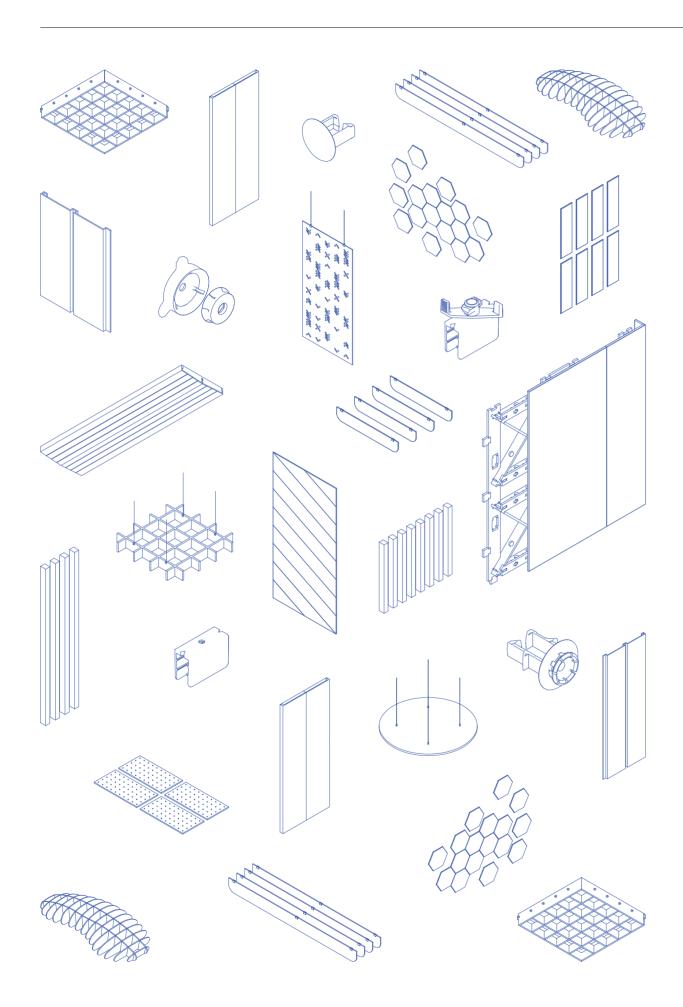
Acoustic Solutions

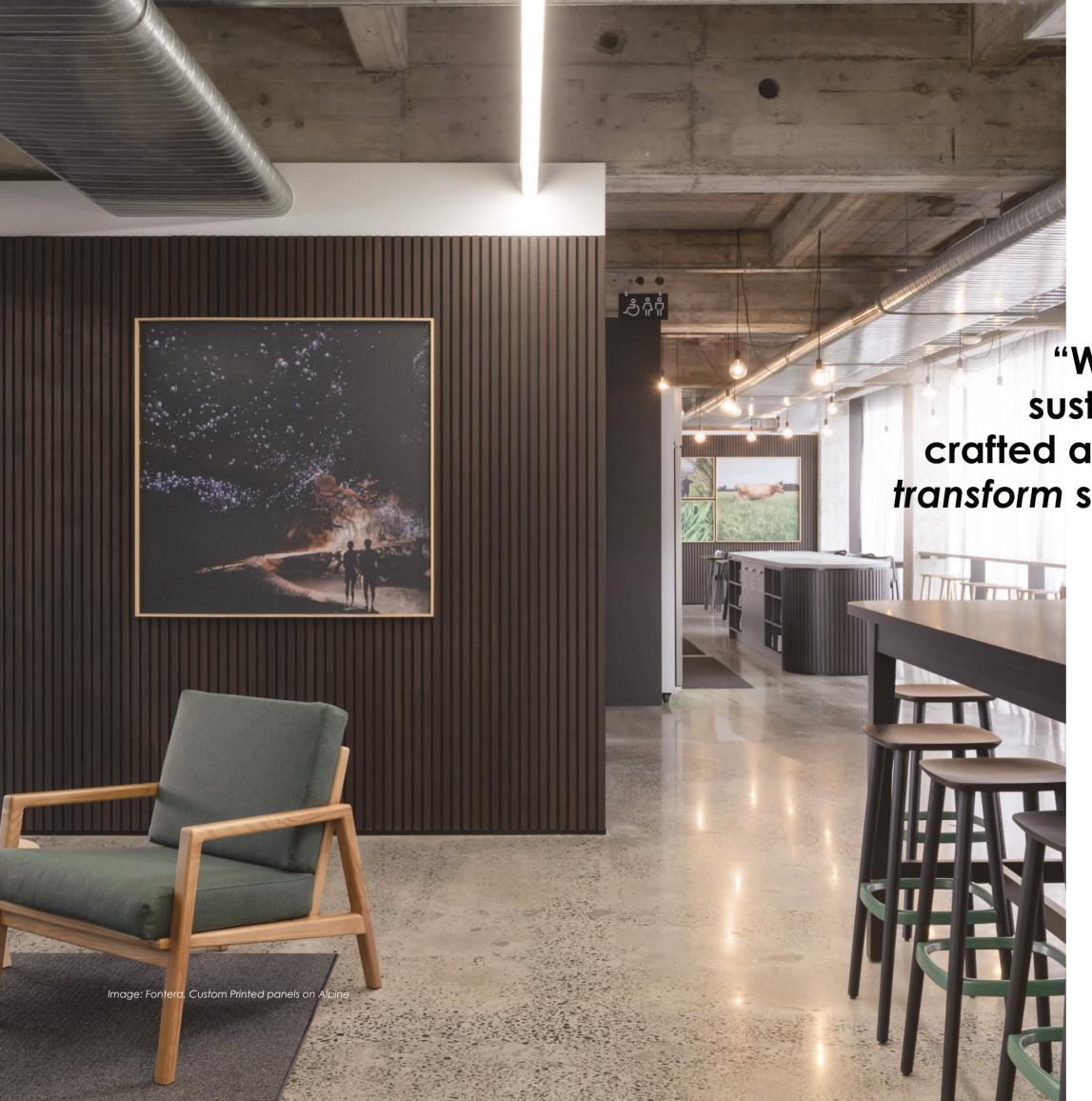






Whats inside

001	Who we are
003	What we do
005	Acoustic innovation
007	Application
009	Colourway
011	Products
039	Contact





"We design innovative, sustainable & beautifully crafted acoustic solutions that transform spaces where people live, work and play"

At dbsorb, we are a passionate team of engineers, designers, and creatives dedicated to crafting exceptional sound experiences. We believe in a few non-negotiables: great coffee, outstanding acoustic performance, aesthetics, and design.

From the beginning, our mission has been to enhance how people experience sound and space. We focus on sustainability by using recycled materials, glue-free installation systems, and thoughtful design. Our innovative approach constantly reimagines acoustic panels, partitions, and surface treatments to meet the demands of modern life whether at work, home, school, or play.

We understand that spaces designed with acoustic comfort in mind support well-being, productivity, and ambiance. Enjoy our latest product catalog, and don't hesitate to reach out with your next acoustic challenge.

We design, engineer & manufacture end to end acoustic solutions

for the Trans-Tasman market

Our in-house design studio team works closely with architects and designers to craft solutions that are functional, beautiful, and sustainable enhancing everyday environments for comfort, clarity, and connection.



We offer a standard product range designed to suit a wide variety of interior spaces.

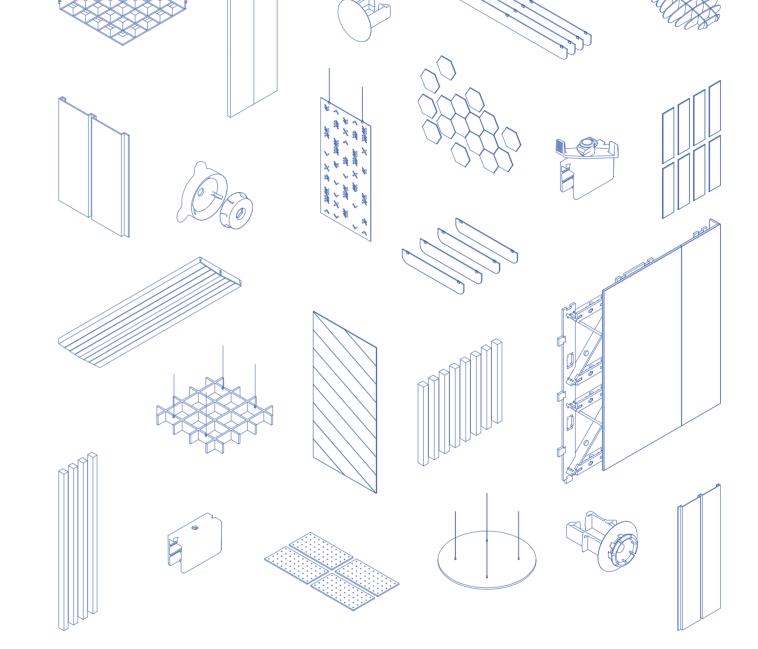


Custom design

If you require custom design or help through the process of specification, you can speak directly with our team.



sales@dbsorb.com



We're hear to help

With experience across projects big and small, we know how to get it right. Whether you need visualisations, prototypes, or print samples, we've got you sorted - every step of the way.



Final product

We have Install guides to help DIY'ers or Installers to bring the final product to life.



Sustainable Acoustic Innovation

Specification

Crafted from 100% polyester fibre with 60% recycled content, dbsorb's acoustic solutions combine sustainability with high

performance. Engineered for acoustic clarity, our panels minimise echo and reverberation, resulting in a clearer and more focused space.

VOC Free Mounting Systems



X-Clip™

Demountable perpendicular mounting

Australian Des. Reg. No. 202416269



ReadyClip™

Glue-free system of install to walls and ceilings. Removable, reusable, and fully recyclable.

Patent-pending (PCT/NZ2023/050003).



$\textbf{FrameLock}^{\text{\tiny{TM}}}$

Demountable and structural proprietary fastening system.



FinLock+TCR Clip™

Innovative mounting system for suspended ceiling elements to utilise standard ceiling systems.



FinLock™

Glue-free mounting system of fins and baffles, eliminating use of highenergy aluminium.

Patent-pending (PCT/NZ2023/050044).



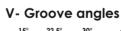
FinLock™ + Suspension wire

Glue-free mounting system of suspended baffles and screens



Density

24mm: 3600 gsm 12mm: 2400 gsm



___ _ Standard Thickness 12mm, 24mm

Standard Sheet Size 1200 x 2400



Max sheet size: 1200 x 2800



Environmental

Global Recycled Standard (GRS) 4.0 OEKO-TEX® Confidence In Textiles – STANDARD 100. Tested for harmful substances. Annex 6" Low VOC



Composition

100% PET (up to 60% recycled content)



Fire rating

12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0



Manufactured in NZ

Non-Toxic, Non irritant Glue Free, Low VOC



Antibacterial



₩ No loose fibres



Solutions by Application

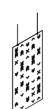








- Early Child Care
- Living Rooms
- Meeting Rooms
- Video Conferencing Rooms
- Office Pods





Hanging Screen

- Dividing Space
- Open Plan Offices • Breakout zones





dbBaffle

• Cafes / Restaurants

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 $(\mathbf{w}(\mathbf{c})$

Concealing plenum





Groove

- Early Child Care
- Living Rooms
- Meeting Rooms
- Video Conferencing Rooms
- Office Pods





QuietKit

• Large empty wall / ceiling

NRC 01.0 (W(C)

- Modular System
- Conference Rooms
- Behind TV / Monitors



dbBatten

- Cafes / Restaurants
- Residential

NRC 1.0*

- Show rooms
- Office space



dbSilent Panel

• Open Plan Offices

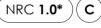


NRC 0.65 (C)

dbCeiling Tiles • Suspended grid

- ceiling system • Open plan office
- Retail space
- Classrooms





Cloud

• High Ceilings





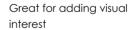
Vista

- High Ceilings
- Schools
- Cafes
- Early Childhood



NRC 0.4* (W C

- dbTiles
- Early Child Care • Home Office









Matrix

Concealing plenum

(NRC 1.0*)(C)





dbGrid

- Suspended grid ceiling system
- Corporate Interiors
- Showrooms
- Retail space



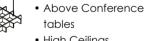


dbFin

NRC 0.85) (W C

- Cafes / Restaurants • Office spaces
- Residential
- Schools









Our range of Timber prints have 3 base colours. When pairing Timber and groove, the base panel will be exposed.

Dopra Base Panel



Lopra Base Panel







Cuban 431

Cuban 411

Alpine Base Panel







Pine 513

Colourways





Custom Prints

For custom prints and colour matching services, please contact our sales team directly at sales@dbsorb.com

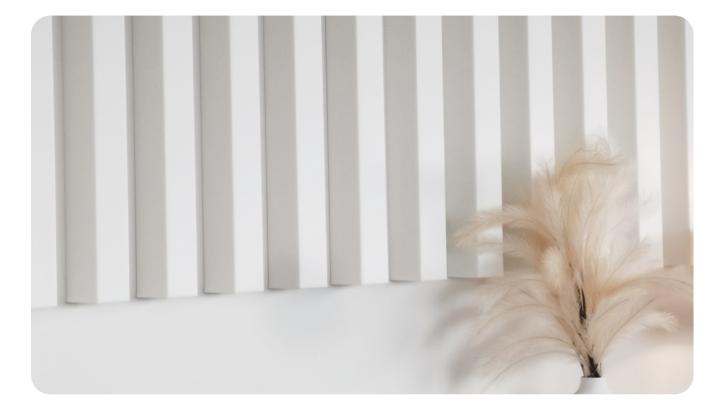
dbBatten











Product overview

The dbBatten™ range is a modular system harmonising high acoustic function with modern aesthetic.

Designed to be installed directly to both ceiling and wall via our patent-pending, gluefree and ReadyClip™ install system.

dbBatten™ can be direct-fixed or rafted and suspended, compatible with a range of ceiling systems.

Not only simple to install, dbBatten™ can be removed and re-purposed with minimal effort. Great reducing waste and improving the sustainability of interior finishes.

With in-house printing, we can customise with printed textures, wood-grains, or colour matching directly to the batten.

Benefits

Precise and Simple Installation Easily work around existing services, making use of available spaces Light-weight, reducing cost and complexity of ceiling design compared to timber and aluminium baffles

Beautiful & Functional – customised with a range of wood grains and textures, dbBatten elevates interiors both aesthetically and functionally.

Applications





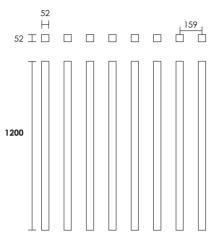
Conference Room

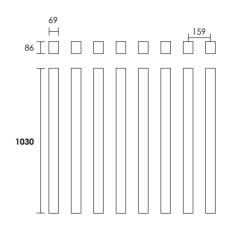


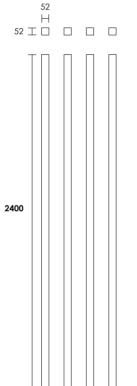
Showrooms & Foyers

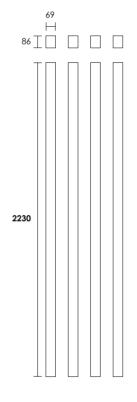


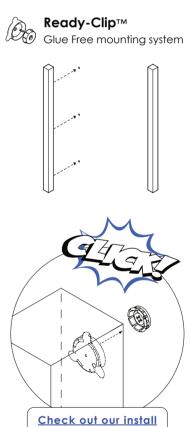
Cafes &









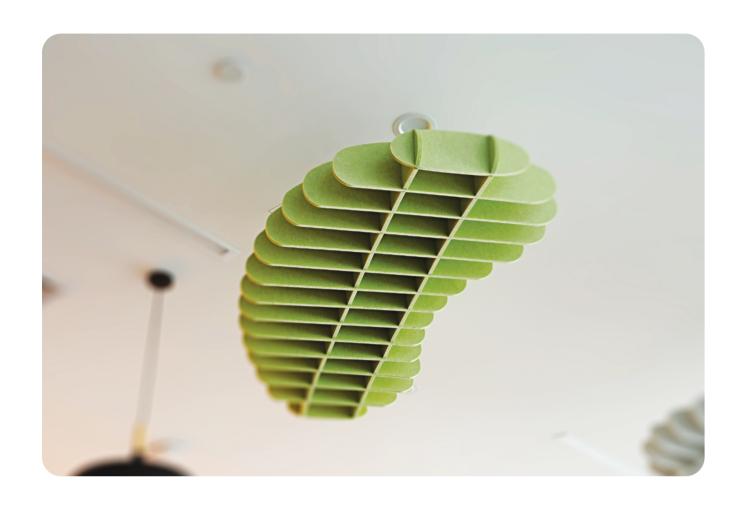












dbCloud™ suspended baffles are designed to effectively reduce reverberation over a broad range of frequency while creating more playful and engaging environments. Complimented in a range of colours, dbCloud™ is suited for a range of spaces, from office and commercial interiors, to educational spaces, early childhood centres and schools.

dbCloud™ requires minimal assembly on site and comes with adjustable suspension kit giving flexibility on placement and height in room.

Great to mask services above, as a cloud-like feature in open spaces, or to position over large desks and work spaces.

Applications



Conference Room



Showrooms & Foyers



Cafes & Restaurants

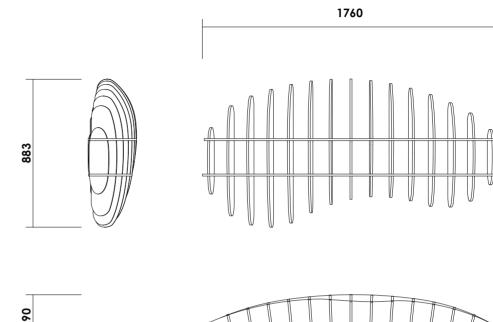


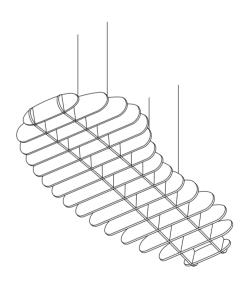
å † Offices



Early Childhood







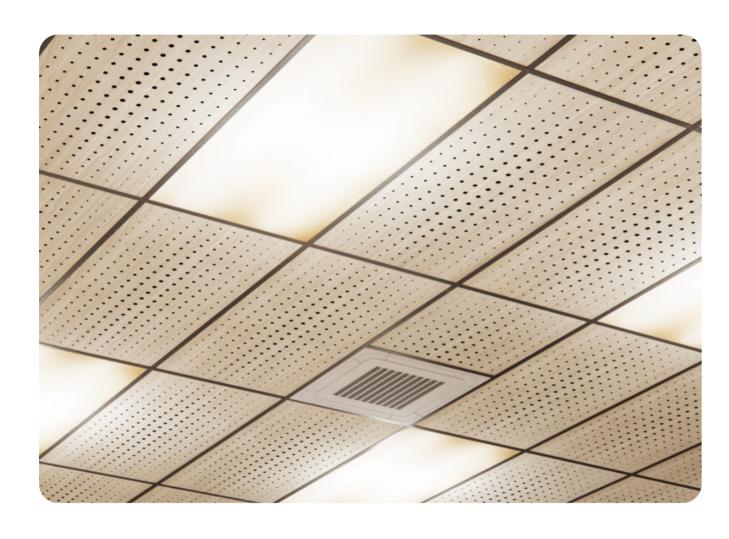












Our slot in dbCeiling Tiles™ are manufactured from Decosorb™ Acoustic Panels.

Decosorb™ is a light-weight but semi rigid acoustic panel made from 100% Polyester Fibre, specifically designed for functional acoustic clarity, reducing and controlling reverberated noise (echo) in interior spaces, with clean aesthetic.

Designed for standard suspended grid ceilings, dbCeiling Tiles™ pairs high in-room acoustic absorption with unmatched customisation possibilities.

Unlike standard mineral fibre, tile edges will not chip or fracture.

Applications



Conference Room



Showrooms & Foyers



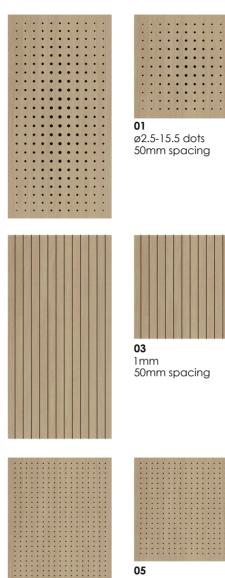
Cafes & Restaurants

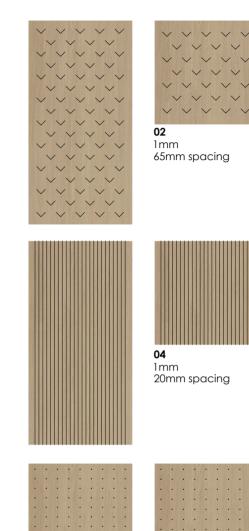


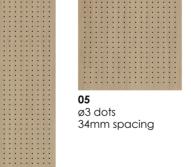


Schools













| | | Standard Thickness



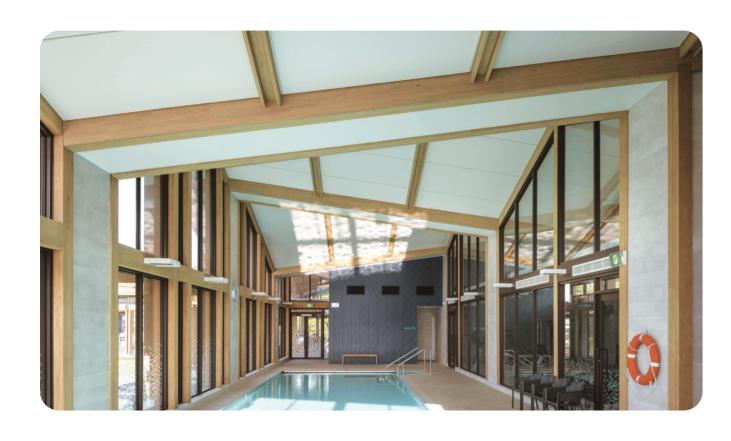












Product Overview

Decosorb™ is a light-weight but semi rigid acoustic panel made from 100% Polyester Fibre, specifically designed for functional acoustic clarity, reducing and controlling reverberated noise (echo) in interior spaces, with clean aesthetic.

Decosorb™ is incredibly versatile and highly durable. Available in a range of colour and thickness, it can be printed, grooved, folded, suspended, CNC profile cut, or simply clipped in place to either ceiling or wall, requiring no edging or capping. Decosorb™ truly offers designers a functional canvas for creativity.

Excellent acoustic performance Customisable Available with ReadyClip™ for glue-free installation.

Applications



Residential



Conference Room



Showrooms & Foyers



Cafes & Restaurants



Office Pods



å å de offices



Early Childhood



Schools



Home Office

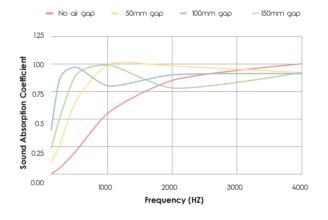


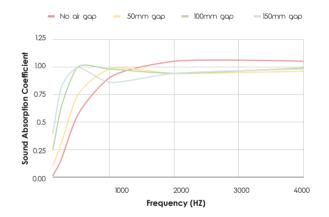
12mm | Acoustic Performance

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
No Air Gap	0	0.05	0.2	0.55	0.85	1	0.4
50mm gap	0.1	0.25	0.65	0.99	0.98	0.92	0.7
100mm gap	0.23	0.49	0.89	0.99	0.78	0.92	0.8
150mm gap	0.39	0.85	0.97	0.8	0.9	0.91	0.9

24mm | Acoustic Performance

Frequency (Hz)	125	250	500	1000	2000	4000	NRC	
No Air Gap	0.01	0.15	0.55	0.9	1.05	1.05	0.65	
50mm gap	1.0	0.29	0.73	0.98	0.94	0.96	0.75	
100mm gap	0.24	0.62	0.99	0.98	0.94	0.99	0.85	
150mm gap	0.39	0.8	0.99	0.86	0.94	0.98	0.9	





|| Standard Thickness 12mm, 24mm



Standard Sheet Size 1200 x 2400mm Max. 1200 x 2800



√ V- Groove angles







12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0

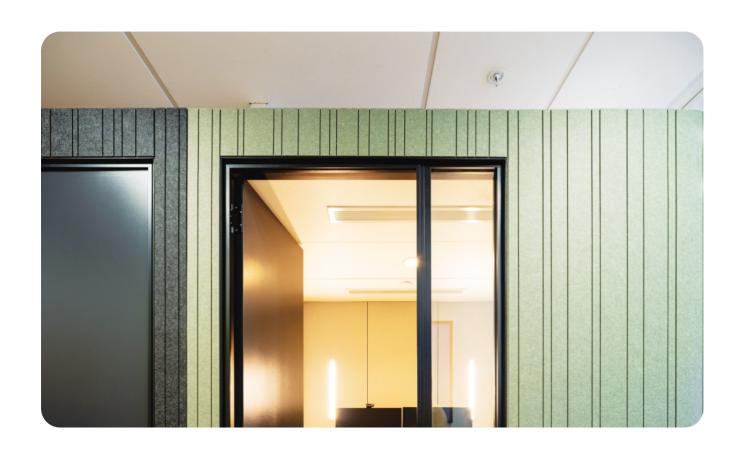
17 - dbsorb

18









dbGroove™ is a versatile customisation tool that uses intricate angular cuts to pattern our range of decorative acoustic panels. These precision cuts not only add depth and texture, but also skilfully manipulate and refract light, transforming interior spaces with a nuanced touch.

Speedy install with our ReadyClip™ glue-free install system.

Endless customisation options.

Add print for a contrasting groove reveal. Available in both our 12mm and 24mm Decosorb™ panels.

Bevelled edge for discreet panel joins. Solid colour with smooth finish.

dbGroove™ panels are lightweight and nonirritant, made from 100% Polyester Fibre. They can easily be cut on site or factory cut to size.

Applications





Conference Room



Cafes & Restaurants



Office Pods ਜ਼ੈਜ਼ੈ Offices



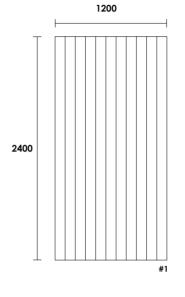
Early Childhood

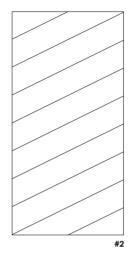


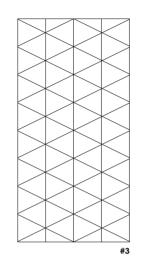
Schools

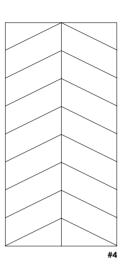


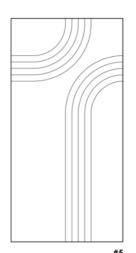
Home Office

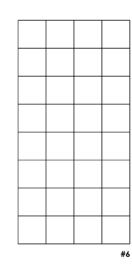


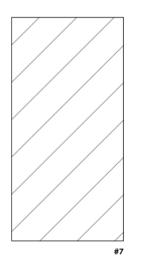


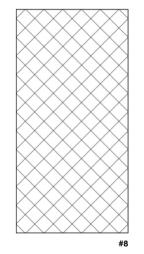












| | Standard Thickness 12mm, 24mm



Standard Sheet Size 1200 x 2400mm











12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0









Product Overview

Dbsorb™ Acoustic dbBaffles™ are designed as a decorative, high performance acoustic baffle to control reverberation in interior spaces.

dbBaffles™ are light-weight (Approx. 1.1Kg/Lm at 48x150mm) yet solid in appearance. They be produced from a range of solid colour or can be custom printed in-house with durability and colour excellence – designed to stand the test of time.

Benefits

Light-Weight – simplifying seismic design, bracing, and installation. Acoustic – highly effective acoustic absorption, eliminates need for additional acoustic blankets etc.

Factory finished – no on-site finishing required.

Easily cut on site if required.

More cost-effective solution than timber or aluminium.

Applications





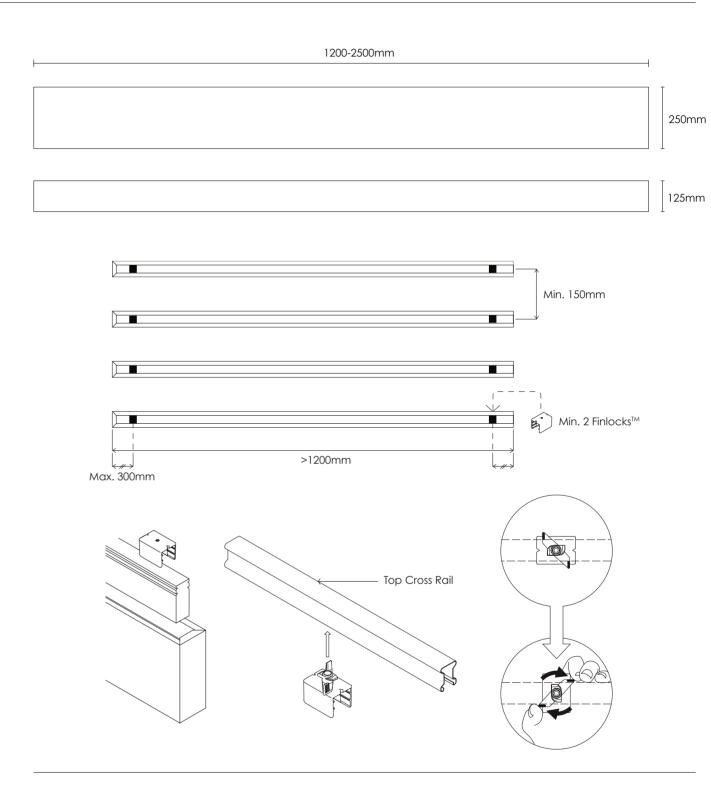
Conference Room



Showrooms &

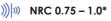


Cafes & Restaurants



|| | Standard Sizes

250 x 2500 x 48mm 125 x 2500 x 48mm (Custom sizing available)



*Size, spacing and air cavity dependent



FinLock+TCR™

Installs to Studco TCR Suspended ceiling system Standard extrusion with seismic design systems readily available.













Product Overview

The dbFin™ Range of high-performance acoustic baffles are designed to effectively control reverberated noise in busy and open spaces. Choose from our range of baffle designs or work with us to create your own unique look.

dbFin[™] coupled with our new Finlock[™] mounting bracket has been engineered for easy and secure installation, without aluminium extrusion, while still allowing for repositioning.

dbFin™ is available in a range of colour, thickness and panel finishes. We work alongside you to tailor solution fit for your space, your vision, and your budget.

Benefits

Precision and easy installation, secure fixings.

Install to suspended ceiling systems or direct fix to ceiling or wall.

Exceptional acoustic performance.

Ideal for installing in occupied spaces or in rooms with limited ventilation.

Low cost of make good at end of tenancy.

Application



Residential



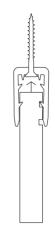
Conference Room

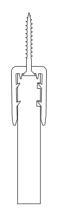


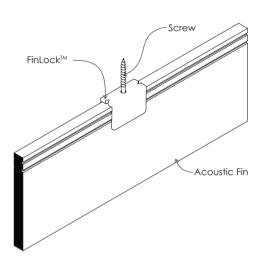
Showrooms &



Cafes &



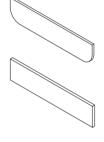






Wavey Baffle

Standard Length: 2400mm Thickness: 12mm, 24mm Options for custom wave design



Flat Baffle

Standard Height: 150mm, 200mm, 300mm, 400mm Standard Length: 2400mm Thickness: 12mm, 24mm

Options for custom sizing / radius



1200 x 150 x 12,24mm

2400 x 200 x 12,24mm

(Custom sizing available)

Tapered Baffle

Standard Taper: 350mm Taper down to 200mm Standard Length: 2400mm Thickness:

12mm, 24mm Options for custom Taper from 50mm to 600mm



FinLock+TCR™

Installs to Studco TCR Suspended ceiling system Standard extrusion with seismic design systems readily available.



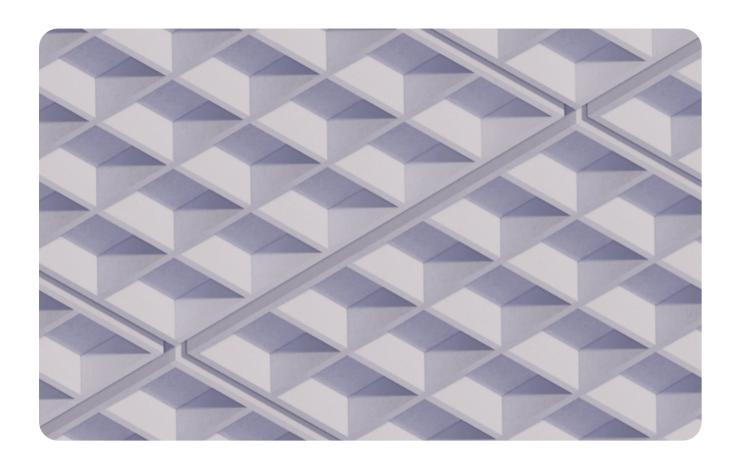
Print designs available



12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0







Product Overview

Dbsorbs dbGrid™ range of high-performance acoustic ceiling panels help to create a modern, open look, and improve the audible clarity in large open spaces.

dbGrid™ is a light-weight, high-performing, and attractive alternative to metal ceilings.

Designed and manufactured here in New Zealand, dbGrid™ visually masks ceiling plenum spaces, and discreetly hides the grid

Additional baffles can be backloaded or provided pre-assembled with the dbGrid™ for aesthetic contrast, a visual barrier between

spaces, and enhanced sound absorption properties.

Available in standard colours and sizes, or with custom colour and size combination.

Applications

Conference Room



Showrooms & Foyers



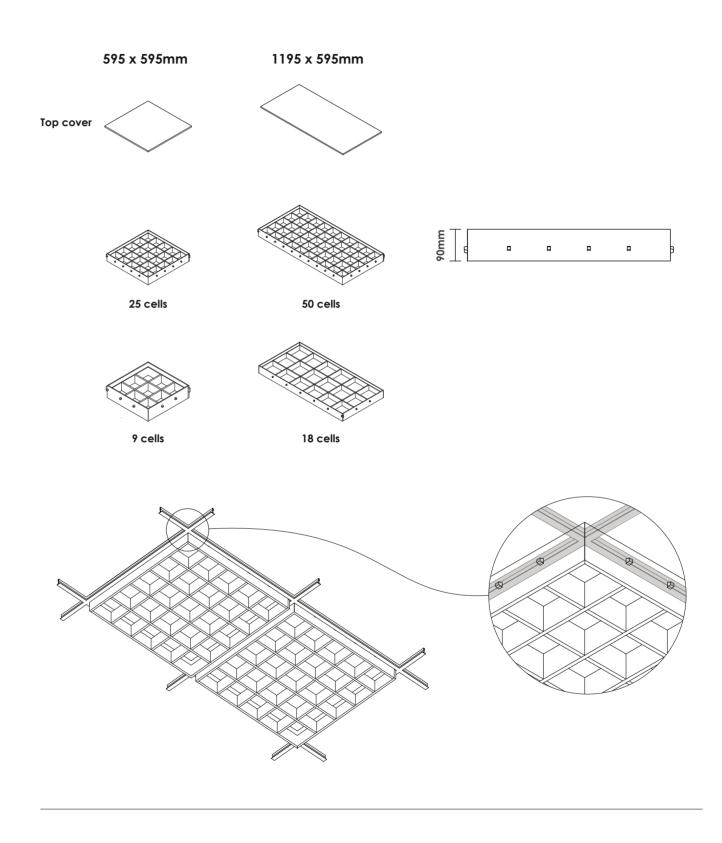
Cafes & Restaurants



∄**∄ Offices**



















The Matrix[™] range of suspended baffles are perfect for both small and large open spaces, maintaining a sense of height and character, with exceptional acoustic performance.

Available in a range of sizes and colours, Matrix[™] baffles are designed to effectively reduce reverberation across a broad range of frequency.

Each MatrixTM baffle includes an adjustable suspension kit, requiring minimal assembly for installation, that allows it to be suspended at a range of heights.

MatrixTM baffles can be used to discretely mask services above, as a island-like feature in open spaces, or to effectively position acoustic absorption over large desks and work spaces

Applications



Conference Room

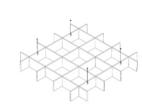


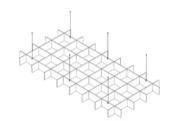


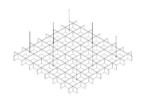
Early Childhood



Schools



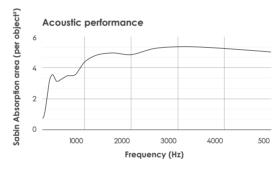


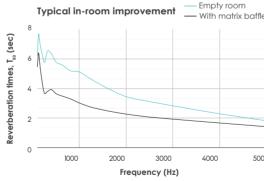


1200 x 1200mm 12mm 24mm 1200 x 1200mm 1200 x 2400mm

2400 x 2400mm

1200 x 2400mm 2400 x 2400mm





Freq So	Sabin absorption area	Reverberation times, T_{ω} (sec)			
(Hz)	(per object²)	Empty room	With matrix baffle		
125	0.83	7.68	6.41		
250	3.18	5.76	3.68		
500	3.25	5.79	3.65		
1000	4.37	5.12	3.02		
2000	4.85	3.45	2.27		
4000	5.25	2.29	1.67		







^{*}Options available for direct fix. Not available for size L









Product Overview

The dbsorb™ range of Hanging Screens™ are designed to improve acoustic clarity and create privacy by visually dividing a space.

Select from our collection of unique cut-thru patterns, or customise by combining print, groove and custom cut to match your aesthetic or branding.

Designed and manufactured in-house from light-weight, semi-rigid Polyester acoustic panel consisting of up to 60% recycled content.

You can choose the level of openness from the range of geometric design available, and can control line-of-sight by requesting pattern be

blocked out as needed - a functional alternative to window privacy films in glass pod meeting rooms.

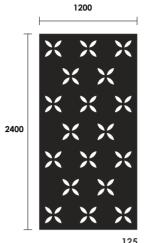
A complete system, supplied with everything* needed to install, our Hanging Screens™ are easily retrofitted to existing spaces with minimal disruption. They can be self- installed by competent DIY or tradesperson.

*Ceiling type / anchor dependant

Applications

Early Childhood

Schools





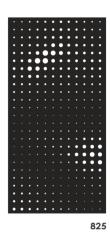




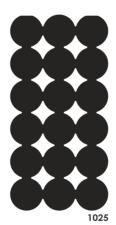












|| Standard Thickness 12mm, 24mm



Standard Sheet Size 1200 x 2400mm





12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0











31 - dbsorb

Quiet Kit™ is a high-performance, modular solution designed to control reverberation in both wall and ceiling applications. Perfect for educational and office environments.

Manufactured from 100% thermallybonded Polyester Fibres, Quiet Kit™ panels are lightweight yet provide a solid and durable appearance.

Quiet Kit™ panels are available in a variety of groove designs, solid colours or can be custom printed in-house, ensuring longlasting durability and vibrant colour quality - designed to meet the demands of modern learning spaces.

Modular, with customisable panels

Acoustic - highly effective acoustic absorption, eliminates need for additional acoustic blankets

Factory finished – no on-site finishing required.

Applications



Conference Room



Showrooms &

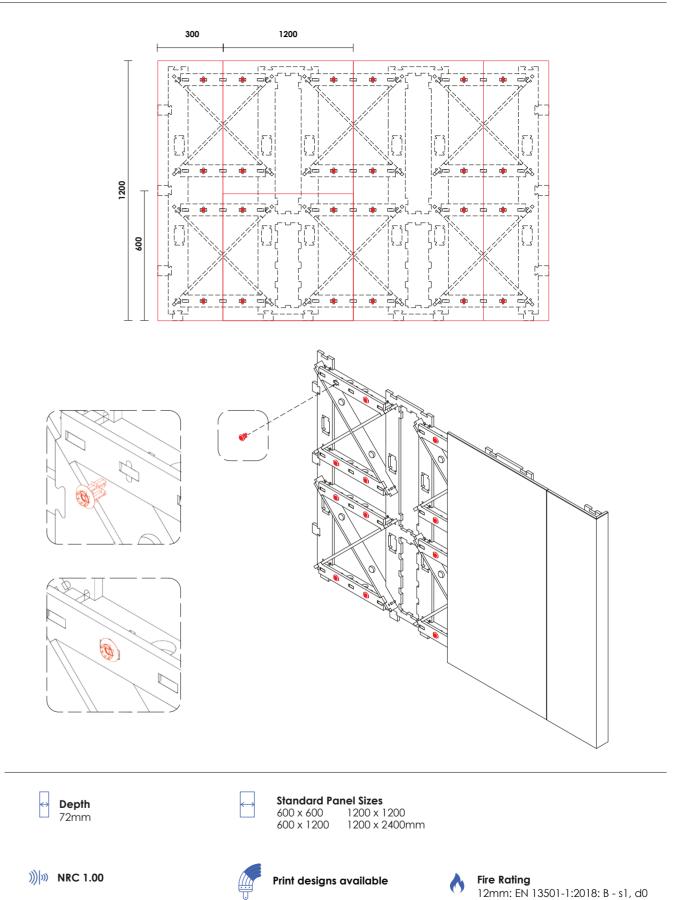


ள்் ் Offices



Early Childhood



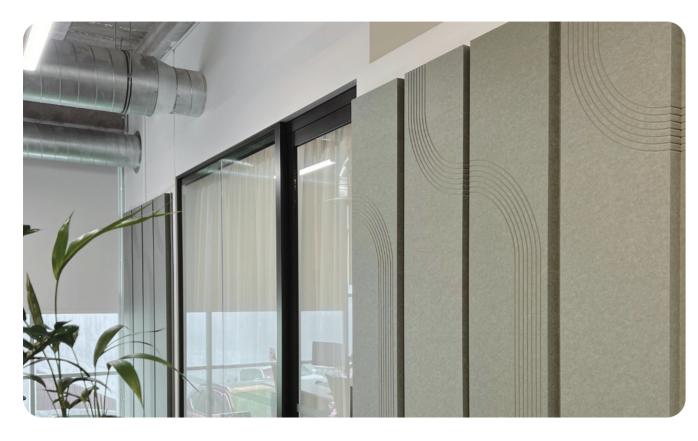


dbSilent Panel **Specifications**









Product Overview

dbSilent PanelTM is designed for ease of installation and exceptional acoustic performance.

Manufactured locally from Decosorb™ panel with clever folds, creating a closed box with no gaps. The design allows for a highly functional air gap while giving the illusion of a solid panel, with option to combine with inlayed polyester panels for boosted acoustic performance.

dbSilent Panel™ is a modular system, standard 960mm x 2280mm. Installation is with our glue-free, patentpending Finlock™ system.

Modules are very easy to install, and are removable/reusable, or fully recyclable at end of life.

Finlock[™] install, glue-free installation. Removable & reusable

Modular – perfect for large open spaces

With air gap or loaded with Inlay panel for enhanced acoustic performance. Folded joins

Wrap print and Groove finish options

No trim necessary for edges

Applications



Conference Room



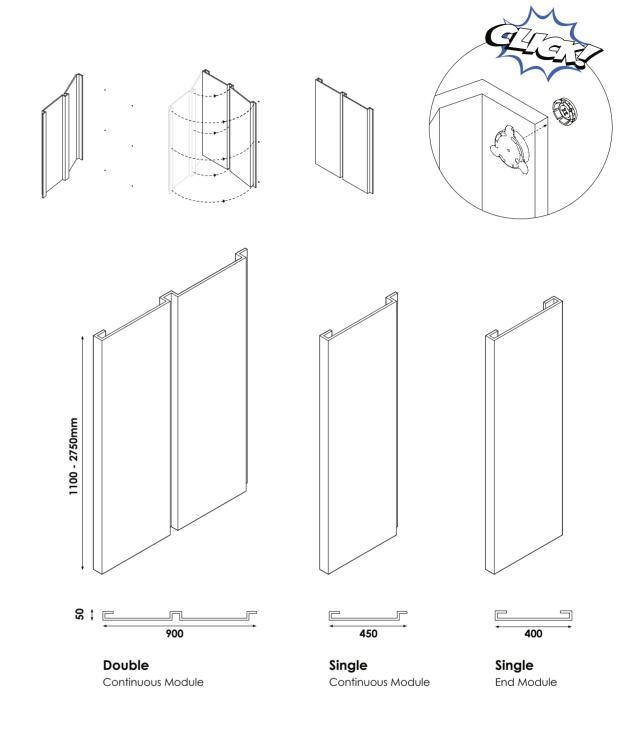
Showrooms &



Office Pods



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Groove designs available





Print designs available

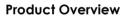












Reduce excess noise and reverberation in any hard surface space with our versatile dbTilesTM. Our glue-free solution speeds up installation time, and can be customised with an array amount of colours and patterns.

Modern styles and vibrant hues transform your space, effortlessly reducing echo. Manufactured locally from our highperformance Decosorb™ panels (NRC 0.4-0.6) with a modular design for flexible use.

Easy, glue-free installation with ReadyClip™. No smell, no VOCs, and a stencil template for precise layout.

Designed for reuse, our demountable system allows tiles to be relocated or recycled, reinforcing our commitment to a circular economy

Applications



Residential



Conference Room



Showrooms & Foyers



Office Pods

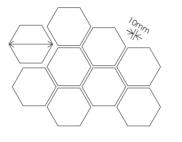




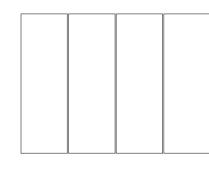


Home Office

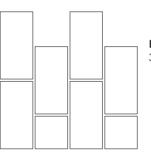
Early Childhood



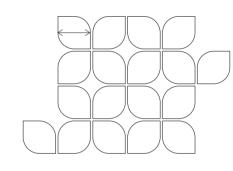
Hive 400mm 600mm



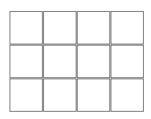
Rectangle 200 x 1200mm 400 x 1200mm 600 x 1200mm



Brick 300 x 600mm



Petal 300 x 300mm



Square 300 x 300mm

600 x 600mm 1200 x 1200mm





Negative Gap



Rebated edge



Chamfered edge







12mm: EN 13501-1:2018: B - s1, d0 24mm: EN 13501-1:2018: B - s2, d0





Product Overview

The Vista™ range of suspended panels create a modern aesthetic with excellent acoustic performance.

Available in a range of sizes, colours and designs, Vista™ panels are designed to effectively reduce reverberation across a broad range of frequency.

Each Vista™ Panel includes an adjustable suspension kit, requiring minimal assembly for installation, that allows it to be suspended at a range of height.

Vista™ Panel can be used to mask services above, as a cloud-like feature in open spaces, or to effectively position over large desks and work spaces.

Applications



Conference Room



Showrooms & Foyers



Cafes & Restaurants

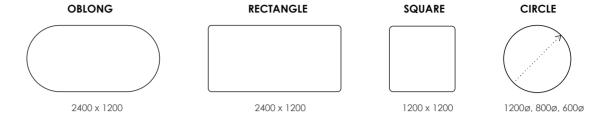




Early Childhood





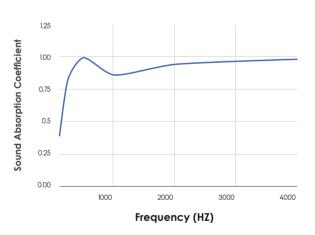


CLOUD SERIES Hex 1247ø 1262ø

Acoustic Performance*

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
150mm gap	0.39	0.8	0.99	0.86	0.94	0.98	0.9

^{*}Acoustic Data based on 2400mm x 1200mm with 150mm suspension



| | Standard Thickness



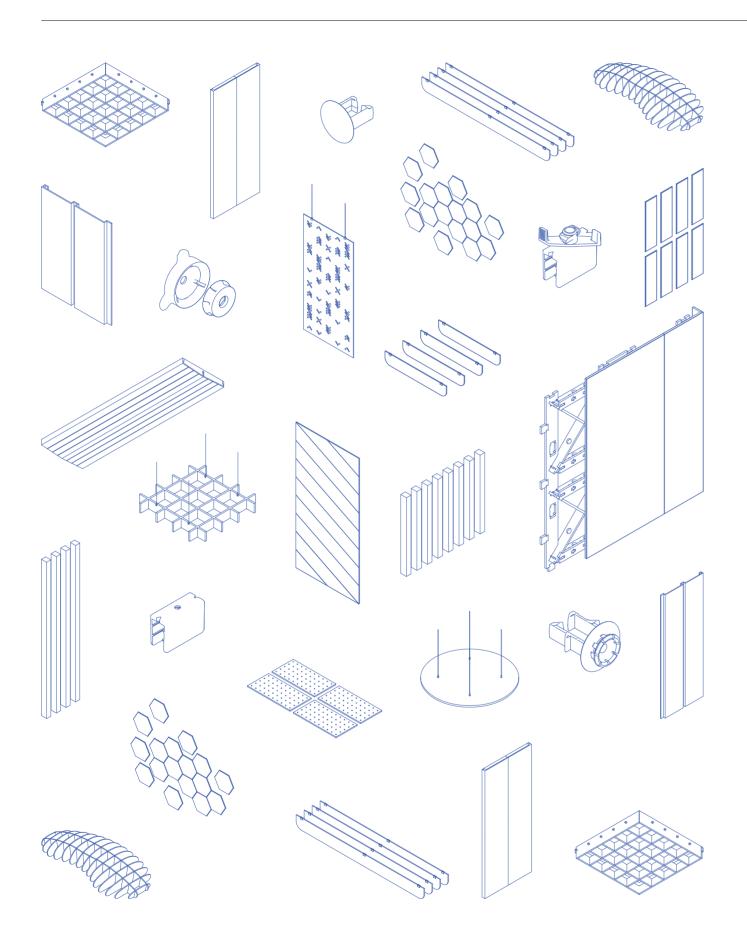
Metric Sabine per Unit Average 2.5 - 3.3*







^{*}Options available for direct fix.



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