



INT&RIOR SYSTEMS

Guiding Design • Informed Interiors

FOCUS POLYESTER



focus
ACOUSTIC PANELS

Focus is an innovative acoustic panel with a sleek polyester texture. The sheets have been acoustically tested for sound absorption and perform very well with an airgap behind. The panel is a baseboard for a large variety of innovative and acoustically absorbent products.

- Focus panels come in a range of solid colours.
- Standard panels are 9mm thick and are also available in 18mm as a laminated panel.
- Applications include panels for walls and ceilings, workstation panel construction, suspended cloud panels and other decorative features.
- Easy to suspend or direct fix.
- The surface is receptive to staples for education and office applications.
- Focus Panels have been tested and meet Cleanroom ISO Class 3 requirements. They can therefore be used in medical applications.
- Polyester has inherent qualities ideally suited to high humidity environments. Focus panels will not absorb moisture nor allow the development of mould, mildew or rot and are therefore ideally suited to swimming pools, gyms and aquatic centres.

Focus panels are a high quality baseboard and thus can be manufactured to bespoke designs to suit architectural requirements.

- Focus panels can be cut with a range of cutting processes: options include circles, ovals, clouds, hexagons, grooved panels, decorative trellis panels and other complex shapes.
- Focus Panels be folded into 3D geometries.
- Focus Panels be printed with corporate logos or images, and etched or cut for branding and bespoke options.



INT&RIOR SYSTEMS

Guiding Design • Informed Interiors

LIMITLESS CREATIVITY



MAKE A STATEMENT

TESTING



TEST DESCRIPTION	RESULT	TEST METHOD
Sound Absorption (9mm)	0.30 NRC with no airgap *	ISO 354:2003
	0.60 NRC with 38/45mm airgap *	ASTM C423 - 99
	0.85 NRC with 200mm airgap *	ISO 354:2003
Sound Absorption (12mm)	0.40 NRC with no airgap *	ISO 354:2003
Sound Absorption (18mm)	0.90 NRC with 38/45mm airgap *	ISO 354:2003
Sound Absorption (24mm)	0.65 NRC with no airgap *	ISO 354:2003
Fire Test - ISO 9705	Group 1- S	ISO 9705
Cleanroom Suitability	ISO Class 3	ISO 14644.3:2015
Abrasion - Taber Type Test	Rating 6 (1000 Cycles)	GMW 3208-2007
Density	210kg/m ³	
Composition	100% Polyester Fibre (PET). 60% recycled content	
Weight	9mm: 1.9 kg/m ² 18mm: 3.8 kg/m ²	
R-Value (m ² k/w)	9mm: R0.2	

- SIZE**

Comes in various sizes but standard blanks are 1220 x 2440mm
Job specific cuts available

- COLOUR**

Available in a range of colour finishes (see page over)



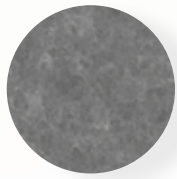
Ebony



Shadow



Slate



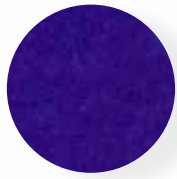
Granite



Concrete Marble



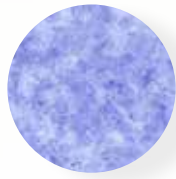
Ash



Blue Ink



Dusk



Arctic



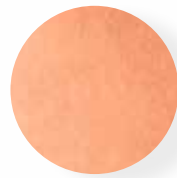
Purple Rain



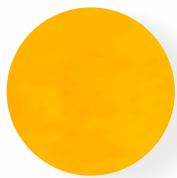
Ruby



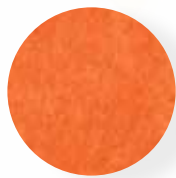
Watermelon



Piglet



Sunny



Carrot



Spring



Puriri



Apple



Peacock



Fawn



Sesame



Sand



Snow

**60%
RECYCLED
CONTENT**

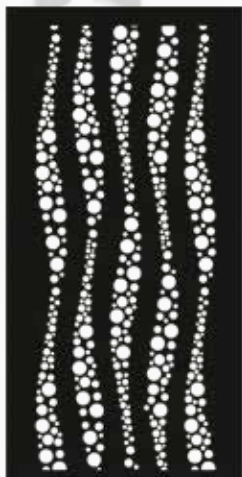


As this is a blended product, slight colour variation may occur.
Confirm colours with a physical sample.

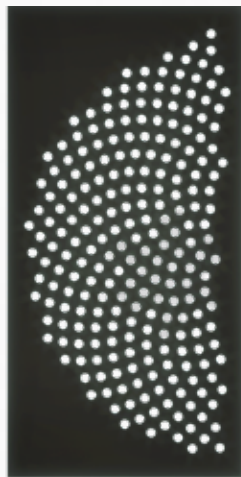


COLOURS

TRELLIS PANELS



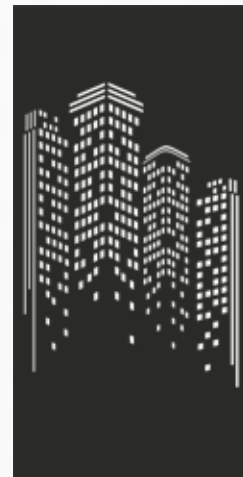
SODA



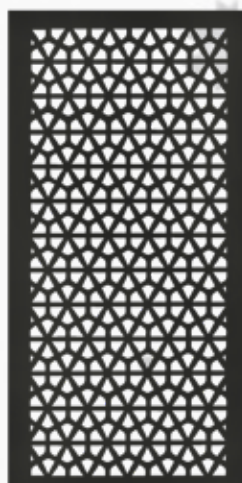
SUNFLOWER



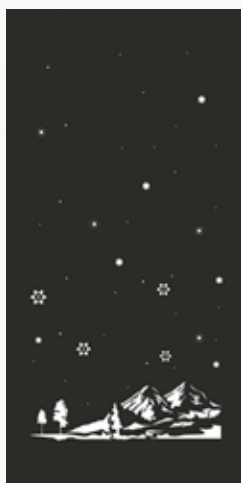
AUTUMN



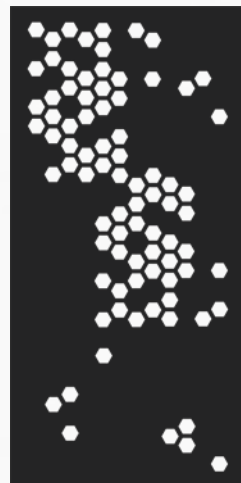
SLEEPLESS



FLEUR



MOUNTAINS



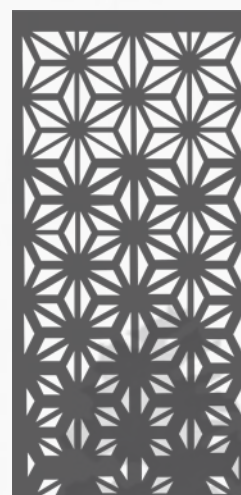
HIVE



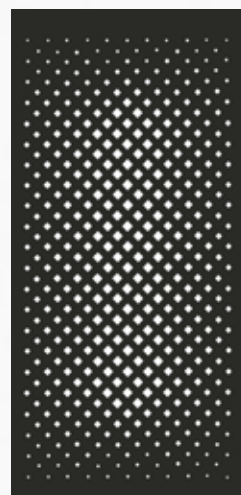
KOI



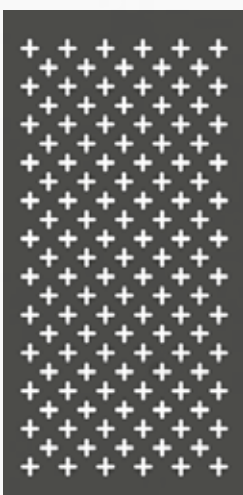
FERN



FADE



MERCURY



STITCH

- Striking acoustic solution suitable for lobbies, atria, cafes, restaurants, offices and other commercial interiors.
- Ideal to use as a retrofit solution to reduce reverberation time and create a visual barrier in most commercial spaces.
- Can be suspended from the ceiling or direct fixed to a wall.
- Standard elegant designs and bespoke options available.



Panels Size: 1220 x 2440mm

**Other Patterns available.
Contact T&R for more details.**

HEXAGON PANELS

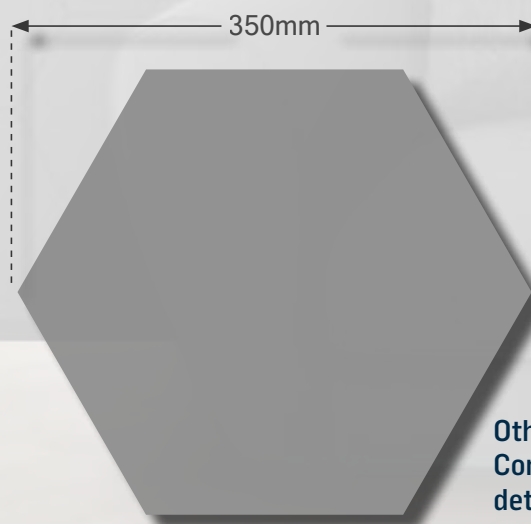
Hexagon panels are knife-cut. This is an excellent retrofit solution for boardrooms, classrooms and smaller spaces.

Generally sold in groups to create a fun and flexible wall pattern. The more panels are used, the better the acoustic absorption performance.

Bespoke shapes to suit project requirements are available.

Installation

- For wall fittings, use 2-3 60mm pieces of UHB (Ultra High Bond) double sided sticky tape.
- Use a spirit level for the tops.



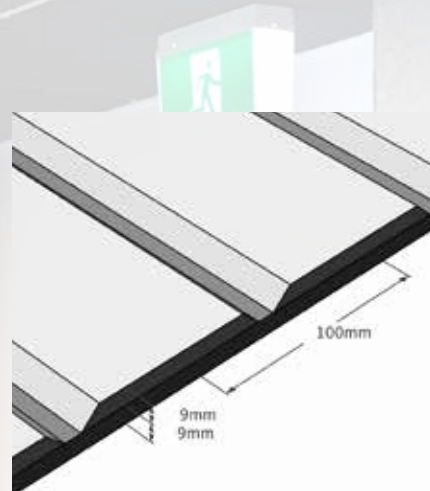
Other Patterns available.
Contact T&R for more
details.



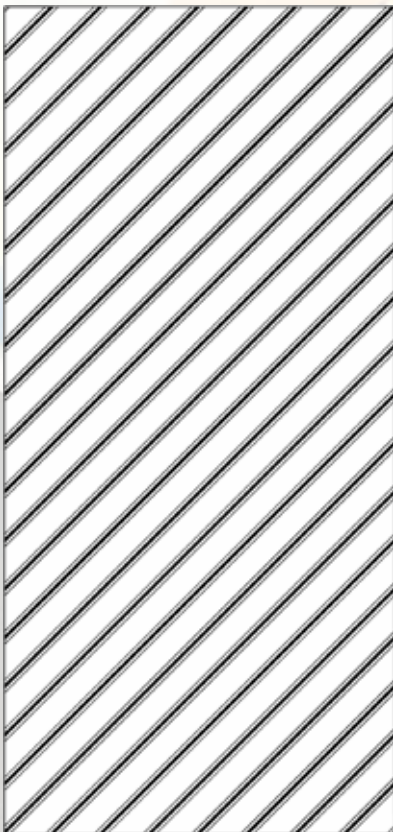
YOUR DESIGN
YOUR VISION

GROOVED PANELS

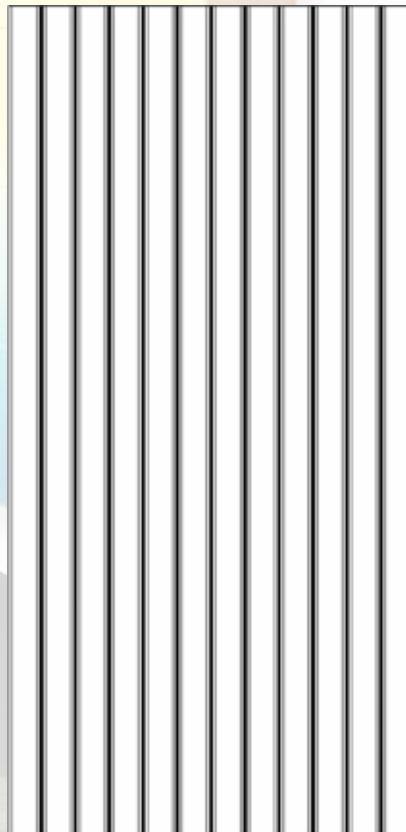
18mm Grooved panels are a laminated composite panel where the front board is cut at two 45° angles to reveal the colour of the back board below, creating a striking pattern.



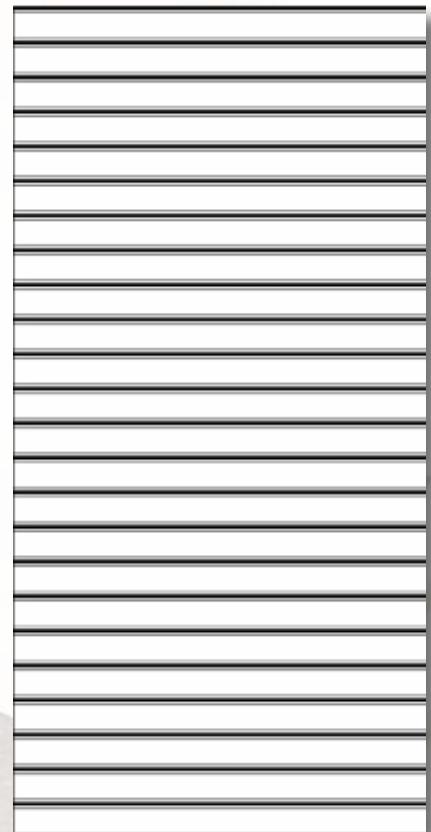
Grooved Panels: nominal 1220 x 2440mm



DIAGONAL



VERTICAL



HORIZONTAL



SOPHISTICATED,
STRIKING



ENGAGING

INTERIORS

FOCUS PANELS

PANEL INSTALLATION

YOU WILL NEED



TIMBER BATTENS

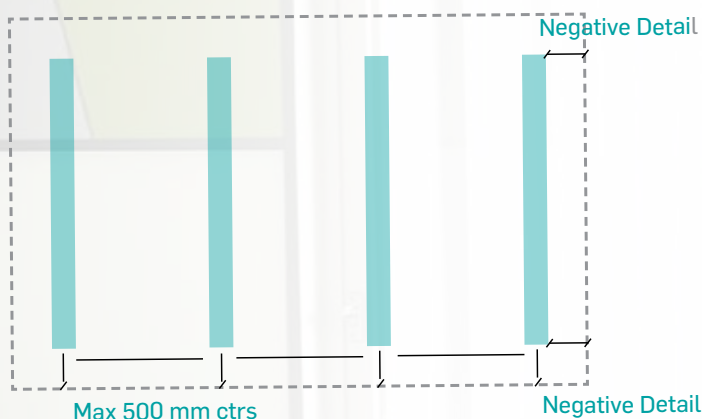


PANEL PIN



GLUE

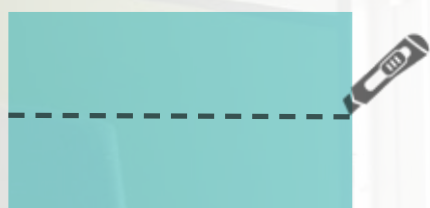
step 1



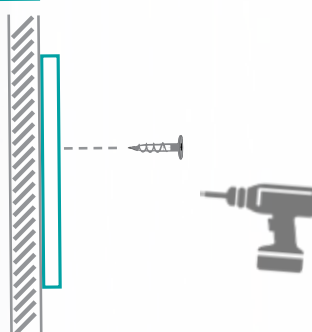
step 1

Plan panel layout on wall. The panel can be direct fixed or mounted onto timber battens (at a max of 500mm ctrs). An airgap will ensure better acoustic absorption. Where battens are fixed onto a wall lining, they should be slightly shorter than the panel to create negative detail around edge. If required, paint battens black or same colour as wall.

step 2



step 3



step 2

If Focus Panels need to be cut on site, they can be cut with sharp knife and aluminium straight edge.

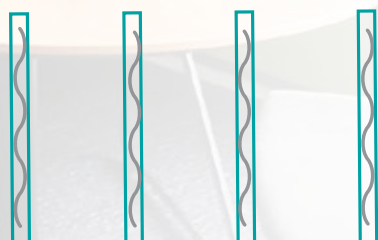
step 3

If applicable, fix battens to existing wall. Use appropriate fixing methods.

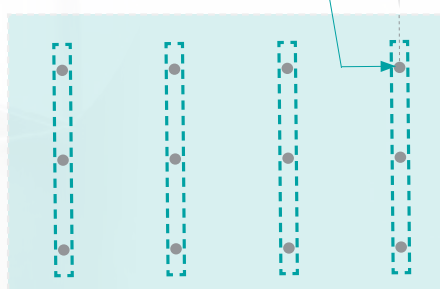
step 4

Put glue on batten if battens are used, otherwise for direct fix, roll out glue on the back of panel. Use acrylic liquid nails such as Fastgrab or similar. For best results, put a thin layer of product on the panel and wall surface and allow to dry before applying a second coat.

step 4



step 5



step 5

Press Focus panel to batten or wall and fix with panel pins (along the battens if applicable) to ensure good adhesion. These panel pins will be mostly invisible.

- Striking acoustic solution suitable for lobbies, atria, cafes, restaurants, offices, boardrooms, classrooms and other commercial interiors.
- Ideal to use as a retrofit solution to reduce reverberation time in most commercial and education spaces.
- Direct fix to ceilings and walls or suspend in two way exposed ceiling grid.
- Elegant and contemporary designs to add interest to most interior spaces.

NRC HIGH
CAC LOW

TEST DESCRIPTION

RESULT

TEST METHOD

Direct Fix Ceiling Panel

0.60 NRC with no airgap

ASTM C423 - 99

Suspended Ceiling Panel

0.80 NRC with 400mm airgap

ASTM C423 - 99

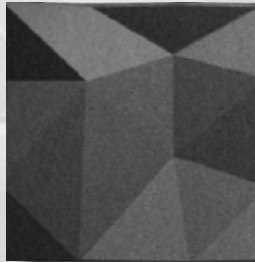
All other specifications are identical to the Focus panel

Tested October 2018

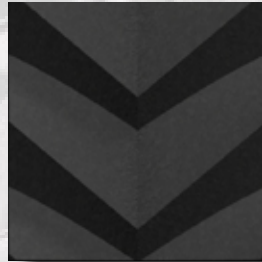


FOCUS 3D

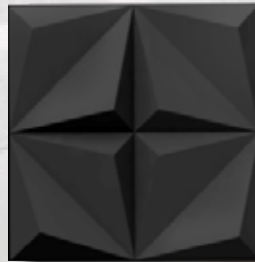
Direct Fix Wall & Ceiling Tiles - 500 x 500mm



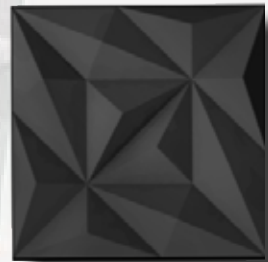
FRACTILE



CHEVRON



SIREN



SPECTRUM



SWISH



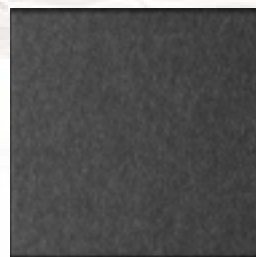
ATLAS



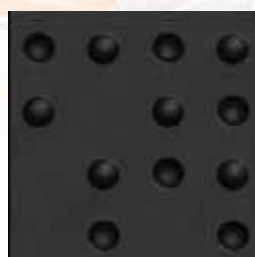
PIVOT



GEMINI



FLAT

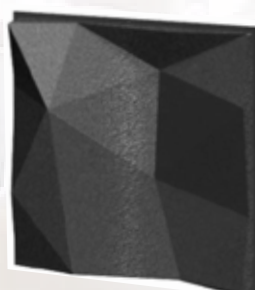


DIMPLE

Ceiling Tiles & Grid - 600 x 600mm



CHEVRON



FRACTILE

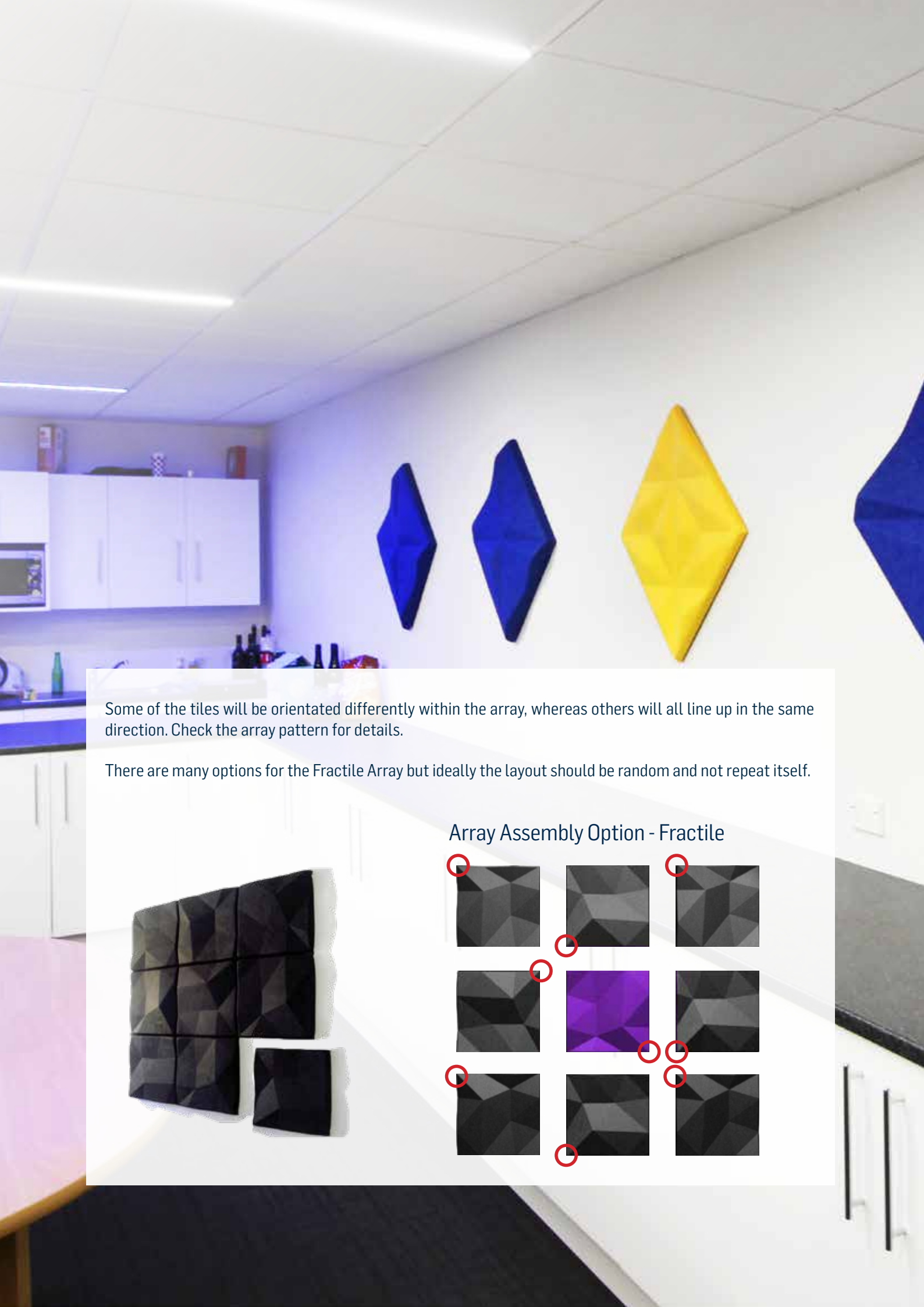


FLAT



SPECTRUM



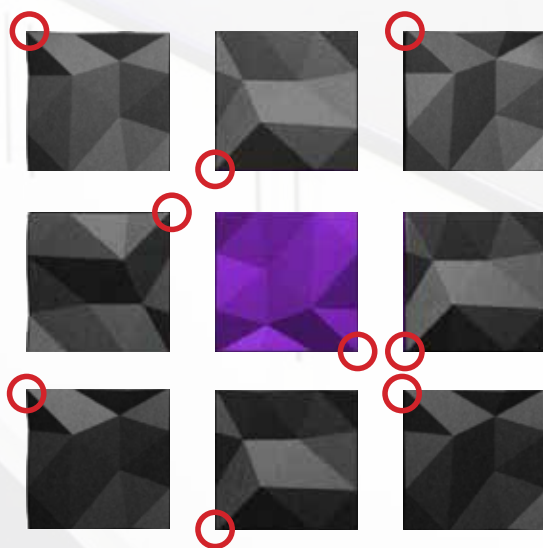


Some of the tiles will be orientated differently within the array, whereas others will all line up in the same direction. Check the array pattern for details.

There are many options for the Fractile Array but ideally the layout should be random and not repeat itself.



Array Assembly Option - Fractile



3D ARRAYS

Direct Fix Wall & Ceiling Tiles - 500 x 500mm



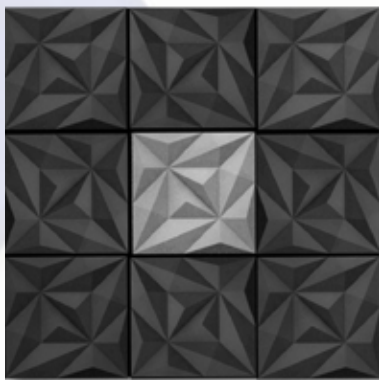
SIREN



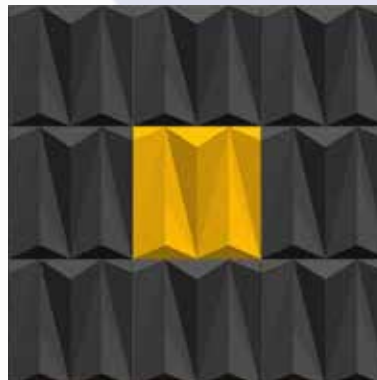
PIVOT



GEMINI



SPECTRUM

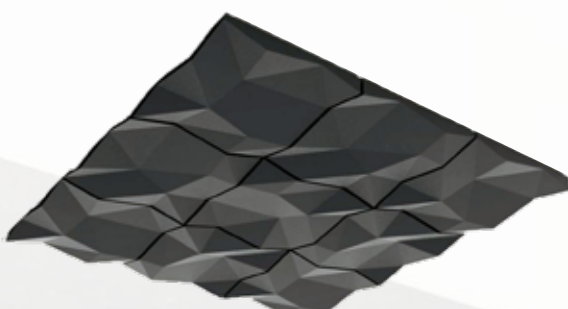


SWISH

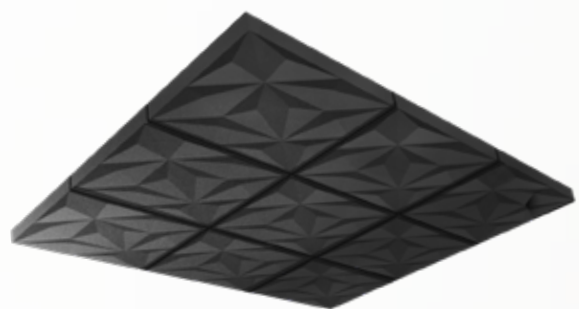


ATLAS

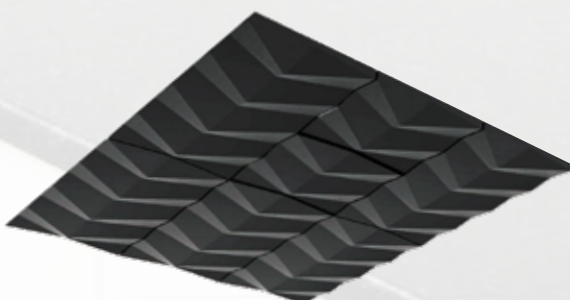
Ceiling Tiles & Grid - 600 x 600mm



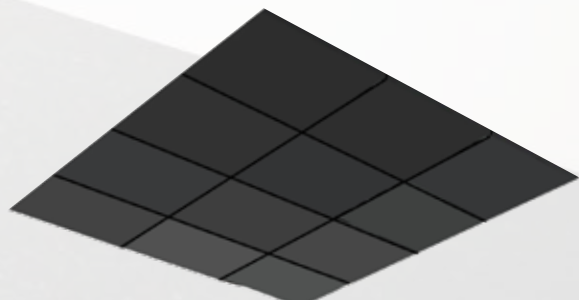
FRACTILE



SPECTRUM



CHEVRON

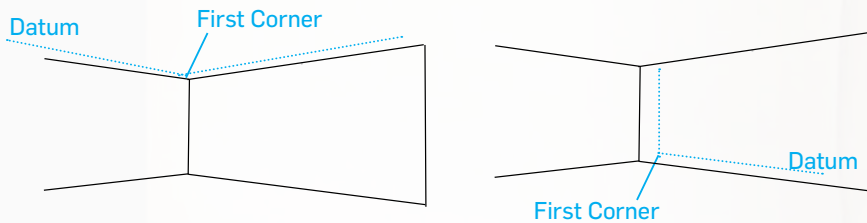


FLAT

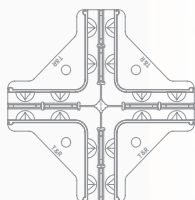
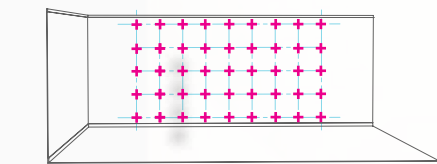
FOCUS 3D

DIRECT FIX PANEL INSTALLATION

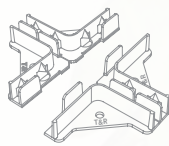
step 1



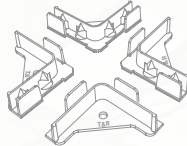
step 2



Tile Junctions



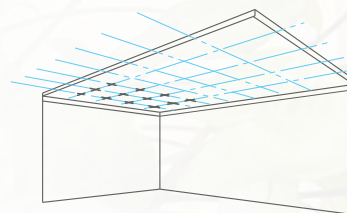
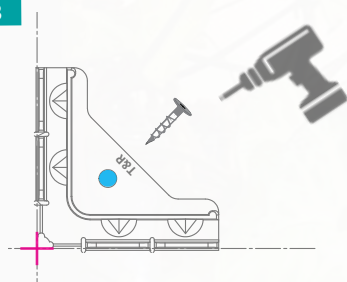
Edges



Corners



step 3



step 4



step 1

Direct Fix Focus 3D Acoustic Tiles are 500x500mm. Mark out the ceiling or wall space where the tiles will be mounted as an area divisible by 500mm. It helps to designate one level line as the datum.

step 2

Work your way along the ceiling or wall. Set out the tile junctions at 500mm centres (never use the tiles to measure spacing).

For every junction of 4 tiles designate a focus clip.

For all edges, break one Focus clip in half.

For the four corners break one Focus clip into quarters.

step 3

Using fixings suitable for your substrate, fix the first corner clip in place (always use a mechanical means of fixing). Use one fixing for every segment, i.e. four fixings for tile junctions, two for edges and one for corners.

step 4

Pop the Focus 3D tiles into the clip grooves one at a time. They should fit snugly, but can be removed if necessary. Check direction of tiles as they are being installed.

For Direct Fix ceiling application, apply glue to the clip prior to popping the tiles in.

Put up all the tiles to finish.

SIMPLE,
EFFECTIVE



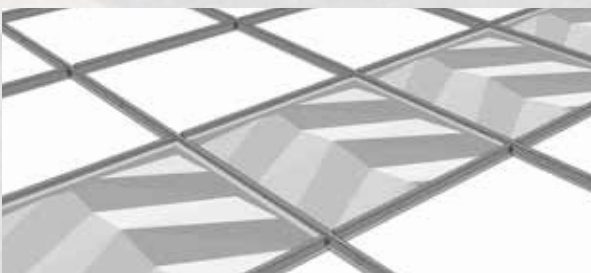
FOCUS 3D

SUSPENDED CEILING INSTALLATION

step 1



step 2



step 1

Focus 3D Acoustic Suspended Ceiling Tiles are 600x600mm. Construct a two-way exposed suspended ceiling grid in 600x600mm modules as per manufacturers instructions.

step 2

Insert Focus 3D tiles into the grid. Check the tile orientation. Install one line at a time.

step 3

Clip tiles with hold-down clips once the row is installed. Place one clip wherever two tiles meet.

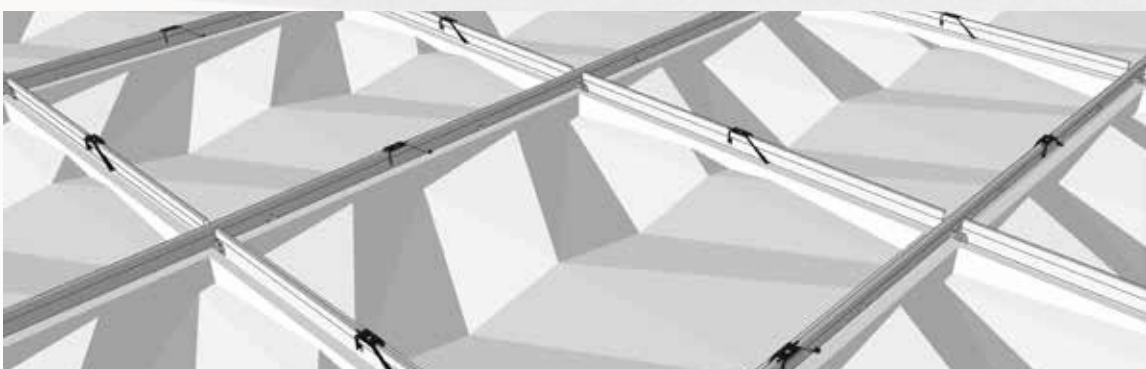
step 4

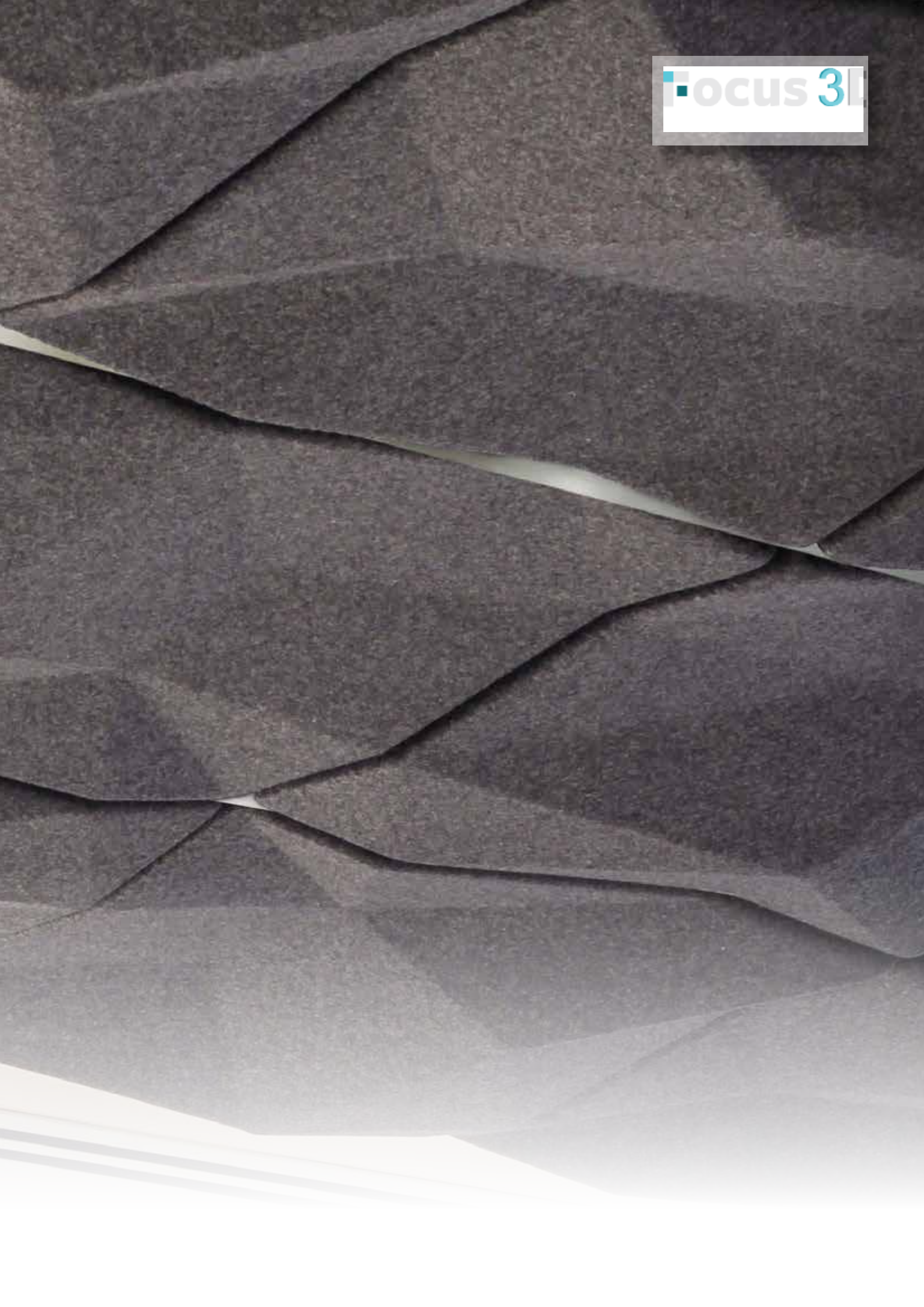
Install the rest of the tiles in the same way to finish.

step 3



step 4



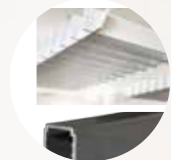


FOCUS BAFFLE

The Focus Baffle is a design-friendly, elegant linear ceiling, made up of polyester profiles. Focus polyester baffle sheets have been acoustically tested for sound absorption performance and perform very well.

Appropriate for high-end airports, malls, offices, hotel foyers, museums and commercial areas. The baffle profiles can be cut in many forms to match the feel and aesthetic of the interior. The baffles are aesthetically pleasing and easy to maintain. Unlike timber, the baffle won't warp.

- Available in variable drops. Offers excellent design potential.
- Unique and client specific in its suspension system options. Can be direct fixed or suspended with airgap.
- Comes in length of 2.44 metres. It can be cut down to size on site.
- We do not recommend joining baffles. A negative detail between lengths is recommended for a clean look.



TEST DESCRIPTION	RESULT	TEST METHOD
Noise Reduction Coefficient	NRC 0.9 (Varies depending on configuration)	ISO 9705
Density	210kg/m ³	
Weight of fabric	18mm: 4.5kg/m ²	
Fire Test - ISO 5660 Parts 1&2	Group 1-S	Cone Calorimeter

- **SIZE**

18mm with with variable drops available.

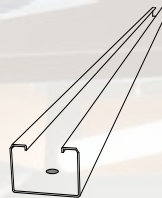
YOU WILL NEED



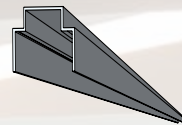
FIXING



FOCUS
BAFFLE

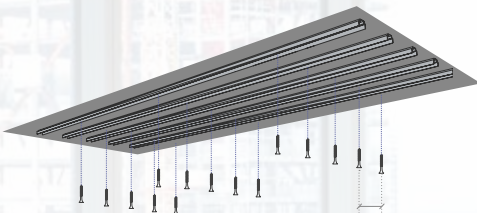


CARRIER RAIL

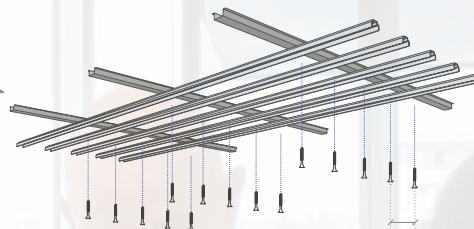


ALUMINIUM EXTRUSION

step 1 option 1



step 1 option 2



Make sure ceiling substrate is true and level.

step 1 option 1 Direct Fix

For direct fixing system - fix aluminium extrusion with screws into specified ceiling position.

option 2 Suspended

For suspended system - position the aluminium extrusion to carrier rail at specified distance. Attach aluminium extrusion to carrier rail by screwing at 1200 centres.

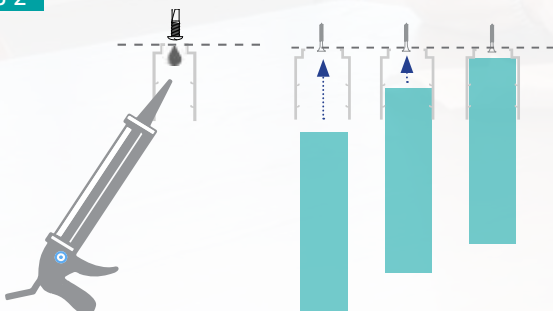
Repeat with all aluminium extrusions.

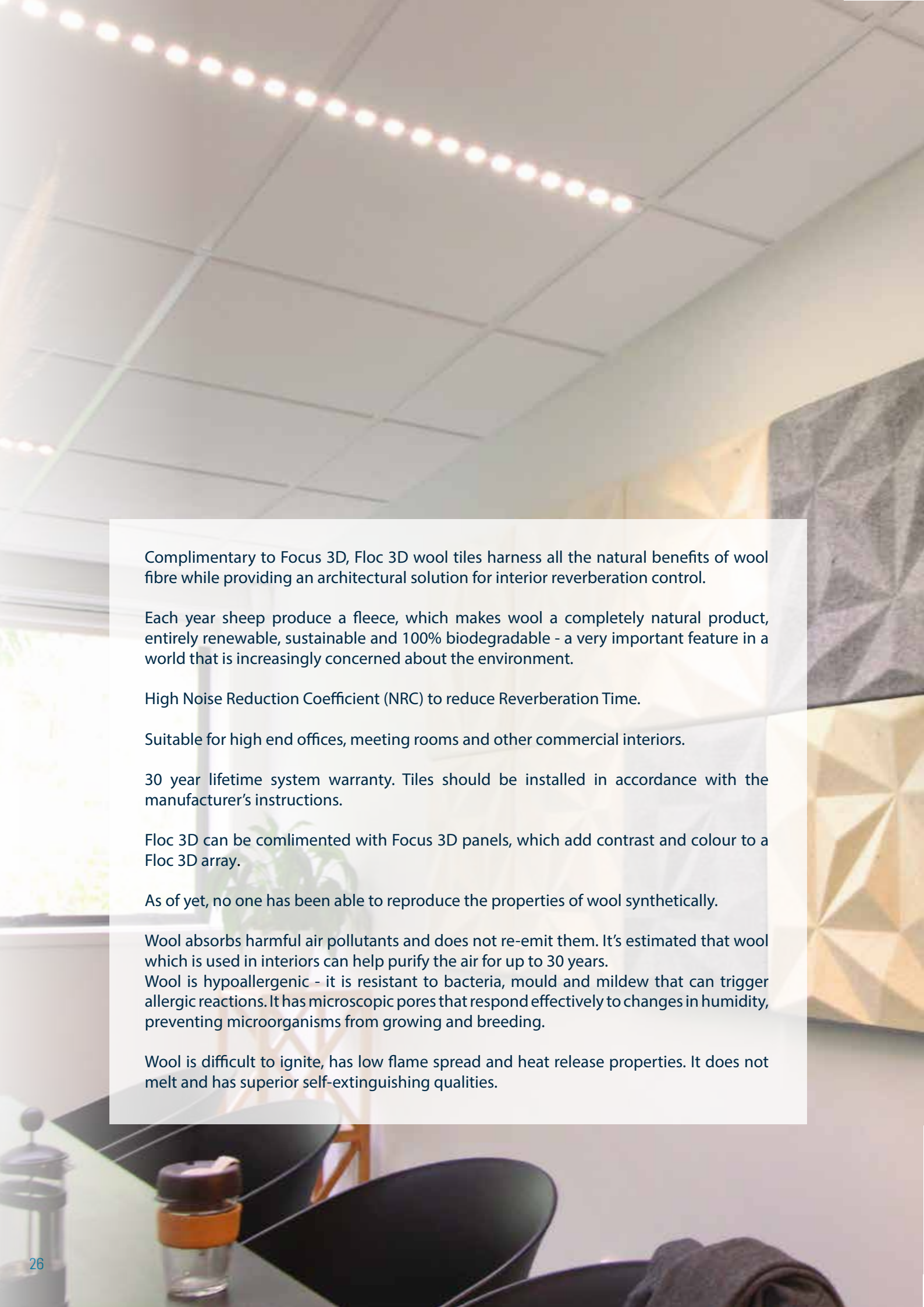
step 2

Add glue to the aluminium extrusion. Use adhesive - non-solvent based Nailbond glue (or similar) for stronger hold. Slide the Focus baffles into the aluminium extrusion.

Repeat for all baffles.

step 2





Complimentary to Focus 3D, Floc 3D wool tiles harness all the natural benefits of wool fibre while providing an architectural solution for interior reverberation control.

Each year sheep produce a fleece, which makes wool a completely natural product, entirely renewable, sustainable and 100% biodegradable - a very important feature in a world that is increasingly concerned about the environment.

High Noise Reduction Coefficient (NRC) to reduce Reverberation Time.

Suitable for high end offices, meeting rooms and other commercial interiors.

30 year lifetime system warranty. Tiles should be installed in accordance with the manufacturer's instructions.

Floc 3D can be complimented with Focus 3D panels, which add contrast and colour to a Floc 3D array.

As of yet, no one has been able to reproduce the properties of wool synthetically.

Wool absorbs harmful air pollutants and does not re-emit them. It's estimated that wool which is used in interiors can help purify the air for up to 30 years.

Wool is hypoallergenic - it is resistant to bacteria, mould and mildew that can trigger allergic reactions. It has microscopic pores that respond effectively to changes in humidity, preventing microorganisms from growing and breeding.

Wool is difficult to ignite, has low flame spread and heat release properties. It does not melt and has superior self-extinguishing qualities.





Wellington Head Office
12 Glover St, Ngauranga
Wellington 6035
PO Box 38533
Wellington Mail Centre 5045
/t/ 04 499 5915

www.tris.co.nz

Auckland
19 - 21 Fairfax Ave,
Penrose, Auckland 1061
PO Box 112360,
Penrose, Auckland 1642
/t/ 09 571 0395

www.focus3d.co.nz

floc.co.nz

Christchurch
69 Disraeli St, Addington
Christchurch 8023
PO Box 7197
Christchurch 8240
/t/ 03 366 2507

info@tris.co.nz