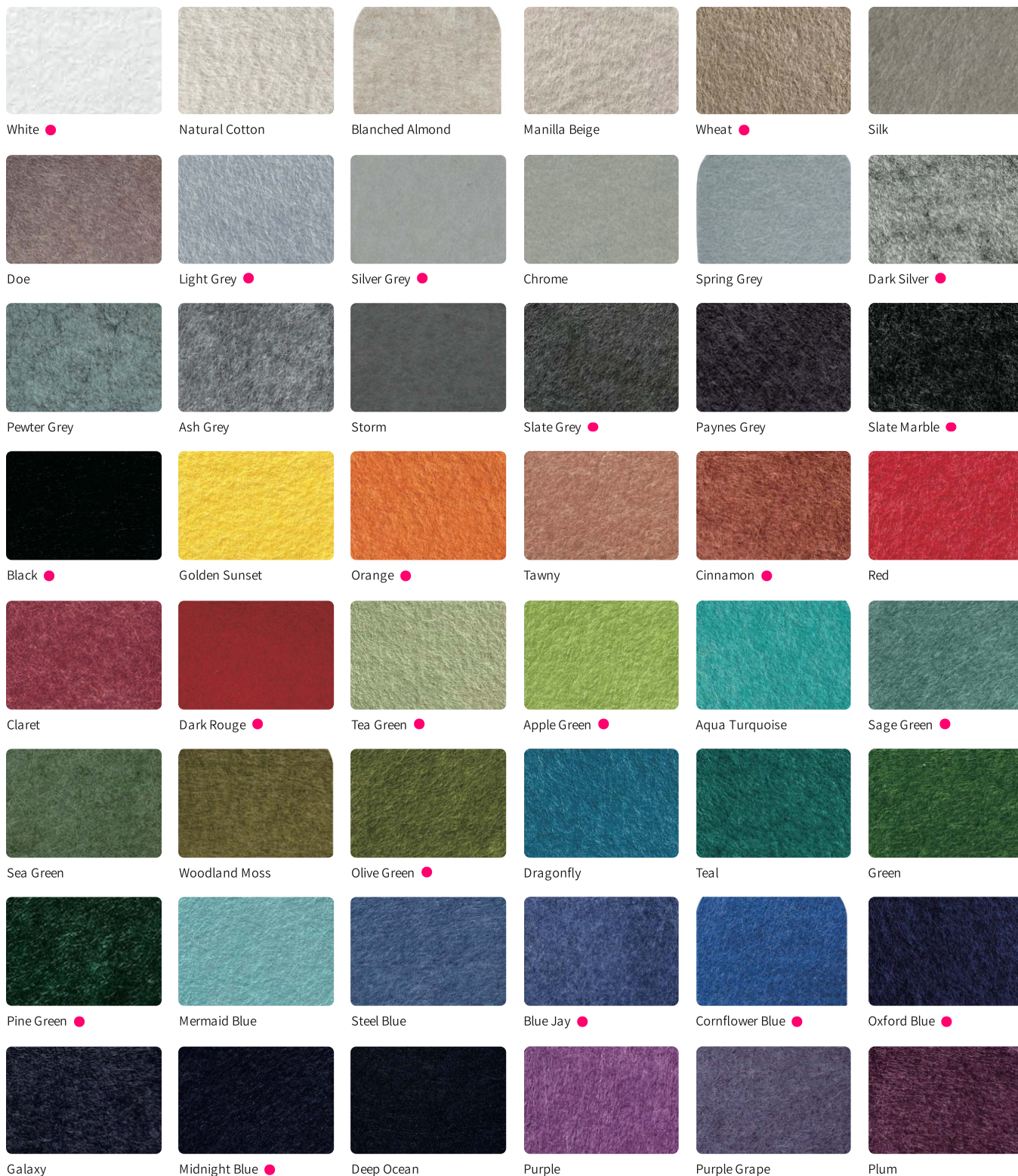
Joints

Butt panels tight or leave a gap. The gap is your choice. Square edges butted tight close to a near-seamless finish. Rounded corners always show where four panels meet, which can be part of the look.

Colours.

[ORDER A SAMPLE PACK →](#)

All 48 colours in 12mm. The 20 marked ● are also made in 24mm.



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. Panels cover more wall than most finishes, so the effect builds quickly.

12mm felt

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.

24mm felt

Class A

α_w 0.90, calculated by us from the lab results (ISO 11654 method), with the lab's NRC 0.90 at a 200mm or 400mm air gap.

NRC 0.65

Tested flat with no cavity (ISO 354 and ASTM C423). α_w 0.50 (MH), Class D, calculated from the ISO 354 data.

These are figures for the felt itself. The air-gap tests use gaps of 200mm and 400mm, far deeper than a levelling batten, so treat the flat figures as your baseline for panels on a wall.

Wall panels 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. 12mm and 24mm.

75%

Post-consumer recycled PET.

10 years

Guarantee on every panel.

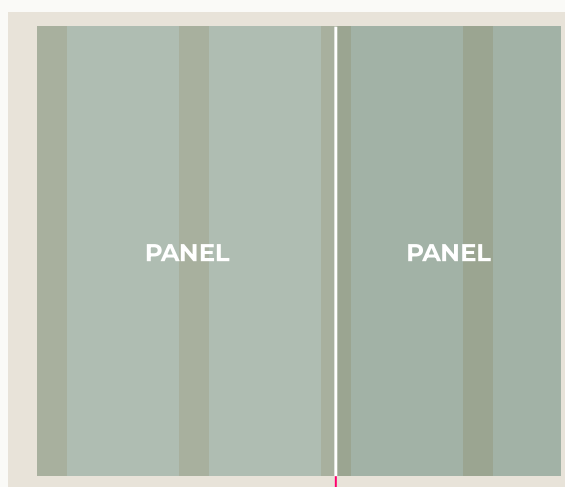
Installation.

A great panel wall starts with a flat surface.

- 1 **Check the surface first.** Panels are one even thickness, so any dip or bow in the wall or ceiling shows at the edges. Run a long straight edge across the surface in several directions before you start.
- 2 **Use levelling battens.** We recommend them. Fix battens vertically and pack them until their faces sit in one flat plane. On a fully clad wall, set them so each joint falls on the middle of a batten. The next panel butts up against it with something solid behind the seam. For a single panel, its edges land on the outer edges of the battens.
- 3 **Already flat? Fix direct.** If the straight edge sits flat everywhere, fix panels straight to the wall or ceiling.

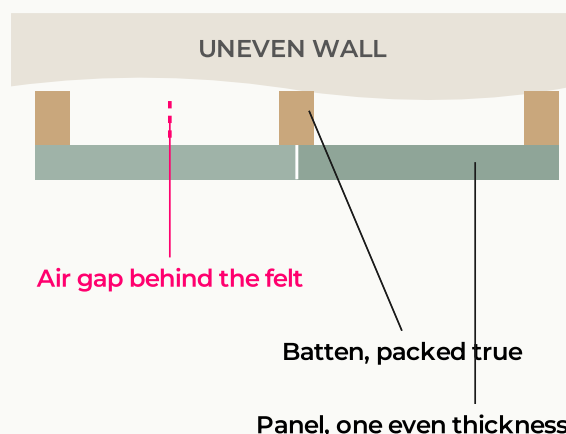
Why battens help. They do three jobs at once. They give you a flat surface. They give a firm fixing point for adhesive, nails or Button-fix. And they leave an air gap behind the felt, which improves how well it absorbs sound.

FRONT VIEW



Joint on the middle of a batten

VIEW FROM ABOVE



Fixing.

- 1 **Plan your layout.** Work out where each panel sits, and where joints and cuts will fall. Start from a level line, not the floor or ceiling.
- 2 **Choose your joint.** Butt panels tight or leave a gap. The gap is up to you.
- 3 **Fix the panels.** There are three methods:
 - **Adhesive** gives a permanent finish. Use a solvent-free, low-VOC adhesive suited to PET felt and your wall or battens.
 - **Button-fix Type 3** panel fixings give a clean finish with a hidden push-fit clip and no visible screws. The panel pulls off when you need to get behind it. Use six per 2400 x 1200 panel. The Button-fix marker tool is sold separately.
 - **Pin head nails** are the quickest fix, though the heads may show.
- 4 **Trim to fit.** Cut panels with a sharp blade and a straight edge. On engraved panels, plan cuts so the pattern lines up across joints.

DATA SHEETS AND GUIDES

[12mm plain panel: Data sheet](#) →

[Engraved panel: Data sheet](#) →

[24mm plain panel: Data sheet](#) →

[Button-fix planning guide](#) →

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 panels fixed with adhesive. For specific stains, follow the treatment chart in our Care & Maintenance guide.

FAQ

FAQ.

Are wall panels soundproofing?

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

Can I take them down later?

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

Can I pin things to them?

Yes. The 24mm panels are fully pinnable, so they double as a noticeboard.

Can I use them on a ceiling?

Yes. The same rule applies: a flat surface or levelling battens first.

Can I cut them myself?

Yes. A sharp blade and a straight edge cut the felt cleanly.

Can I see the colours first?

Yes. [Order a sample pack →](#)