



BROCHURES & GUIDES

PET felt acoustic ceiling rafts: the complete guide.

Flat rafts in 12mm and 24mm recycled PET felt, in up to 48 colours. Sizes, acoustics, fire rating and how to hang them.

OVERVIEW

Overview.

Felted ceiling rafts are flat pieces of 12mm or 24mm PET felt that hang level below the ceiling on four wires. Choose a square, round or hexagon raft in four sizes, or a 2400mm Rectangle or Oval in 24mm.

Each raft is one colour. Hang one as a feature over a table or desk, or group several shapes and colours across a room. The felt softens how a room sounds, so speech and everyday sound feel less harsh.

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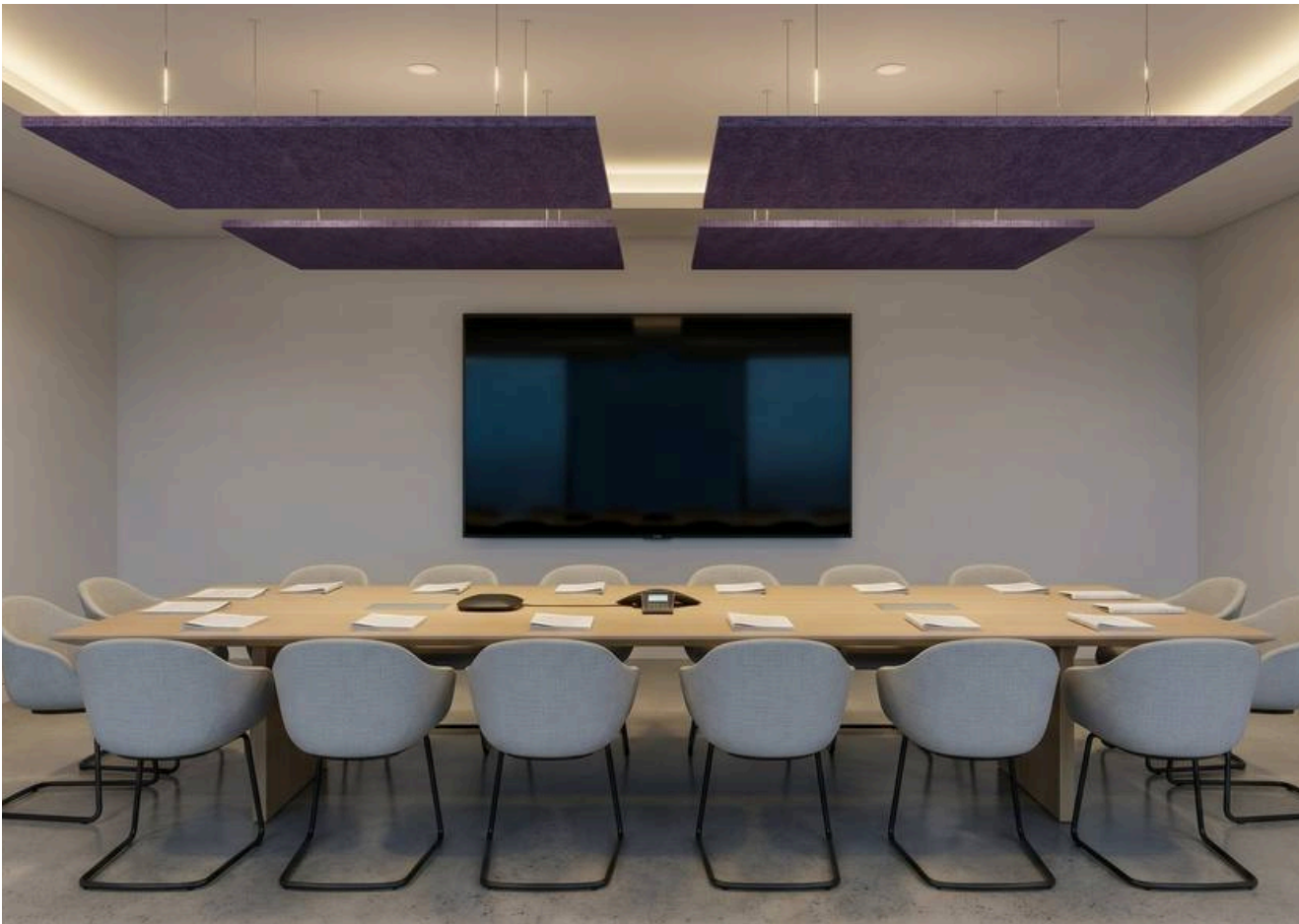
5
raft shapes

48
colours

12 & 24mm
PET felt

B-s1,d0
fire class

75%
recycled PET



LOOKS

Looks.

Start with the shape you want. Some ideas:

All images in this guide are styled images.

- 1 Square.** 25mm radius corners keep the outline soft. Four sizes in 12mm or 24mm.
- 2 Round.** A clean circle, sized by its diameter. Four sizes in 12mm or 24mm.
- 3 Hexagon.** Six sides, measured point to point. Four sizes in 12mm or 24mm.
- 4 Rectangle.** One large 2400 x 1200mm raft with 25mm radius corners. 24mm only.
- 5 Oval.** A soft, rounded outline at 2400 x 1200mm. 24mm only.
- 6 Mix and group.** Each raft is one colour. Mix shapes and colours to build a pattern across a ceiling.

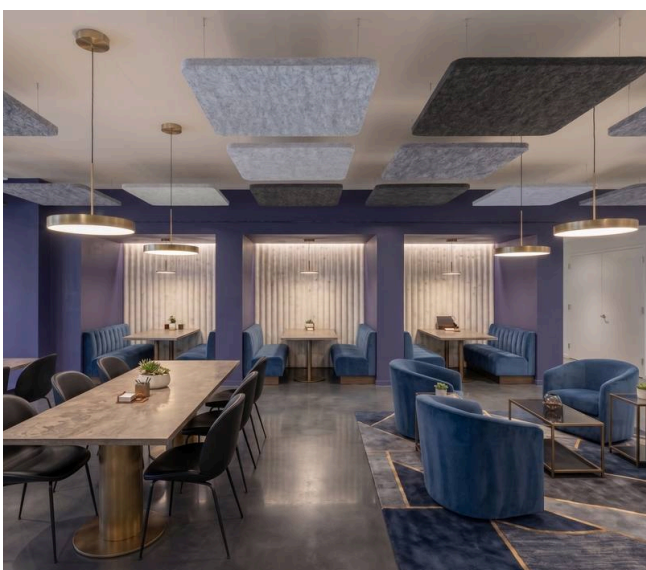
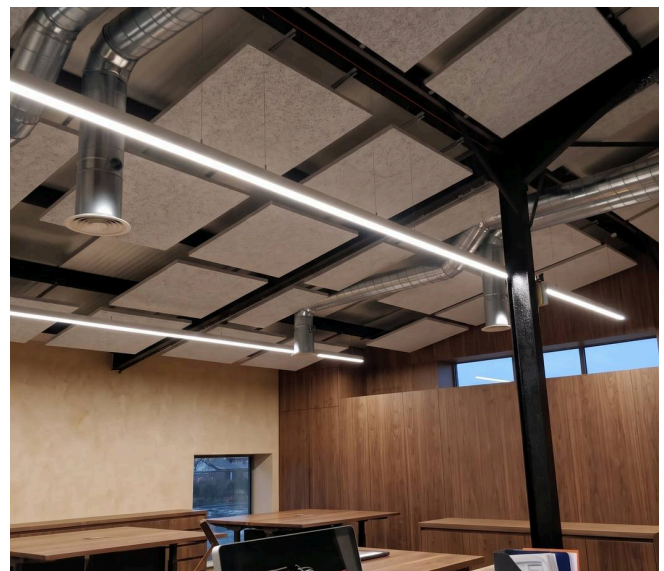
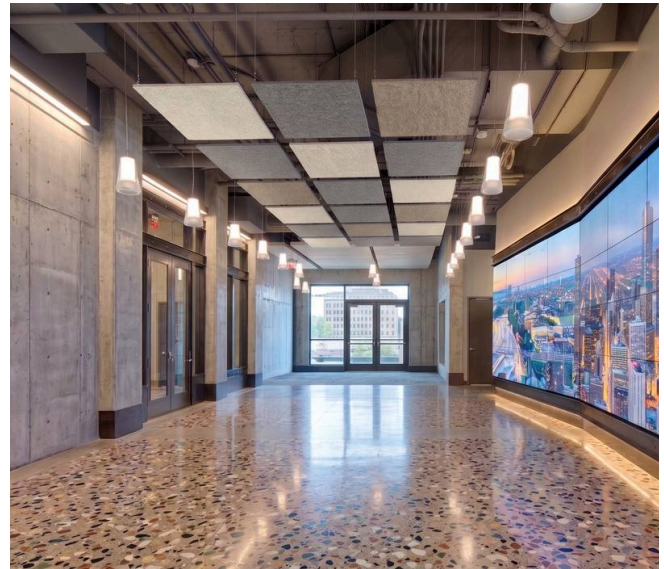


Square.

25mm radius corners / 12mm in 48 colours, 24mm in 20 colours / 4 sizes, 600 x 600 to 1200 x 1200 mm

[SHOP SQUARE 12MM](#) →

[SHOP SQUARE 24MM](#) →

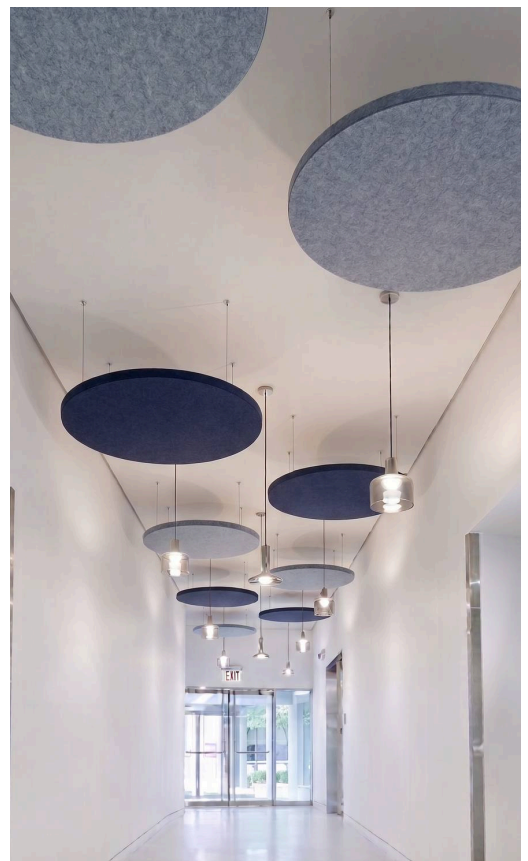


Round.

Sized by diameter / 12mm in 48 colours, 24mm in 20 colours / 4 sizes, 600 to 1200 mm

[SHOP ROUND 12MM](#) →

[SHOP ROUND 24MM](#) →

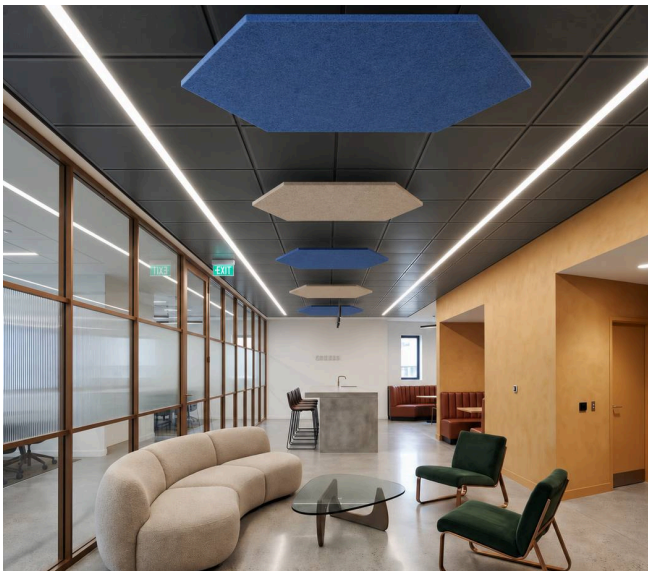
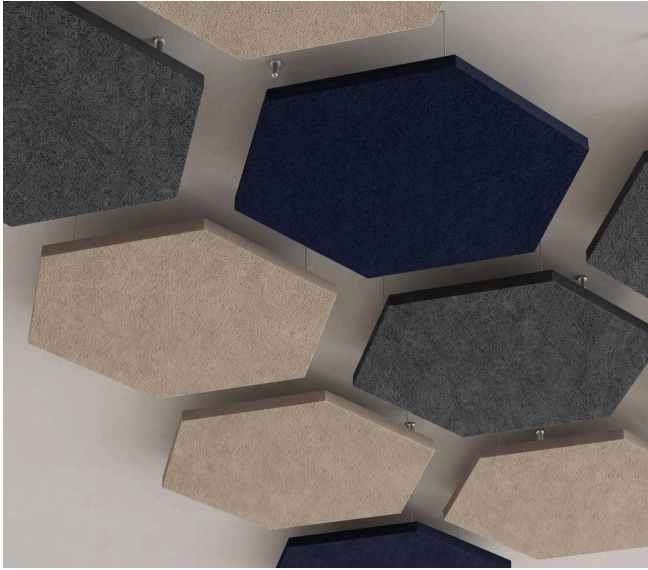


Hexagon.

Measured point to point / 12mm in 48 colours, 24mm in 20 colours / 4 sizes, 600 to 1200 mm

[SHOP HEXAGON 12MM](#) →

[SHOP HEXAGON 24MM](#) →



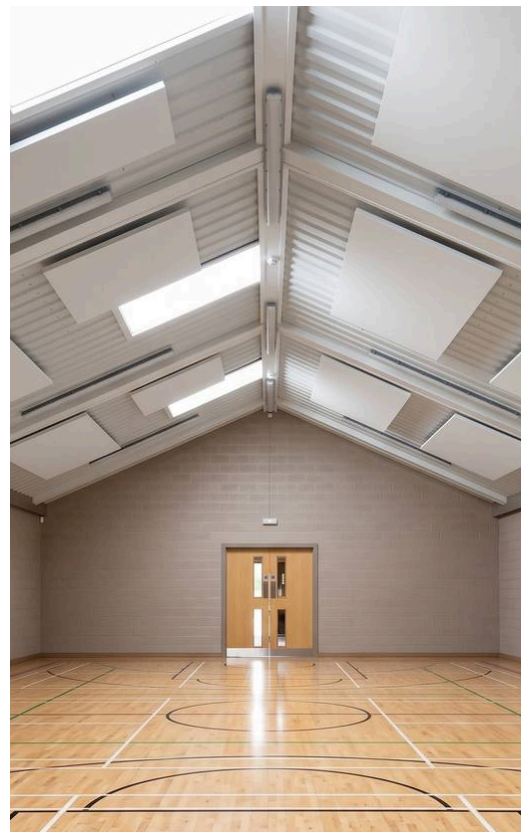
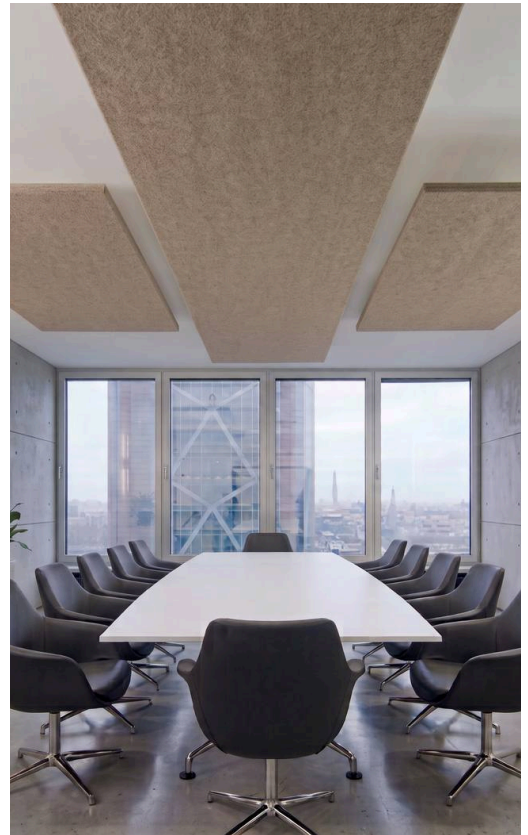
Rectangle.

2400 x 1200 mm / 25mm radius corners / 24mm PET felt / 20 colours

One large raft makes a single statement over a table, a desk run or a whole room.

[SHOP RECTANGLE →](#)

[DATA SHEET \(PDF\) →](#)

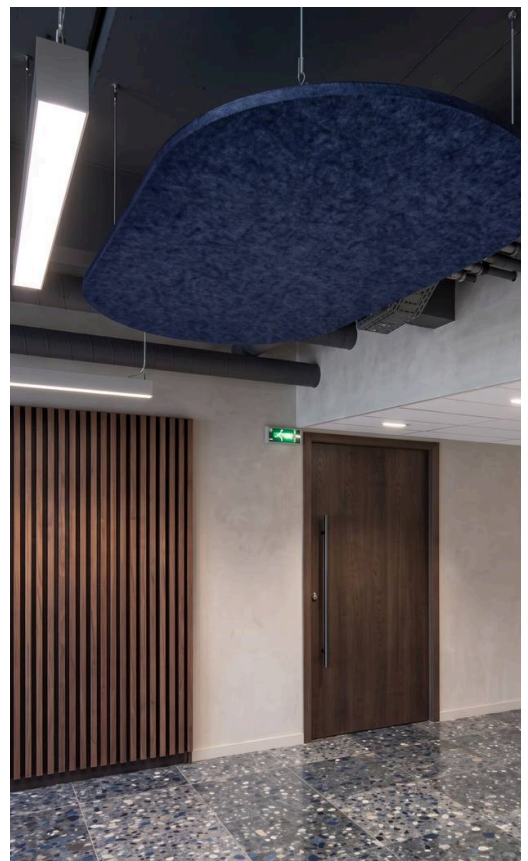


Oval.

2400 x 1200 mm / 24mm PET felt / 20 colours

[SHOP OVAL →](#)

[DATA SHEET \(PDF\) →](#)



RANGE

Range.

Every raft is one colour. Square, round and hexagon come in four sizes; Rectangle and Oval in one large size.

12mm rafts



Square 12mm

[SHOP →](#)



Round 12mm

[SHOP →](#)



Hexagon 12mm

[SHOP →](#)

24mm rafts



Square 24mm

[SHOP →](#)



Round 24mm

[SHOP →](#)



Hexagon 24mm

[SHOP →](#)



Rectangle 24mm

[SHOP →](#)



Oval 24mm

[SHOP →](#)

Shown in Natural Cotton to show the base design.

Sizes.

RAFT	SIZES (MM)	THICKNESS	SHAPE	COLOURS
Square	600 x 600	12mm	25mm radius corners	48 (12mm)
	800 x 800	24mm		20 (24mm)
	1000 x 1000			
	1200 x 1200			
Round	600, 800, 1000, 1200	12mm	Size is the diameter	48 (12mm)
		24mm		20 (24mm)
Hexagon	600, 800, 1000, 1200	12mm	Measured point to point	48 (12mm)
		24mm		20 (24mm)
Rectangle	2400 x 1200	24mm	25mm radius corners	20
Oval	2400 x 1200	24mm	Soft, rounded outline	20

Round and hexagon rafts are cut from a square of the stated size. Every raft is square edge.

Raft weights

SIZE	SQUARE	ROUND	HEXAGON
600	0.9 / 1.8kg	0.7 / 1.4kg	0.6 / 1.1kg
800	1.5 / 3.1kg	1.2 / 2.4kg	1.0 / 2.0kg
1000	2.4 / 4.9kg	1.9 / 3.8kg	1.6 / 3.2kg
1200	3.5 / 7.0kg	2.7 / 5.5kg	2.2 / 4.6kg
2400 x 1200	Rectangle 14.0kg, Oval 11.0kg (24mm)		

12mm / 24mm. Weights are typical and exclude wires.



The 24mm edge, shown on an Oval in Tea Green.

2.4kg/m²

12mm board weight

4.87kg/m²

24mm board weight

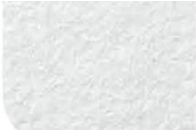
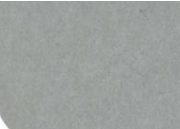
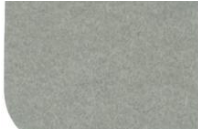
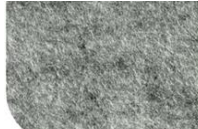
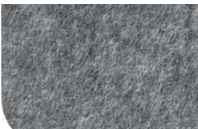
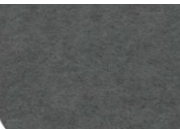
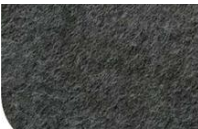
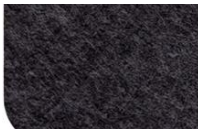
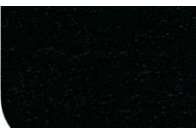
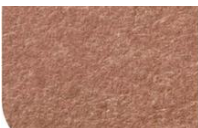
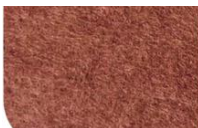
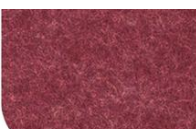
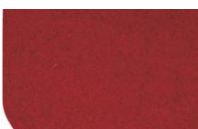
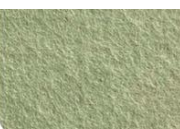
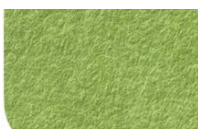
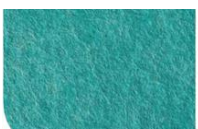
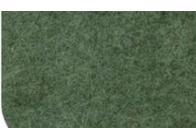
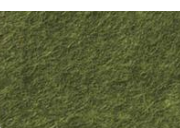
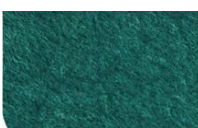
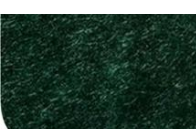
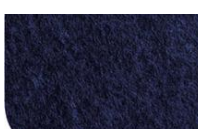
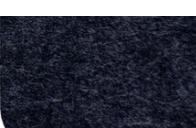
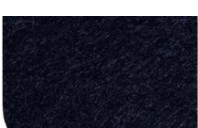
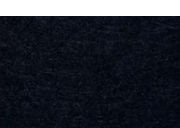
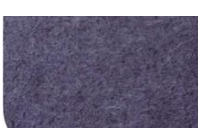
4 wires

per raft, any size

Colours.

[ORDER A SAMPLE PACK →](#)

All 48 colours in 12mm. The 20 marked ● are also made in 24mm, and are the colours for Rectangle and Oval.

					
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 ceilings bounce sound back into a room. Felt soaks some of it up instead. A raft hangs free, so its back face and edges are open to the room as well as its face.

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. For a 24mm raft hung below a ceiling, the 400mm air gap result is the closest lab mounting. The 12mm figures were measured flat against a rigid backing, so treat them as a figure for the felt, not for a hanging raft.

Ceiling rafts improve how a room sounds. They do not block sound passing through a ceiling or wall.

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.

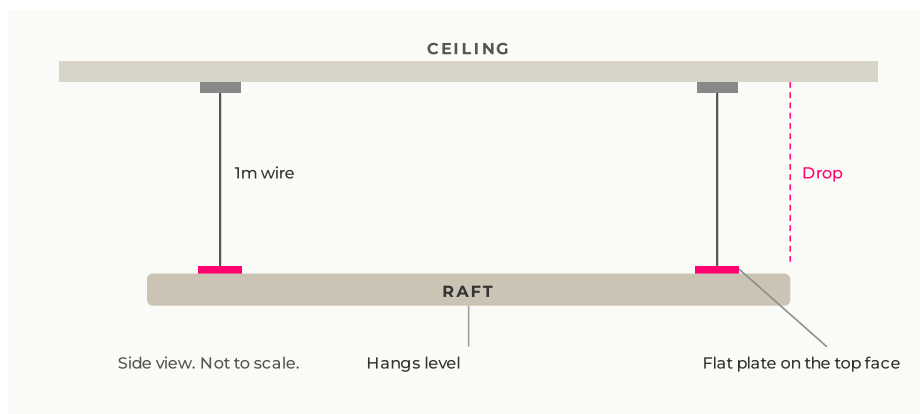
10 years

Guarantee on every raft.

Installation.

Four wires hold each raft level below the ceiling.

- 1 **Check your ceiling first.** Hanging depends on the ceiling, and ceiling fixings change with the ceiling type. We confirm your ceiling type and the hanging method with you before your order is made.
- 2 **Plan the drop.** Wires are 1 metre long. Allow for the drop you want below the ceiling, and plan where each raft sits over the room.
- 3 **Fix four ceiling points.** Fix the four ceiling points above where the raft will hang. Four wires hold each raft level, whatever the size.
- 4 **Fit the plates.** Screw a flat plate into the top face of the raft under each wire. Nothing shows from the floor.
- 5 **Hang it level.** Hang the raft and adjust it until it sits level. Rafts can hang alone or in groups.



A hanging wire and its flat plate.

In the box. Two pairs of 1m hanging wires with every raft, four wires in all. Each wire fixes to a flat plate that screws into the top face of the raft. Extra pairs are [sold separately](#) →

DATA SHEETS AND GUIDES

[12mm ceiling raft: Data sheet](#) →

[Rafts, baffles and clouds explained](#) →

[24mm ceiling raft: Data sheet](#) →

[Extra hanging wires](#) →

CARE

Care.

Light vacuuming keeps dust from building up, and also lifts the surface texture if it flattens. Use a soft brush or a vacuum on low with a brush head. 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, and keep rafts clear of direct heat sources.

Always test a method on a hidden area first. For specific stains, follow the treatment chart in our Care & Maintenance guide.

FAQ

FAQ.

Are ceiling rafts soundproofing?

No. They improve how a room sounds by soaking up echo. They do not stop sound passing between rooms.

How low can a raft hang?

Wires are 1 metre long, so allow for the drop you want below the ceiling when you plan.

12mm or 24mm?

12mm comes in 48 colours, in square, round and hexagon. 24mm comes in 20 colours and adds the 2400mm Rectangle and Oval.

What comes in the box?

Two pairs of 1m hanging wires, four in all, each with a flat plate that screws into the top face of the raft.

Can I mix shapes and colours?

Yes. Each raft is one colour, so mix rafts to build a pattern across a ceiling.

Can I see the colours first?

Yes. [Order a sample pack →](#)