WOODFIT
ACOUSTICS

Woodfit Acoustics is a specialist provider of wooden acoustic panelling and turnkey wooden interior fit-out solutions with a client base that spans the globe.

www.woodfitacoustics.com | info@woodfitacoustics.com

Wexford Opera House | OPW and Keith Williams Architects

Dardistown Crematorium | Wejchert Architects

WOODFIT ACOUSTICS

Woodfit help architects and designers create spectacular spaces with exceptional acoustic performance.

With 40 years of experience, we have the expertise to guide you through the design process and deliver your project, as you envisioned it.

Whether working on the most complex of structures, or the finest of details, we guarantee exceptional quality and performance every time.

Limerick Courthouse | Wilson Architecture

CONTENTS

Central Bank of Ireland Headquarters | Henry J Lyons Architects

ABOUT WOODFIT

Woodfit's reputation as one of the world's foremost providers of acoustic wooden panelling owes to the three pillars on which we have built our success:

QUALITY

A quality product, designed and manufactured with precision and consistently produced to the same high standard.

DEPENDABILITY

Fostering strong relationships with our clients by delivering on our promises and meeting any arising issues head on.

INNOVATION

Providing innovative solutions to today's architectural and acoustical challenges and ensuring this continues into the future.

We're as passionate about creating beautiful, functional architectural spaces as you are. Here's how our collaboration normally works:

1

ONE TO ONE PROJECT CONSULTATION

- Discuss the project
- Establish the challenges
- Acoustical and constructional advice
- Value engineering *(if required)*
- Action plan and pricing
- Specification

2

PROJECT DEVELOPMENT & ENGINEERING

- Supply of technical drawing
- Discussion on construction
- Draft of constructional detailing
- Review and redraft *(if required)*
- Sign-off of finished designs
- Shop drawing & cutting lists

3

MANUFACTURING & INSTALLATION

- Product manufacture and finishing
- Safe secure shipping to site
- Installation *(if required)*
- Quality control
- Trouble shooting
- Documentation and project close

WOODFIT SPECIFICATION CENTRE

You may wish to include one or more of our products in an upcoming project. This section is designed to help you quickly and easily develop your design drawings and specifications.

BUILD YOUR SPECIFICATION

1. Choose a Product
2. Choose a Material & Finish
3. Choose a System Format

Please contact Woodfit at anytime to discuss your project.

Well-resolved drawings and specifications are key to ensuring a project runs smoothly. Before you submit your documents, consult with Woodfit. We'll ensure that your submission is as clear and descriptive as possible.

Email: info@woodfitacoustics.com

Hewlett Packard, Galway | Taylor Architects

WOODFIT PRODUCTS

LINEAR

Product		NRC	Class	αw	More info	Typical Format	Installation
	LINEAR 12*	.75-.8	C	.65 - .7	Contact Woodfit	Tongue & Groove Plank	P26-27
BEST SELLER 	LINEAR 12B	.75-.8	B/C	.75 - .8	P24		
BEST SELLER 	LINEAR 12C	.65-.7	C/D	.55-.6	P24		
	LINEAR 12D*	.8-.9	B	0.85	Contact Woodfit		
	LINEAR 28*	0.7	C	0.6	P25		
	LINEAR 45*	0.55	D	0.4	P25		

PERFORATED

Product		NRC	Class	αw	More info	Typical Format	Installation
	P001	0.5	E	0.25	Contact Woodfit	Panel	P42-43
	P002	0.35	E	0.15	Contact Woodfit		
	P003	.5-.55	D	.3-.4	Contact Woodfit		
	P004	0.45	E	0.45	Contact Woodfit		
	P006	.55-.6	D	.4-.45	P40		
BEST SELLER 	P007	.7-.8	C	.65-.7	P40		
	P009	0.6	E	0.25	Contact Woodfit		
	P010	.55-.6	D	.35 - .4	P41		
BEST SELLER 	P011	0.7	D	0.55	P41		

FINELINE SLATS

Product		NRC	Class	αw	More info	Typical Format	Installation
	FLV001	.8 - .85	A/B	.85 - .9	P32	Module	P34-35
BEST SELLER 	FLV002	.8 - .85	A/B	.85 - .9	P32		
	FLV003	.8 - .85	B	0.85	Contact Woodfit		
	FLH001	.7-.75	C	0.6	Contact Woodfit		
BEST SELLER 	FLH002	0.7	D	0.55	P33		
	FLH003	.75 - .8	C	.7-.75	Contact Woodfit		
	FLH004	.8 - .9	B	.8-.85	P33		

MICROPERFORATED

Product		NRC	Class	αw	More info	Typical Format	Installation
	MP01*	.8-.85	B	0.8	P44	Panel	P42-43
BEST SELLER 	MP02*	.7-.8	D	0.55	P44		
BEST SELLER 	MP03	.85 -.9	B	0.8	P45		
	MP04	0.9	B	0.85	P45		

SLOTTED

Product		NRC	Class	αw	More info	Typical Format	Installation
	S001	0.85	D	0.55	P50	Panel	P42-43
	S002	0.7	D	0.3	P50		
	S004	0.5	E	0.3	Contact Woodfit		
	S005	0.8	D	0.45	P51		
	S017	0.9	C	0.65	P51		

** Limited availability. Please contact Woodfit to verify suitability to your project.*

** Please contact Woodfit for any custom requirements beyond our standard offering.*

WOODFIT MATERIALS

SOLID TIMBER

Solid timber is a natural resource which offers a unique look and feel, with an array of species to choose from. It is renewable and captures atmospheric carbon as it grows, making it one of the most environmentally friendly raw materials available in construction.

- **Suitable for:** Fineline slats, trims, returns, reveals etc.
- **Not suitable for:** Linear, perforated, slotted, micro-perforated.
- **Advantages:** Unique aesthetic, high quality finish.
- **Fire Performance:** Surface treatment recommended. Impregnation treatment possible, with increased cost and lead time.
  Consult Woodfit for more info.

MDF

MDF is an engineered timber board product used extensively in furniture making and architectural panelling. MDF can be painted or faced with melamine or laminate but is most often faced and edged with natural timber veneer.

MDF is both cost effective and sustainable, being formed from forestry bi-products. Facing veneer uses only a thin layer of timber, offering material efficiency up to 25x better than solid timber.

- **Suitable for:** All products.
- **Advantages:** Cost effective, highly sustainable, quality finish, stable, flexible sizing.
- **Fire Performance:** Euroclass B/class 0 as required

BIRCH PLYWOOD

Birch Ply is an engineered board formed from layers of birch wood veneer orientated in alternating directions and bonded together. The result is a beautiful, strong, dimensionally stable product.

The unique Birch ply edge effect makes it a popular choice among designers.

- **Suitable for:** Fineline Slats, Perforated, Slotted.
- **Not suitable for:** Linear, micro-perforated.
- **Advantages:** Unique aesthetic, quality finish, stable, flexible sizing.
- **Fire Performance:** Surface treatment recommended. Impregnation treatment possible, with increased cost and lead time.
  Consult Woodfit for more info.

Please note that all timber products are subject to natural defects and variations in shade. This is an intrinsic characteristic of timber. Where such characteristics are not acceptable, we recommend the use of high quality wood grain imitation products such as laminate or melamine.

WOOD FINISHES

**Suitable for outdoor applications. Accoya is advised for areas where the item will be highly exposed to the elements.*

Please Note: Wood is a natural product and shades may vary from the samples shown.

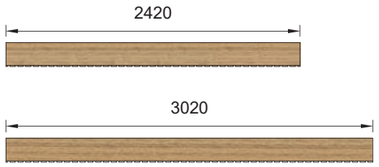
COLOUR FINISHES

RAL Colours available on request

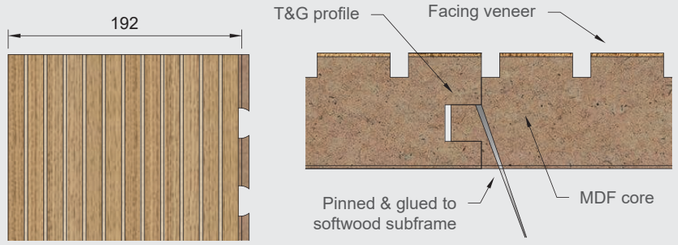
SYSTEM FORMATS

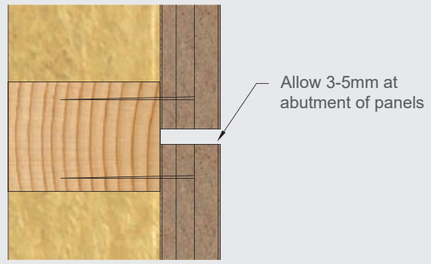
PLANK: LINEAR

Plank Sizes:



SYSTEM L1
Planks fixed directly to subframe

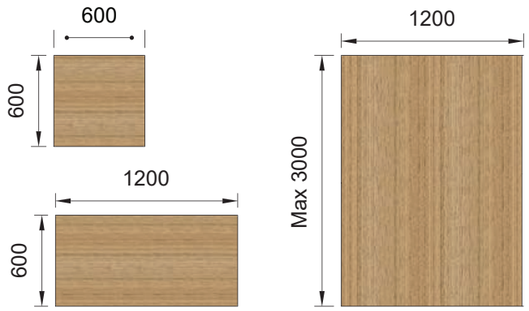




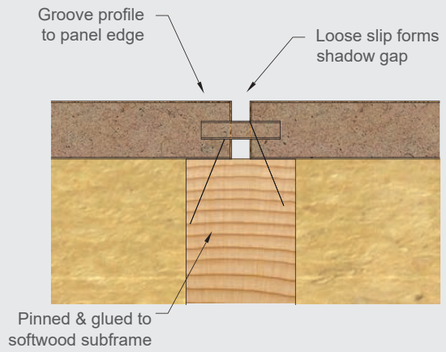
More information on page 27.

PANEL: PERFORATED · MICROPERFORATED · SLOTTED

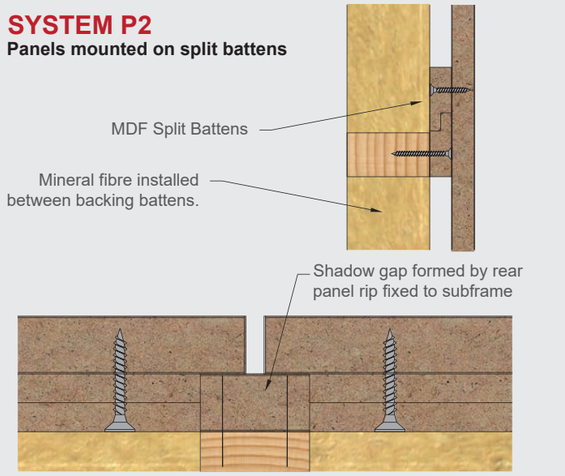
Panel Sizes:



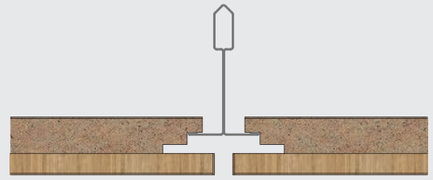
SYSTEM P1
Panels fixed directly to sub-frame



SYSTEM P2
Panels mounted on split battens



SYSTEM P3
Panels suspended on T-grid system

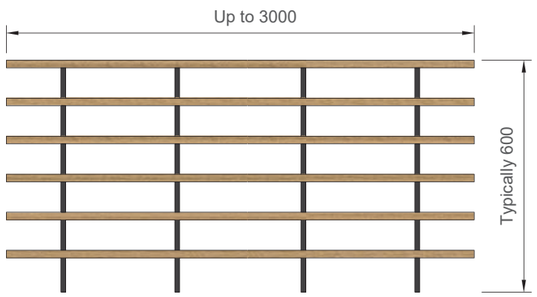


-Panels mounted on T-grid system
-Mineral Fibre installed above
-Multiple edge profiles available

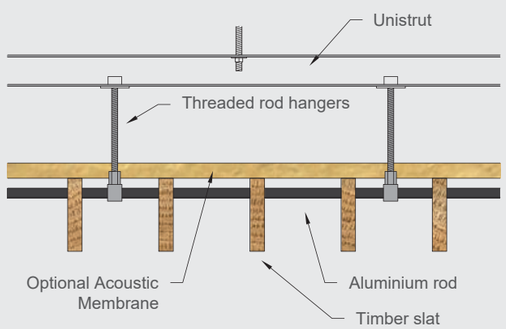
More information on page 42.

MODULE: FINELINE SLATS

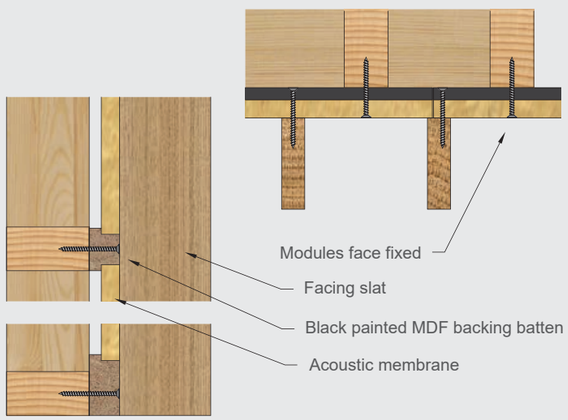
Module Sizes:



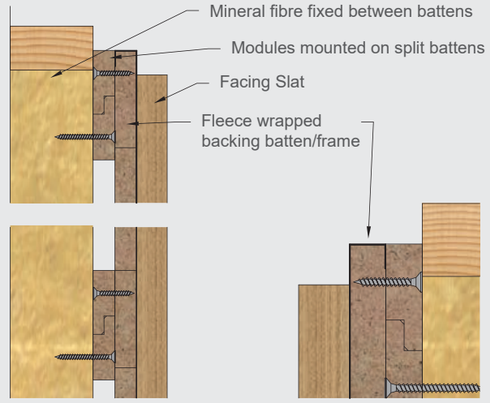
SYSTEM M1:
Slats suspended on aluminium rods



SYSTEM M2
Slats on cross battens with integrated acoustic membrane



SYSTEM M3
Slats on backing battens/ frame, fabric wrapped & mounted on split battens

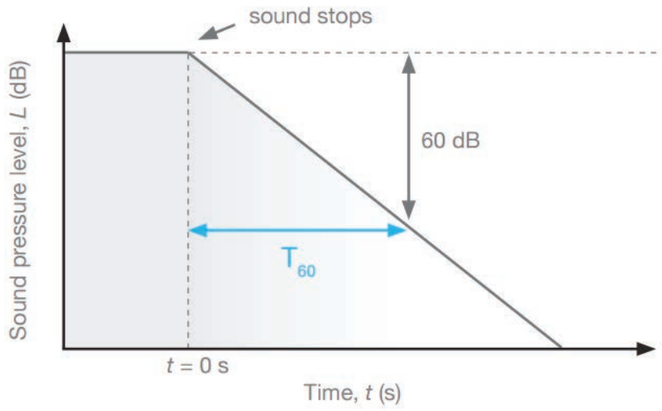


More information on page 34.

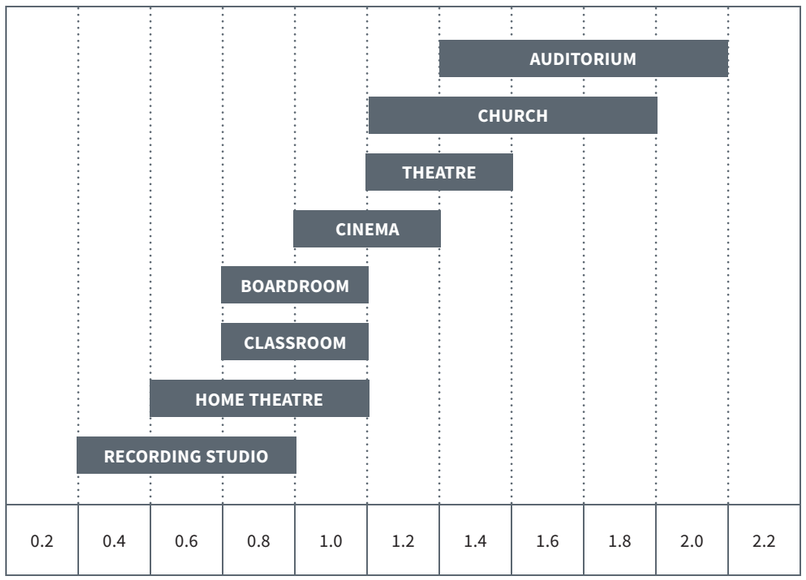
ACOUSTIC PERFORMANCE

Reverberation is a measure of the effect of reflection within a space, defined as the persistence of sound in an enclosure due to its continuous reflection or scattering from surfaces or objects, after the sound source has ceased. Reverberation is measured as “reverberation time;” that is the time it takes to for sound to decay by 60dB in a given space.

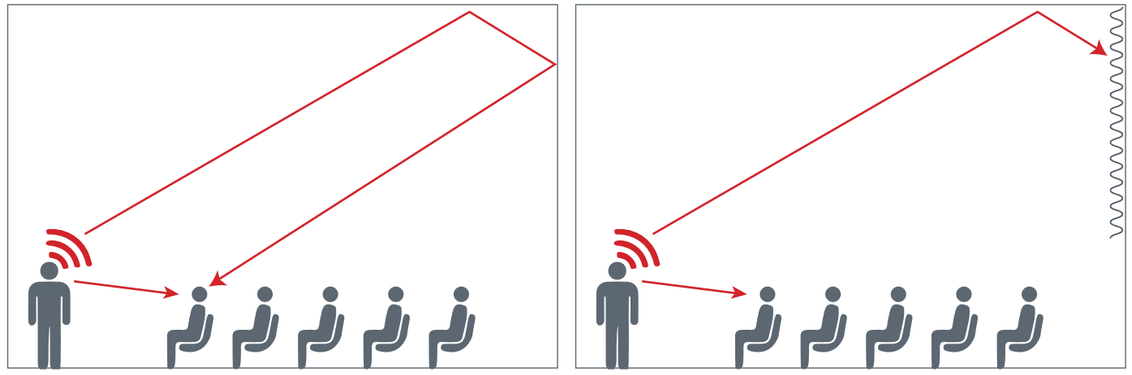
Reverberation time, t = T_{60} (s)



The function of a room determines how short the reverb time should be. Reverb time for speech needs to be short to prevent successive speech sounds from overlapping. Music, especially classical or unamplified benefits from a longer reverb time - blending successive notes resulting in a fuller tone.



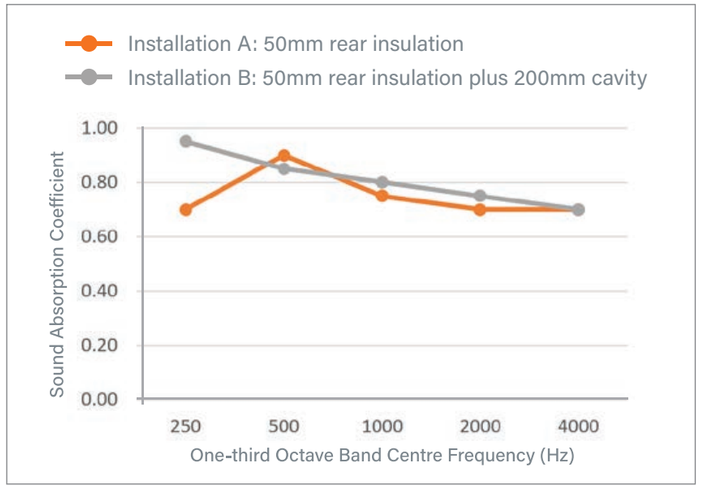
By introducing sound absorbing surfaces, we can control the amount of reflection and reduce the reverb time. Illustrated below, we use absorption to nullify the echo from the rear wall of a long room. To increase the effects of an intervention, we can use a more effective absorber, or increase coverage.



NOISE REDUCTION COEFFICIENT

Noise Reduction Coefficient or NRC is the most common measure of product efficacy and is expressed on a scale of 0 – 1 where 0 indicates perfect reflection and 1 indicates perfect absorption. NRC is actually the average of 4 “sound absorption coefficients,” that is the absorption efficiency of the material at 4 different frequencies, 250Hz, 500Hz, 1000Hz, 2000Hz. Graphs are employed to give a more detailed illustration of performance.

Below is an absorption performance graph resulting from such a test on Woodfit’s Linear 12B product, which has an NRC of .75 - .85.



Results are determined in UKAS accredited laboratory tests according to BS EN ISO 354 and ASTM 423.

Kildangan Stud Conference Centre | John P Delaney Architects

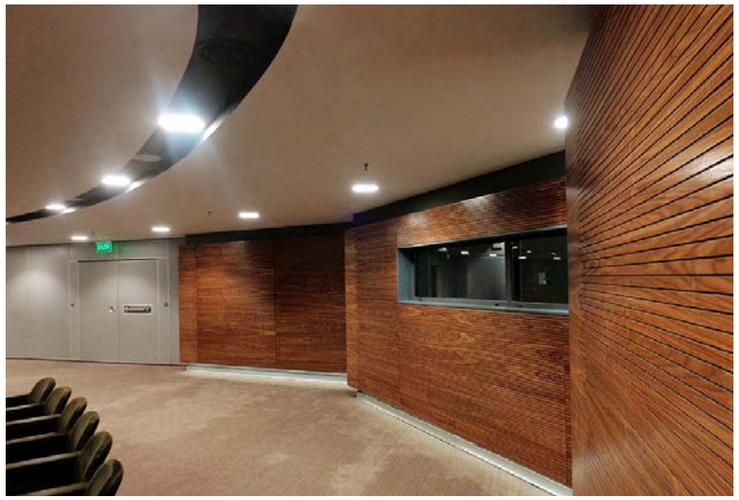
LINEAR

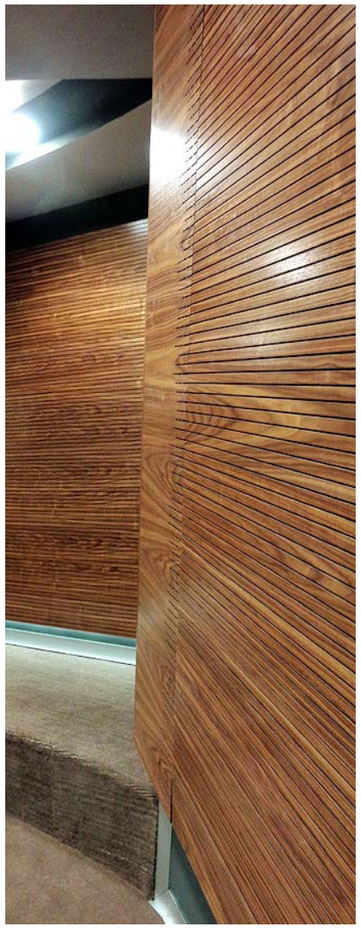
Our linear range combines grooving on the panels face, with perforation to its rear, to create a panel that offers striking appearance and excellent acoustic performance.

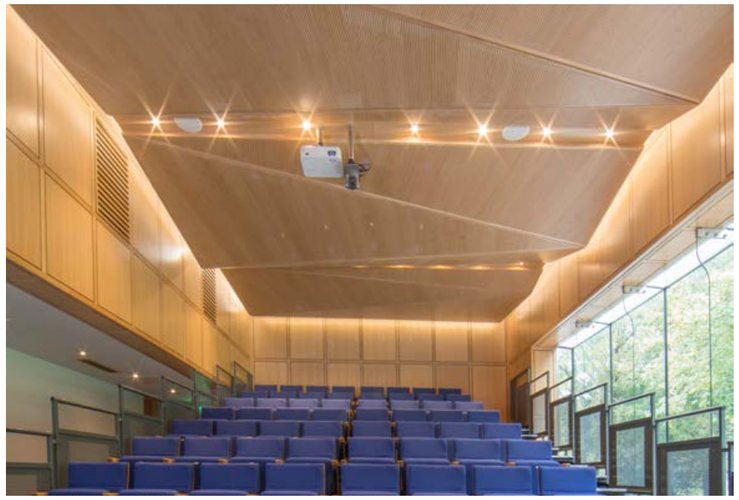
Creating a clean linear effect on walls and ceilings across a range of applications, this panel style offers a warm organic finish, ideally suited to use in lecture theatres, meeting rooms and public buildings.

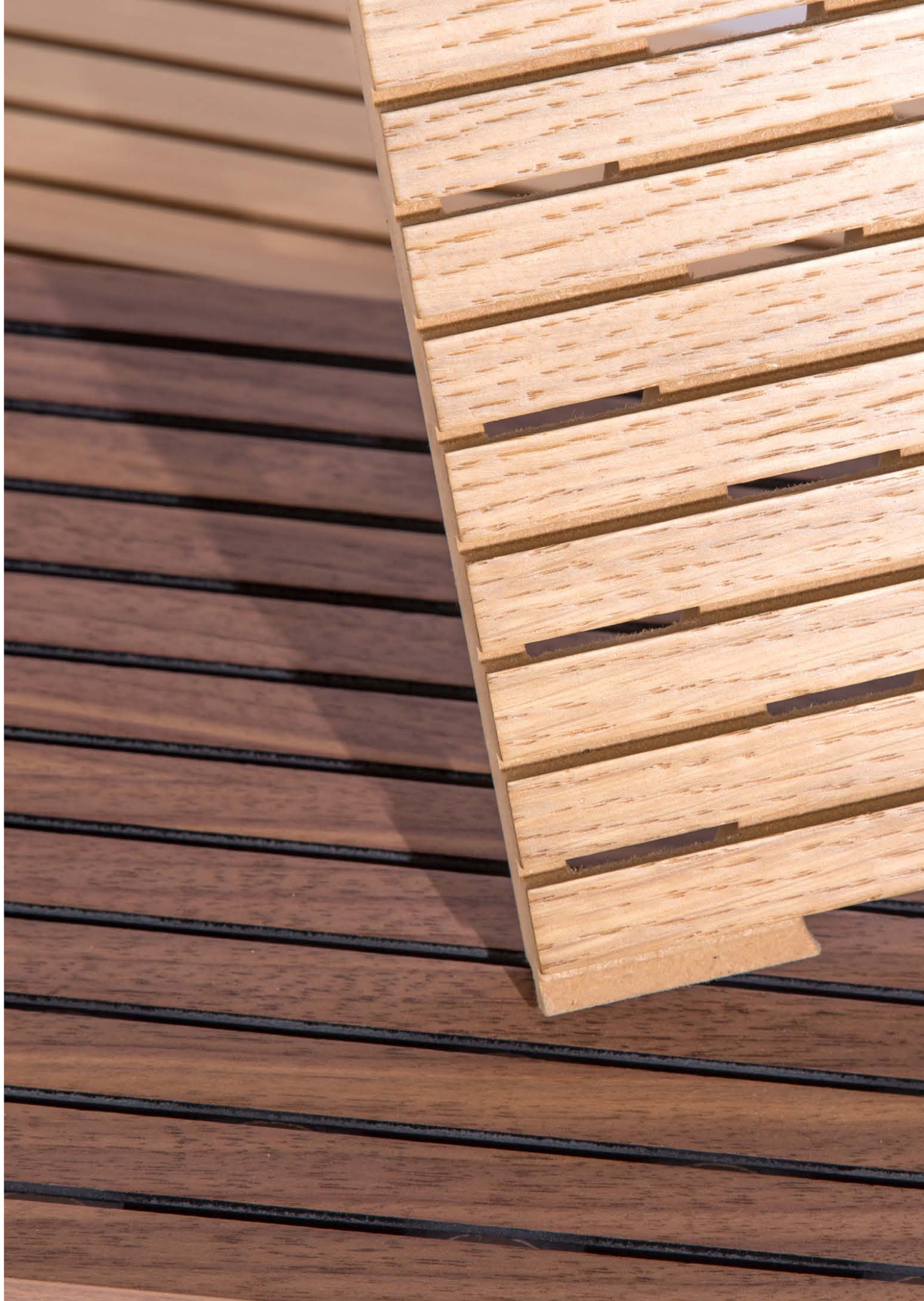
Linear panels in action...

OSDE Auditorium, Argentina; Kildangan Stud Conference Centre | John P Delaney Architects, Ireland







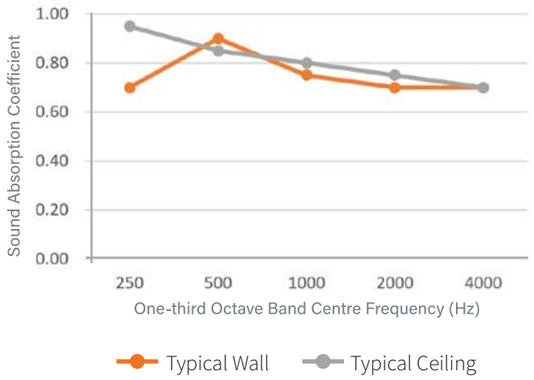


LINEAR ACOUSTIC PLANKS

Linear 12B

NRC **.75-.85**
Class **B/C**

Dimensions:
Interval **13mm**
Groove **3mm**
Rear Perf **10mm**



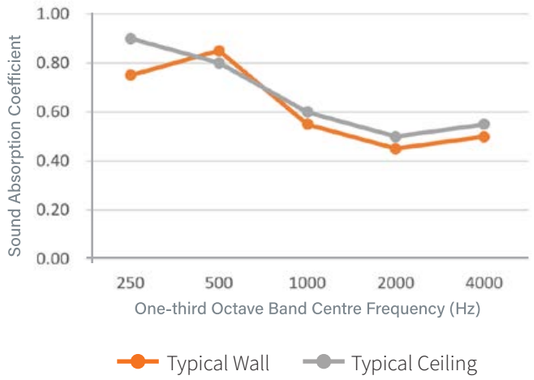
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.70	0.95
500	0.90	0.85
1000	0.75	0.80
2000	0.70	0.75
4000	0.70	0.70
NRC	**0.75**	**0.85**
αw	**0.75**	**0.80**
Class	**C**	**B**

Independently Verified: BSRIA Report 61077/3

Linear 12C

NRC **.65-.70**
Class **C/D**

Dimensions:
Interval **13mm**
Groove **3mm**
Rear Perf **10mm**



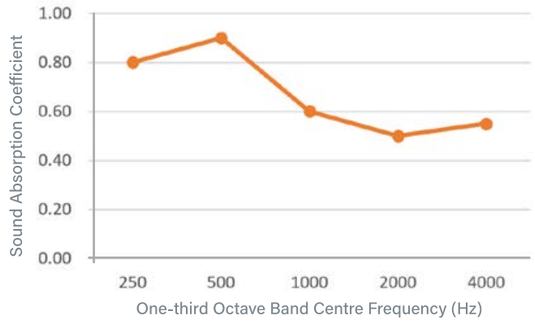
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.75	0.90
500	0.85	0.80
1000	0.55	0.60
2000	0.45	0.50
4000	0.50	0.55
NRC	**0.65**	**0.70**
αw	**0.55(L,M)**	**.60(L)**
Class	**D**	**C**

Independently Verified: BSRIA Report 61077/1

Linear 28

NRC **.70**
Class **C**

Dimensions:
Interval **29mm**
Groove **3mm**
Rear Perf **10mm**



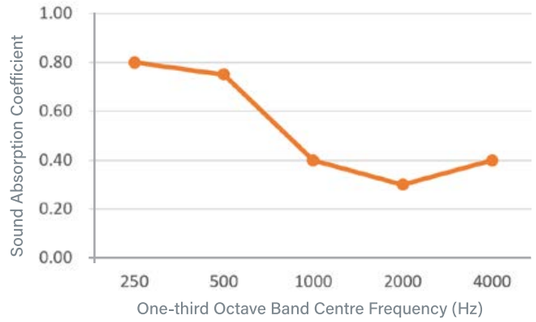
Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	0.80
500	0.90
1000	0.60
2000	0.50
4000	0.55
NRC	**0.70**
αw	**.60(L,M)**
Class	**C**

Independently Verified: BSRIA Report 61077/5

Linear 45

NRC **.55**
Class **D**

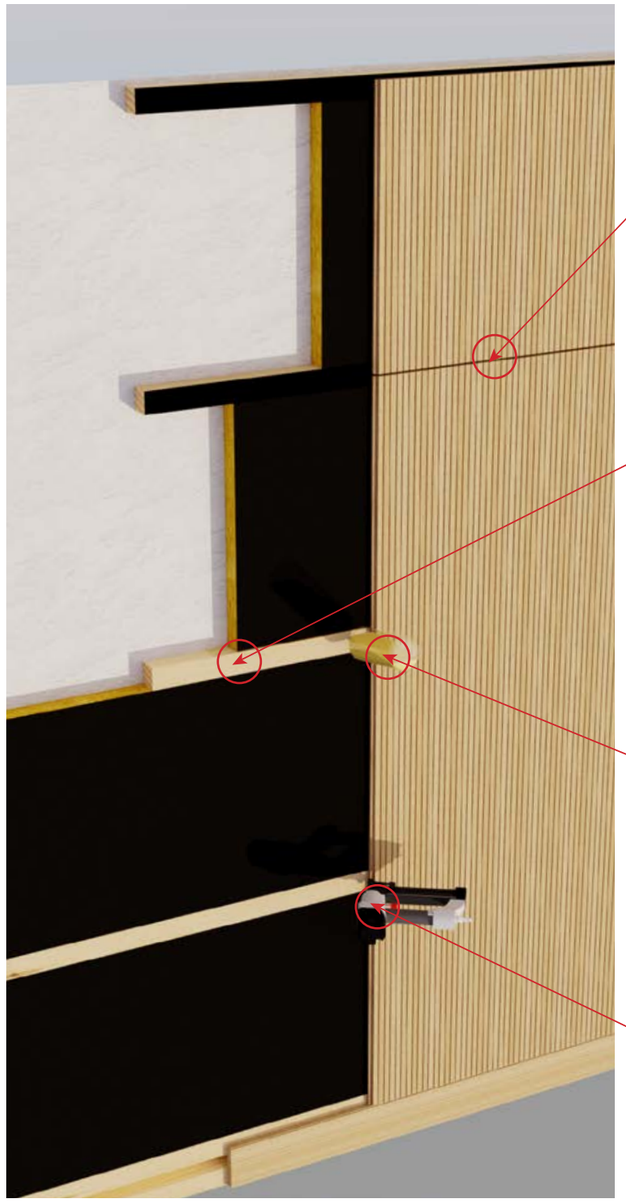
Dimensions:
Interval **45mm**
Groove **3mm**
Rear Perf **10mm**

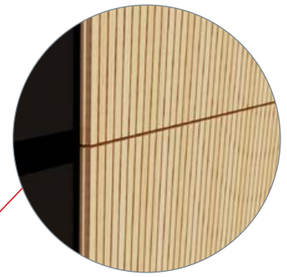


Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	0.80
500	0.75
1000	0.40
2000	0.30
4000	0.40
NRC	**0.55**
αw	**0.40(L,M)**
Class	**D**

Independently Verified: BSRIA Report 61077/6

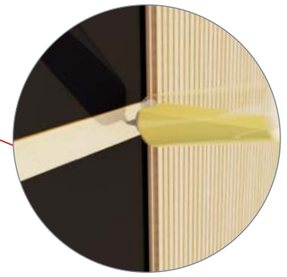
LINEAR SYSTEM L1





Allow a 3-5mm shadow gap at end of planks. For best results, use the aligned style as shown and paint battens black where visible.

Typically, 50 x 50mm softwood/MDF battens screw-fixed to wall or partition at 600mm centres running perpendicular to panelling; 50mm black fleece faced rockwool installed between battens. For best results, paint batten faces black.



Apply standard wood glue to tongue and groove and between panel and backing batten.

Pin panels to wall battens through the tongue (or through the groove) to create a secret fixing.

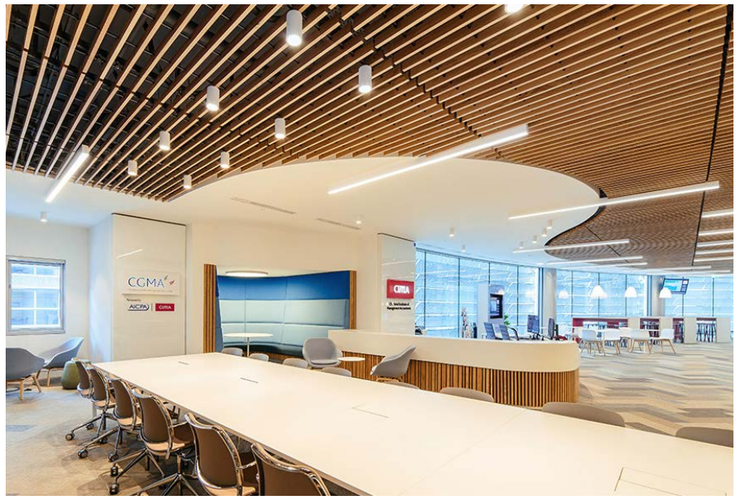
Sala Cecilia Meireles | Acustica & Sonica

FINELINE SLATS

Our solid wood slat systems feature the distinct look and feel of solid timber in a clean, contemporary design. Often referred to as the “linear,” “grill,” or “slat” style, this product is predominantly used for ceiling installations, but is equally suitable for walls. Woodfit Acoustics have developed a market leading modular system which permits flexible design options, easy installation and a seamless finish; a striking, contemporary solution to a range of aesthetic and acoustic challenges.

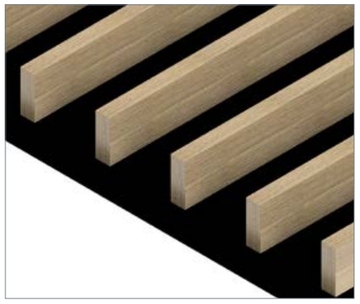
Fineline Slats in action...

Central Bank of Ireland | Henry J Lyons Architects; CIMA Headquarters | iDEA Architects; Harrogate Civic Council | Farrell & Clark LLP



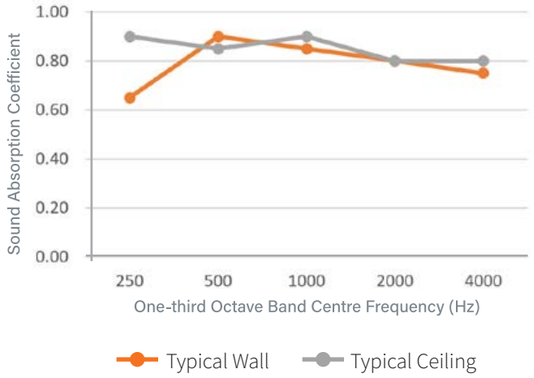
FINELINE SLATS

FLV001



NRC **.80 - .85**
Class **A/B**

Dimensions:
Width **19mm**
Depth **55mm**
Centres **100mm**



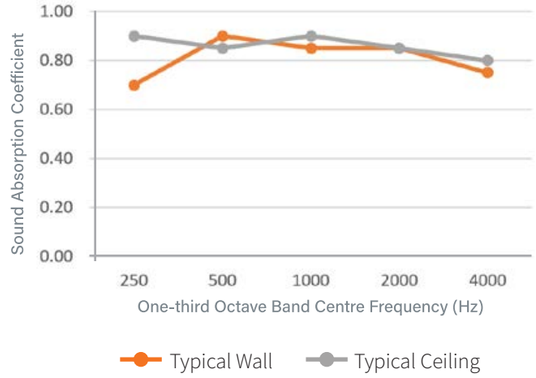
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.65	0.90
500	0.90	0.85
1000	0.85	0.90
2000	0.80	0.80
4000	0.75	0.80
NRC	**0.80**	**0.85**
αw	**0.85**	**0.90**
Class	**B**	**A**

Independently Verified: BSRIA Report 61077/18

FLV002

NRC **.85 - .90**
Class **A/B**

Dimensions:
Width **19mm**
Depth **55mm**
Centres **75mm**



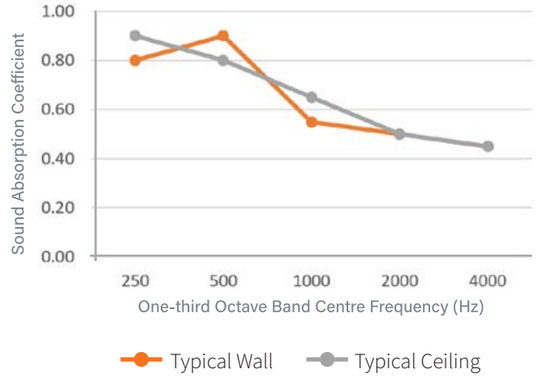
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.70	0.90
500	0.90	0.85
1000	0.85	0.90
2000	0.85	0.85
4000	0.75	0.80
NRC	**0.85**	**0.90**
αw	**0.85**	**0.90**
Class	**B**	**A**

Independently Verified: BSRIA Report 61077/19

FLH002

NRC **.70**
Class **D**

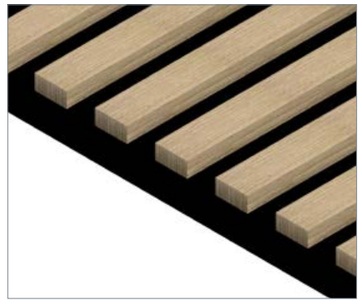
Dimensions:
Width **75mm**
Depth **19mm**
Centres **100mm**



Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.80	0.90
500	0.90	0.80
1000	0.55	0.65
2000	0.50	0.50
4000	0.45	0.45
NRC	**0.70**	**0.70**
αw	**0.55(L,M)**	**0.55(L,M)**
Class	**D**	**D**

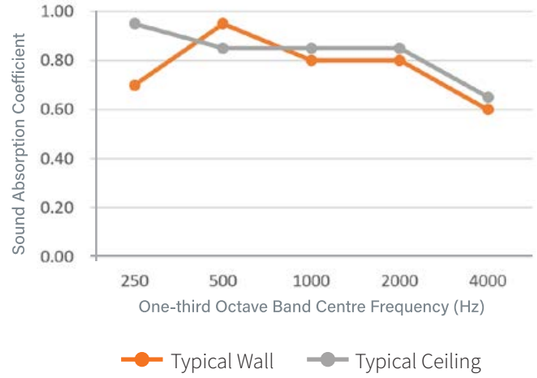
Independently Verified: BSRIA Report 61077/15

FLH004



NRC **.80 - .90**
Class **B**

Dimensions:
Width **40mm**
Depth **19mm**
Centres **75mm**

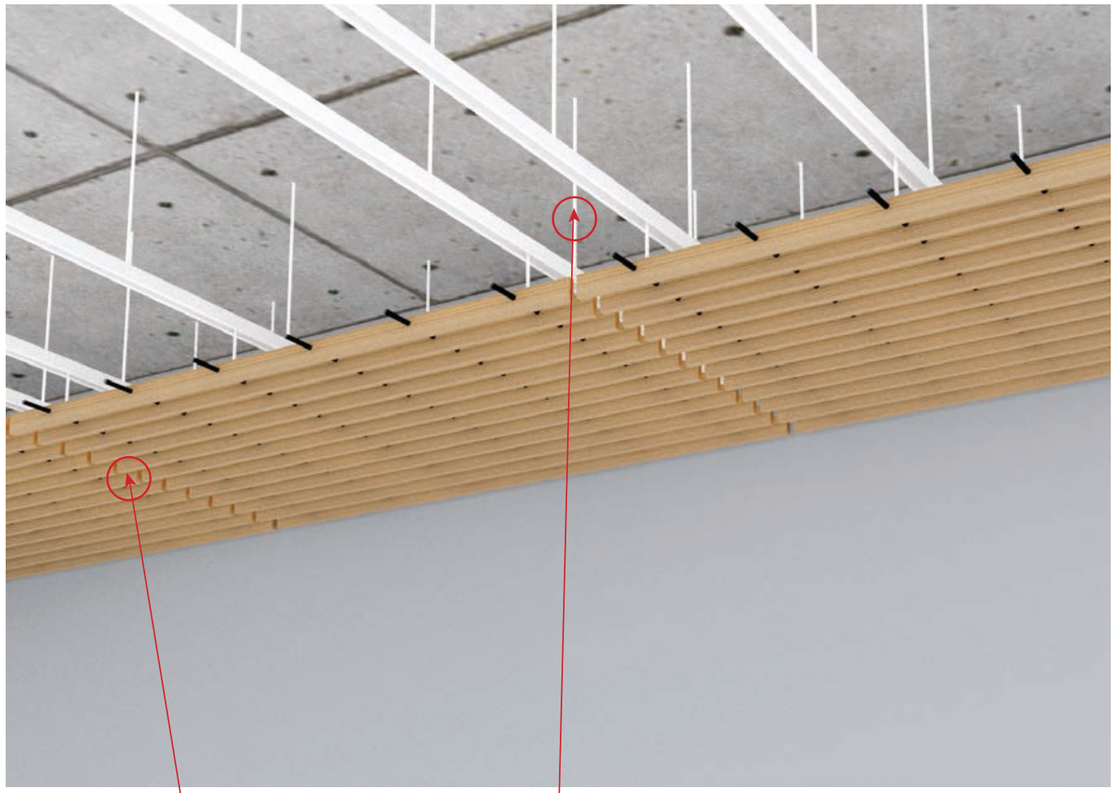


Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.70	0.95
500	0.95	0.85
1000	0.80	0.85
2000	0.80	0.85
4000	0.60	0.65
NRC	**0.80**	**0.90**
αw	**0.80**	**.85(L)**
Class	**B**	**B**

Independently Verified: BSRIA Report 61077/17

CEILING INSTALLATION

FINELINE SLATS - SYSTEM M1



Allow a 10-50mm shadow gap between modules and 25-50mm at perimeter.

Unitstrut suspended from ceiling and slats suspended from unistrut using M8 threaded bar.

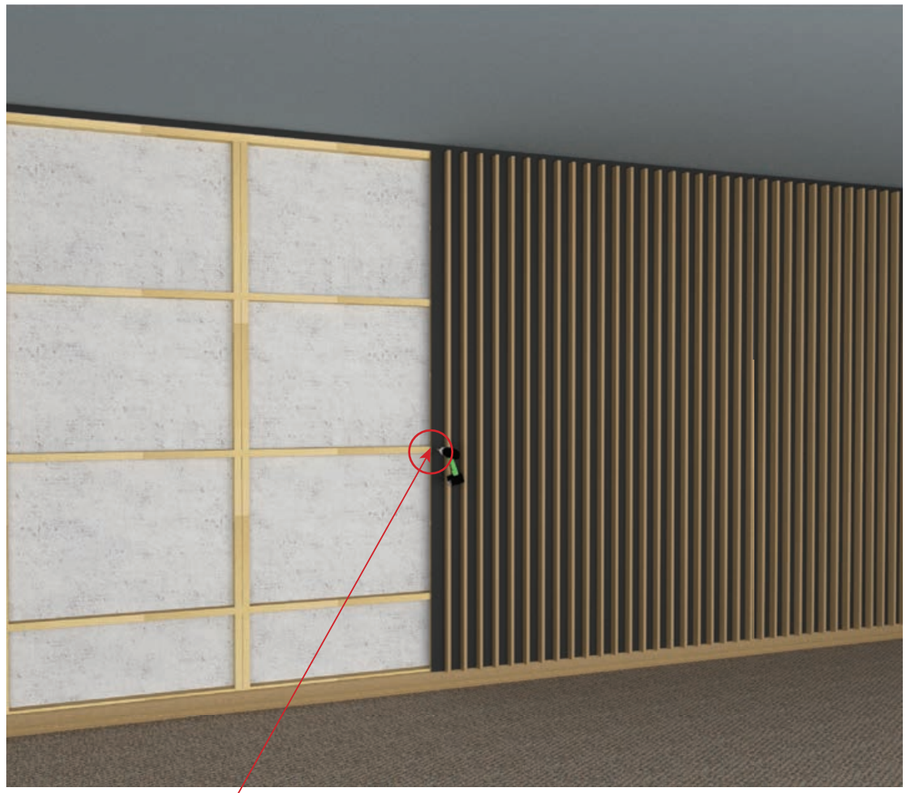
Woodfit hanging clips allow easy mounting and demounting.

For a black-out effect, paint the hardware and services above black.

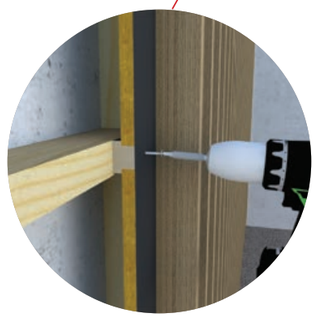
Optional acoustic fleece membrane located directly above slats.

WALL INSTALLATION

FINELINE SLATS - SYSTEM M2



Module with acoustic membrane removed.



Panels mechanically face-fixed to battens using black-headed screws. Acoustic membranes fixed between backing battens.

PERFORATED

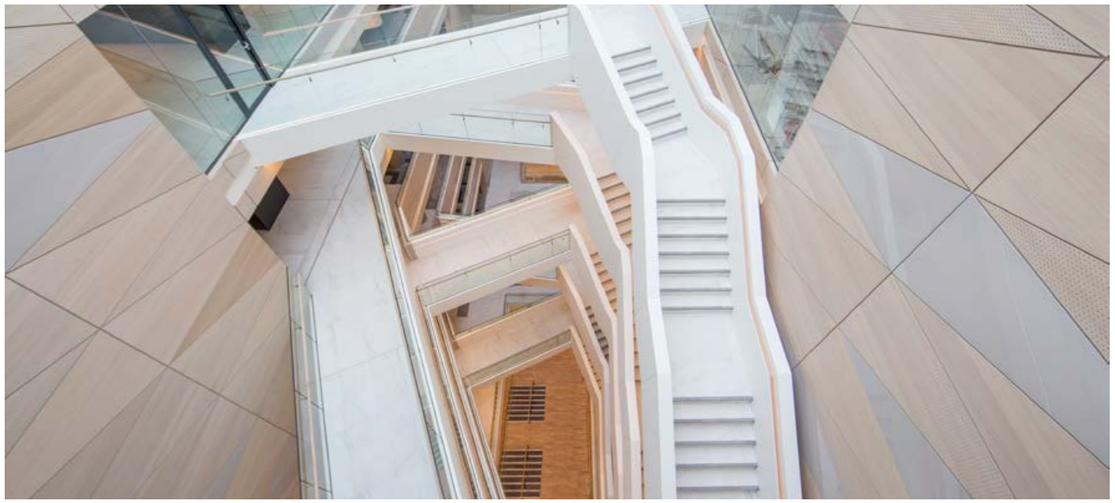
Our perforated panels combine the natural beauty of wood with precision engineered perforations in a range of classic patterns.

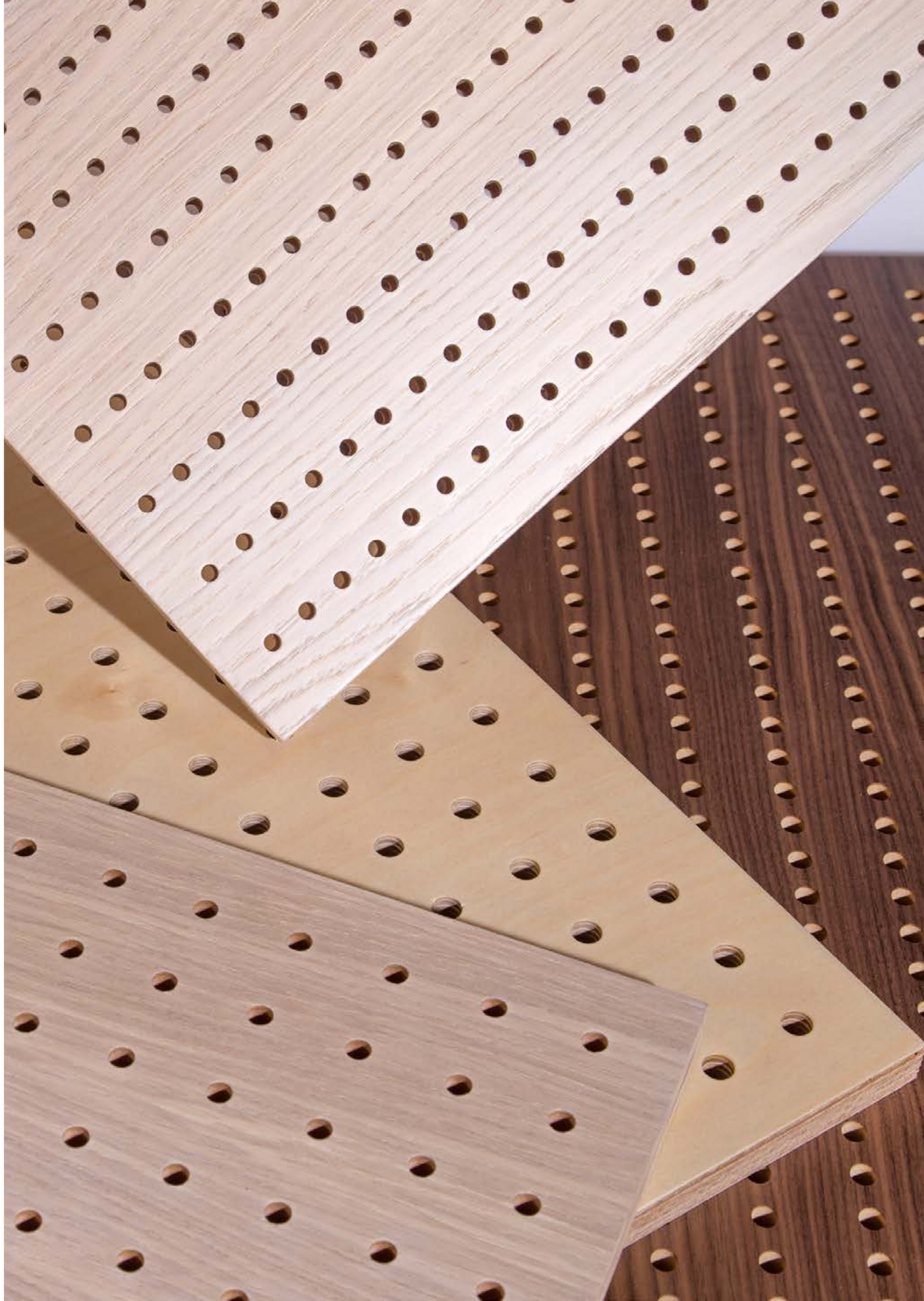
Suitable for both walls and ceilings, our perforated range are installed using simple T-grid, metal frame or custom built systems and are available in square, double square or custom configurations.

Sligo Institute of Technology | Rhatigan Architects

Perforated panels in action...

Sligo Institute of Technology | Rhatigan Architects; Hewlett Packard Galway | Taylor Architects,
Central Bank of Ireland Headquarters | Henry J Lyons Architects; BBVA Auditorium | Decibel



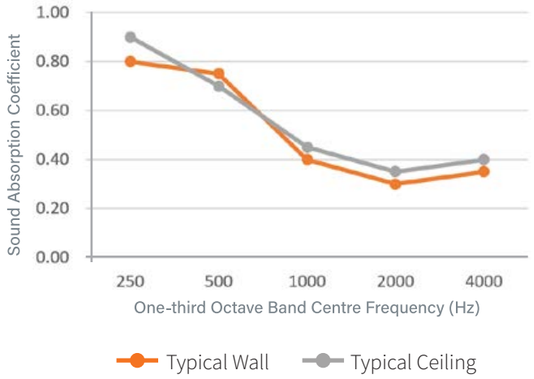


PERFORATED ACOUSTIC PANELS

P006

NRC **.55-.60**
Class **D**

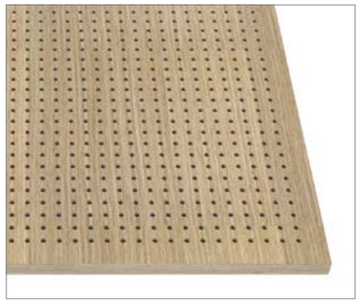
Dimensions:
Perf **8mm**
Centre X **32mm**
Centre Y **16mm**



Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.80	0.90
500	0.75	0.70
1000	0.40	0.45
2000	0.30	0.35
4000	0.35	0.40
NRC	**0.55**	**0.60**
αw	**0.40 (L,M)**	**0.45 (L.M)**
Class	**D**	**D**

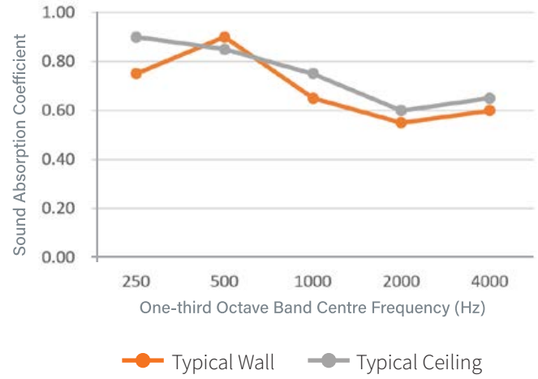
Independently Verified: BSRIA Report 61077/8

P007



NRC **.70-.80**
Class **C**

Dimensions:
Perf **8mm**
Centre X **16mm**
Centre Y **16mm**



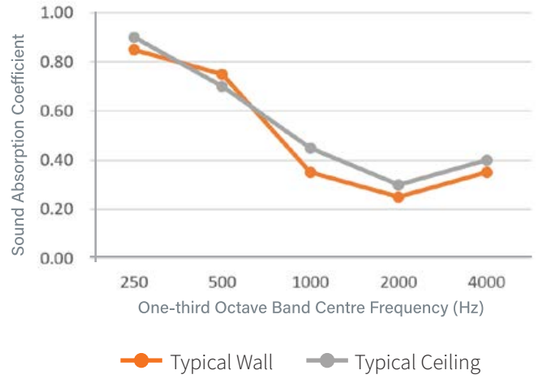
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.75	0.90
500	0.90	0.85
1000	0.65	0.75
2000	0.55	0.60
4000	0.60	0.65
NRC	**0.70**	**0.80**
αw	**0.65 (L,M)**	**0.70 (L)**
Class	**C**	**C**

Independently Verified: BSRIA Report 61077/9

P010

NRC **.55-.60**
Class **D**

Dimensions:
Perf **8mm**
Centre X **32mm**
Centre Y **32mm**
Diamond



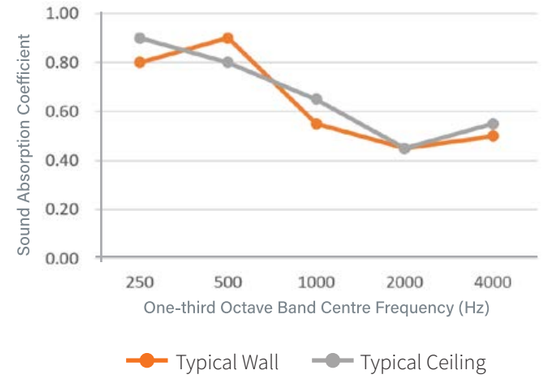
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.85	0.90
500	0.75	0.70
1000	0.35	0.45
2000	0.25	0.30
4000	0.35	0.40
NRC	**0.55**	**0.60**
αw	**0.35(L,M)**	**0.40(L,M)**
Class	**D**	**D**

Independently Verified: BSRIA Report 61077/10

P011

NRC **.70**
Class **D**

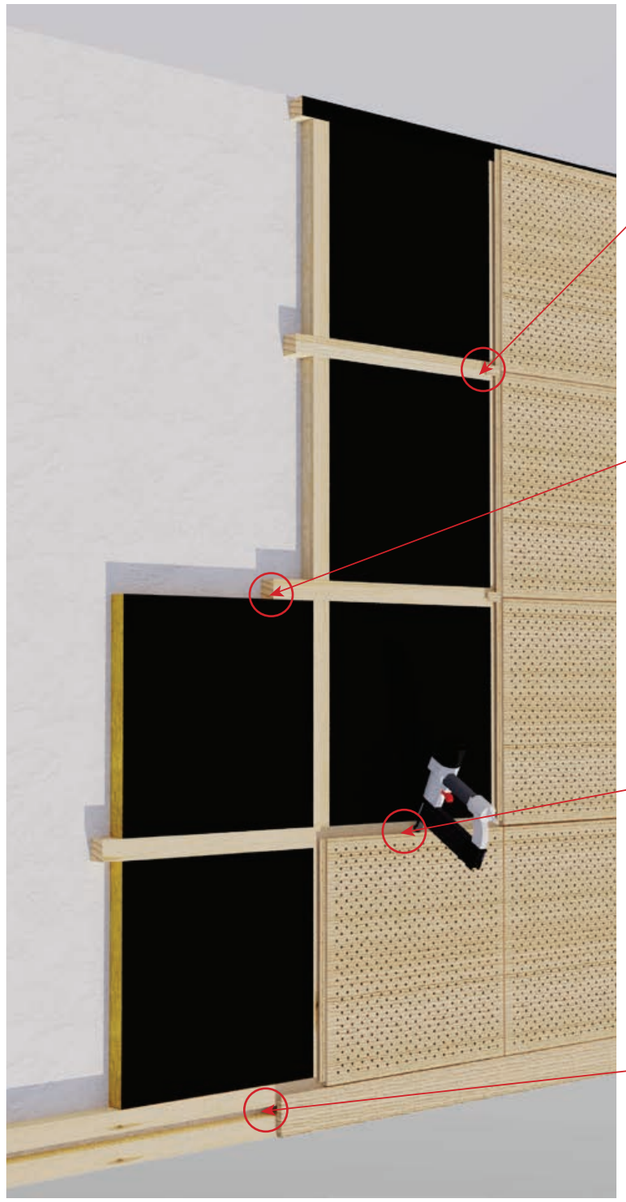
Dimensions:
Perf **8mm**
Centre X **32mm**
Centre Y **32mm**
Diamond

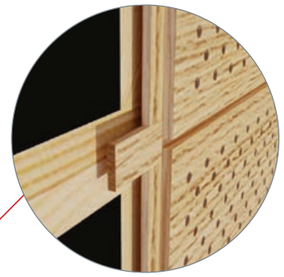


Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.80	0.90
500	0.90	0.80
1000	0.55	0.65
2000	0.45	0.45
4000	0.50	0.55
NRC	**0.70**	**0.70**
αw	**0.55 (L,M)**	**0.55 (L,M)**
Class	**D**	**D**

Independently Verified: BSRIA Report 61077/11

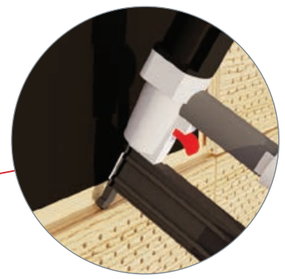
PANEL SYSTEM P1



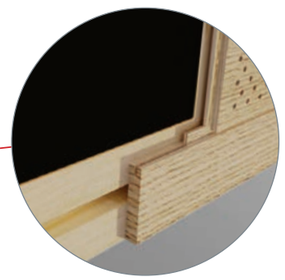


Loose tongue with specified face finish.
26mm x 5mm, creating 6 mm shadow gap between tiles. These dimensions can be adjusted to your desired specifications.

50 x 50 mm softwood/MDF battens screwfixed to wall or partition at specified centres; 50mm black fleece faced rockwool installed between battens. For best results, paint batten faces black.

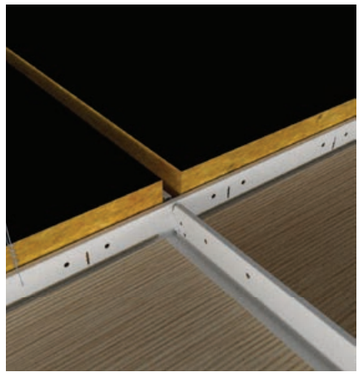


Pin and glue panels to wall battens.

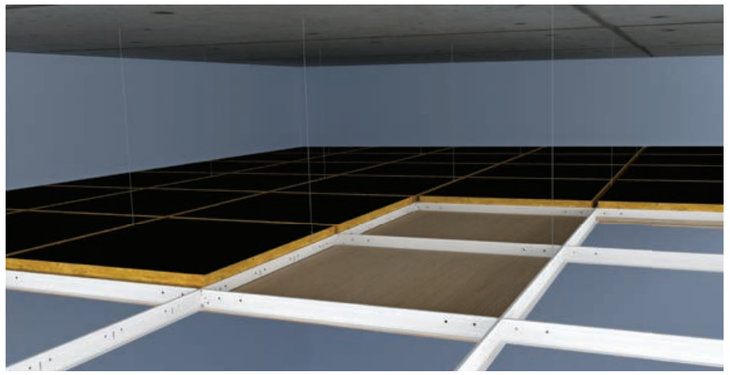


18mm solid skirting pinned and glue fixed to wall battens.

PANEL SYSTEM P3



Panels profiled to edge and suspended from T-section ceiling grid.



Black fleece faced rockwool positioned directly above tiles.

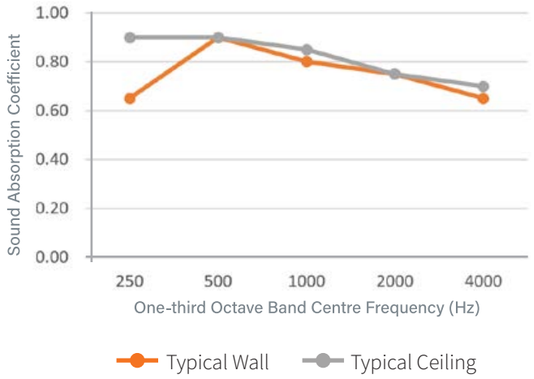
- Multiple profiles available
- Tiles are fully removable using a “lift and shift” motion.

MICROPERFORATED ACOUSTIC PANELS

MP01

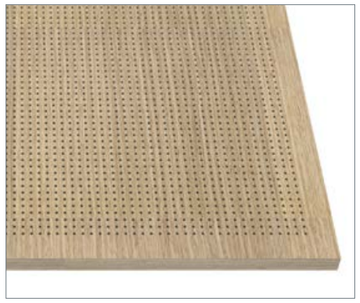
NRC **.80 - .85**
Class **B**

Dimensions:
Perf **2mm**
Centres **4mm**



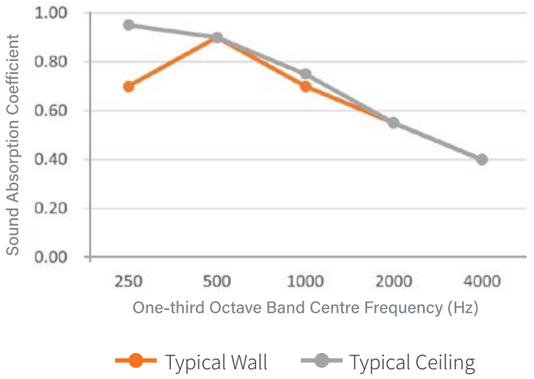
Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	0.65	0.90
250	0.90	0.90
500	0.80	0.85
1000	0.75	0.75
2000	0.65	0.70
4000	0.80	0.85
NRC	**0.80**	**0.85**
αw	**0.80**	**0.80 (L)**
Class	**B**	**B**

MP02



NRC **.70 - .80**
Class **D**

Dimensions:
Perf **3mm**
Centres **8mm**

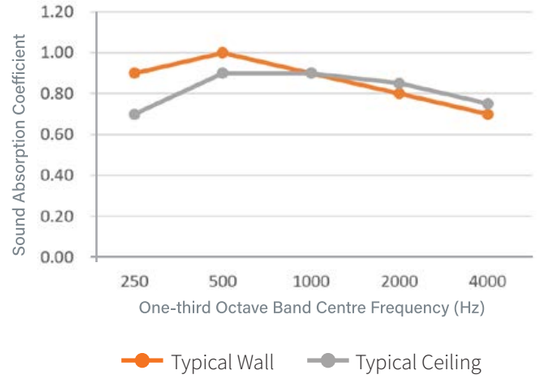


Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.70	0.95
500	0.90	0.90
1000	0.70	0.75
2000	0.55	0.55
4000	0.40	0.40
NRC	**0.70**	**0.80**
αw	**0.55 (L,M)**	**0.55 (L,M)**
Class	**D**	**D**

MP03

NRC **.85 -.9**
Class **B**

Dimensions:
Perf **0.5 mm**
300,000/m²

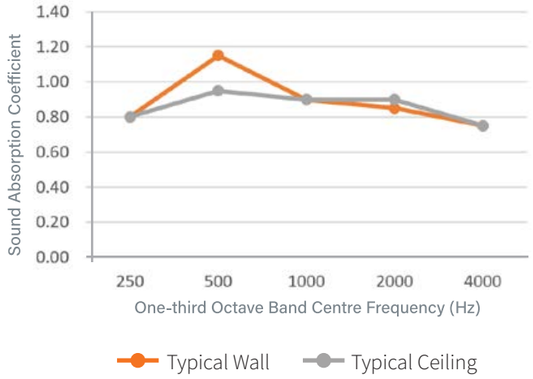


Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral wool	50mm	50mm
Rear cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.90	0.70
500	1.00	0.90
1000	0.90	0.90
2000	0.80	0.85
4000	0.70	0.75
NRC	**0.90**	**0.85**
αw	**0.80**	**0.80**
Class	**B**	**B**

MP04

NRC **.90**
Class **B**

Dimensions:
Perf **0.5 mm**
300,000/m²



Sound Absorption Values		
Setup	**Typical Wall**	**Typical Ceiling**
Facing panel	19mm	19mm
Mineral Wool	50mm	50mm
Rear Cavity	0mm	200mm
Overall depth	69mm	269mm
Frequency	αs	αs
250	0.80	0.80
500	1.15	0.95
1000	0.90	0.90
2000	0.85	0.90
4000	0.75	0.75
NRC	**0.90**	**0.90**
αw	**0.85**	**0.85**
Class	**B**	**B**

Clongowes Wood College | Wejchert Architects

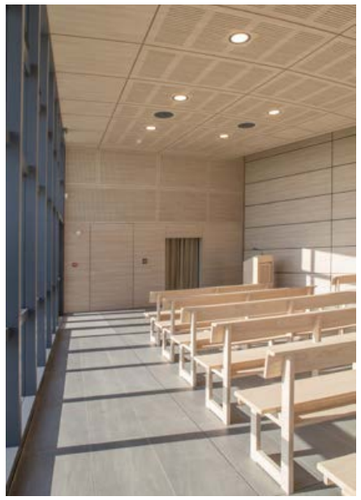
SLOTTED

Our slotted panels offer excellent performance values in a range of standard designs, delivering a visually warm, acoustically sound space.

These panels can be manufactured to a broad range of specifications and customisations and are equally suitable for ceilings and walls.

Slotted panels in action...

Dardistown Crematorium | Wejchert Architects; Clongowes Wood College | Wejchert Architects

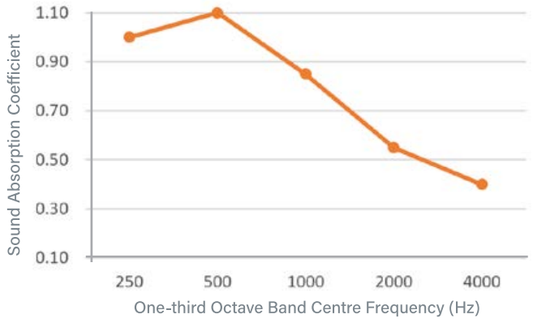


SLOTTED ACOUSTIC PANELS

S001

NRC **.90**
Class **D**

Dimensions:
Slot **8 x 136mm**
Centre X **190mm**
Centre Y **32mm**

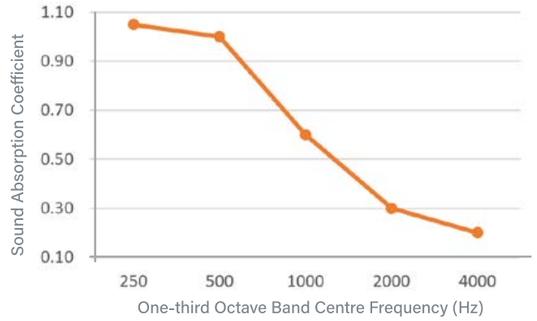


Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	1.00
500	1.10
1000	0.85
2000	0.55
4000	0.40
NRC	**0.90**
αw	**0.55 (L,M)**
Class	**D**

S002

NRC **.75**
Class **D**

Dimensions:
Slot **6 x 68mm**
Centre X **128mm**
Centre Y **32mm**

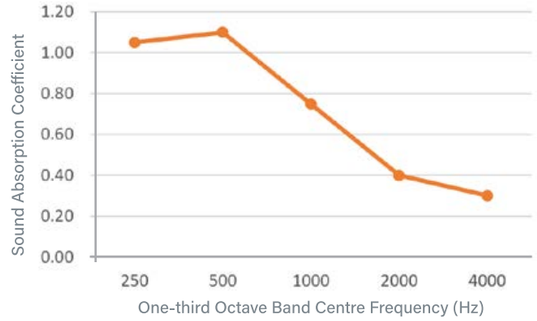


Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	1.05
500	1.00
1000	0.60
2000	0.30
4000	0.20
NRC	**0.75**
αw	**.35(L,M)**
Class	**D**

S005

NRC **.80**
Class **D**

Dimensions:
Slot **8 x 100mm**
Centre X **184mm**
Centre Y **32mm**

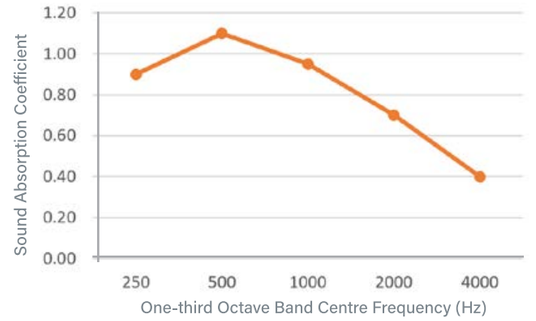


Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	1.05
500	1.10
1000	0.75
2000	0.40
4000	0.30
NRC	**0.80**
αw	**.45(L,M)**
Class	**D**

S017

NRC **.90**
Class **D**

Dimensions:
Slot **8 x 50mm**
Centre X **80mm**
Centre Y **16mm**



Sound Absorption Values	
Setup	**Typical Wall**
Facing panel	19mm
Mineral wool	50mm
Rear cavity	0mm
Overall depth	69mm
Frequency	αs
250	0.90
500	1.10
1000	0.95
2000	0.70
4000	0.40
NRC	**0.90**
αw	**.55(L,M)**
Class	**D**

CUSTOM SOLUTIONS

In addition to our best-in-class standard systems, Woodfit are an extremely capable custom operator.

Woodfit have successfully completed custom designed projects across the globe, especially in the area of concert halls and auditoriums and have a proven track record of delivering on time, to the highest quality standards.

LinkedIn Headquarters, Dublin | RKD Architects

FACILITIES & CAPABILITIES

60,000 ft²
Manufacturing Plant

50+
Employees

40 Years
in Business

25+
Countries

QUALITY + CAPABILITY

Woodfit have the skills, experience and facilities to deliver on projects of scale and complexity. Whether working on the most complex of structures or the finest of details, we guarantee exceptional quality, every time.

Knock Basilica | Wejchert Architects

SUSTAINABILITY

In almost 40 years in business, we have seen the sustainability movement grow from niche to industry standard. In this time, we have worked to ensure we remained constantly ahead of the curve and we remain committed today!

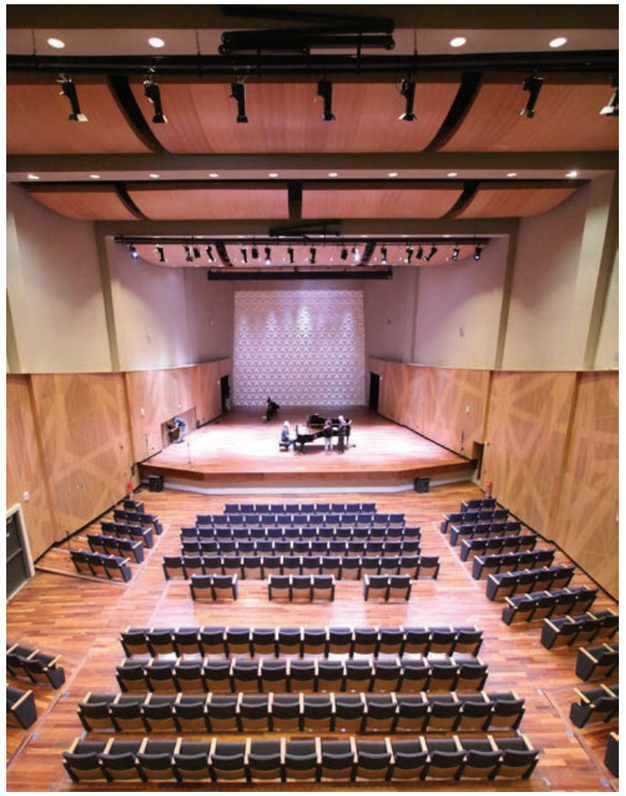
Driven by our vision for a greener company, we have adapted, both within our own operations, and in the suppliers we work with. This approach has seen us constantly improve our green credentials through increased efficiencies, waste management and supply chain improvement.

FSC
www.fsc.org
FSC® C103807
The mark of responsible forestry

More Projects...

King Saud University, Saudi Arabia

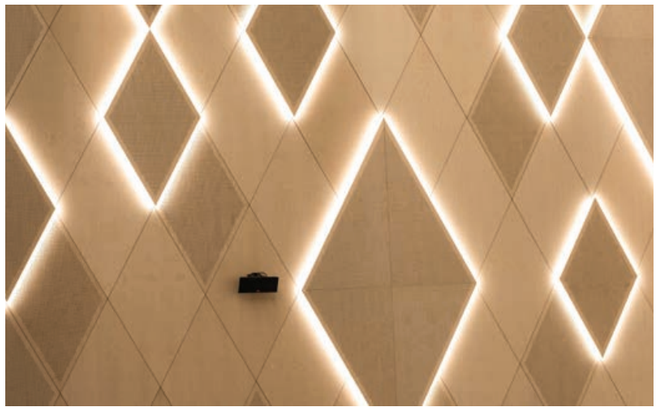
Sala Cecilia Merireles, Brazil

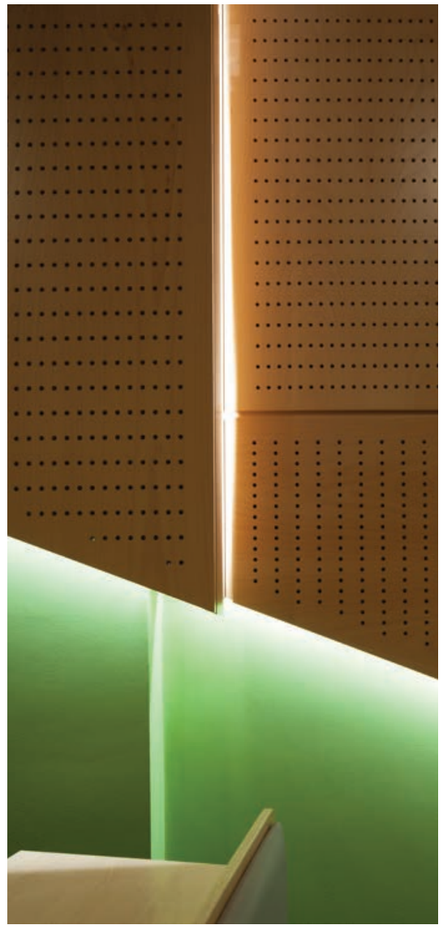


More Projects...

Limerick Court House; Jerome Hynes Theatre, Ireland

Sligo IT Lecture Hall; Ministry of Foreign Affairs, Saudi Arabia





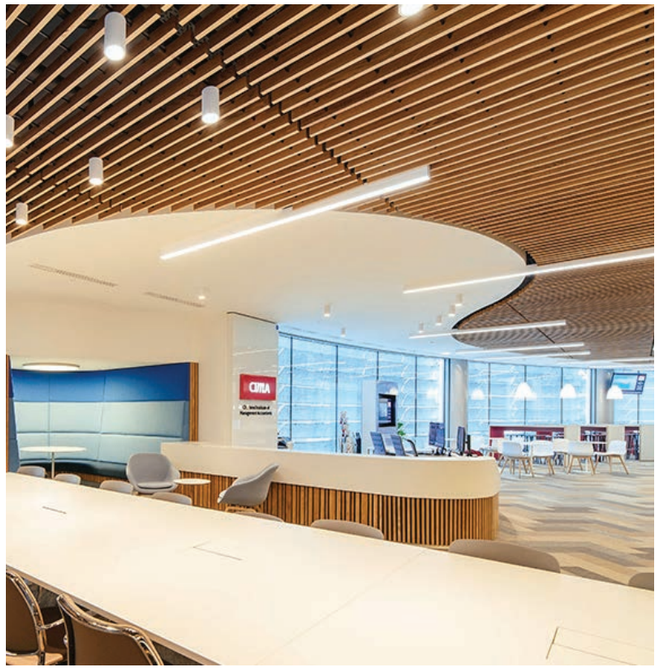
More Projects...

3 Park Place, Dublin, Ireland

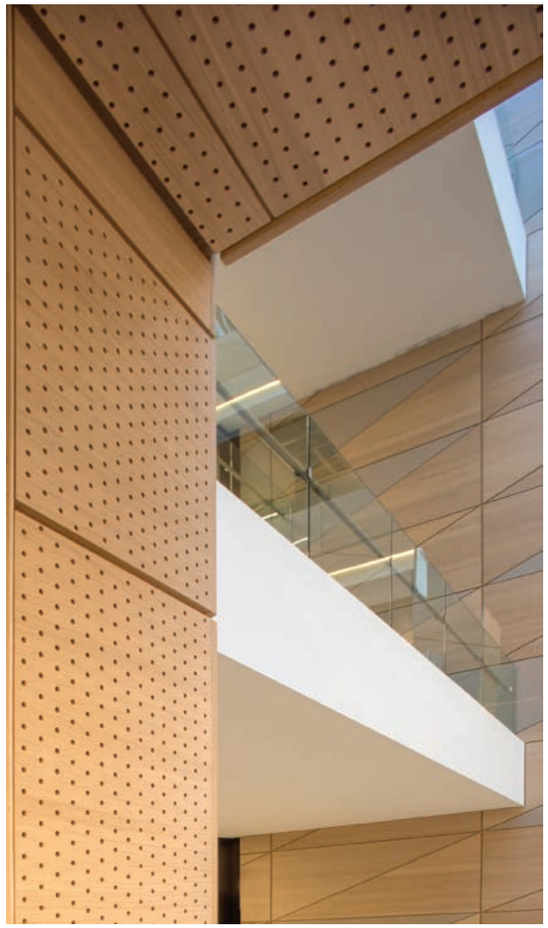
Eaton HQ, Ireland

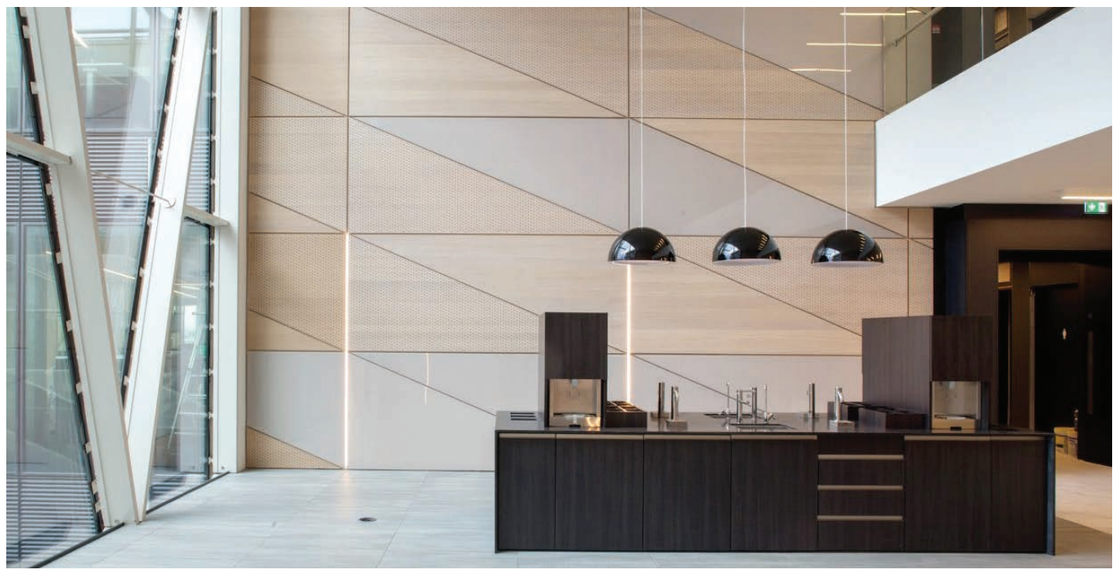
More Projects...

CIMA Headquarters, London



Central Bank of Ireland

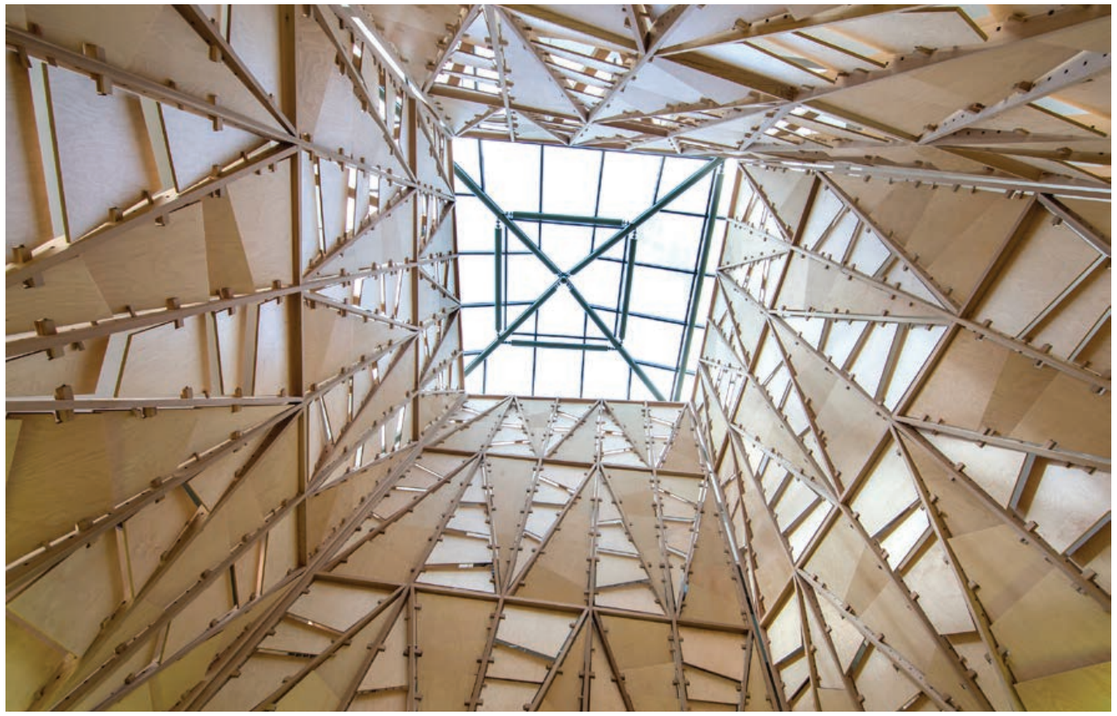




More Projects...

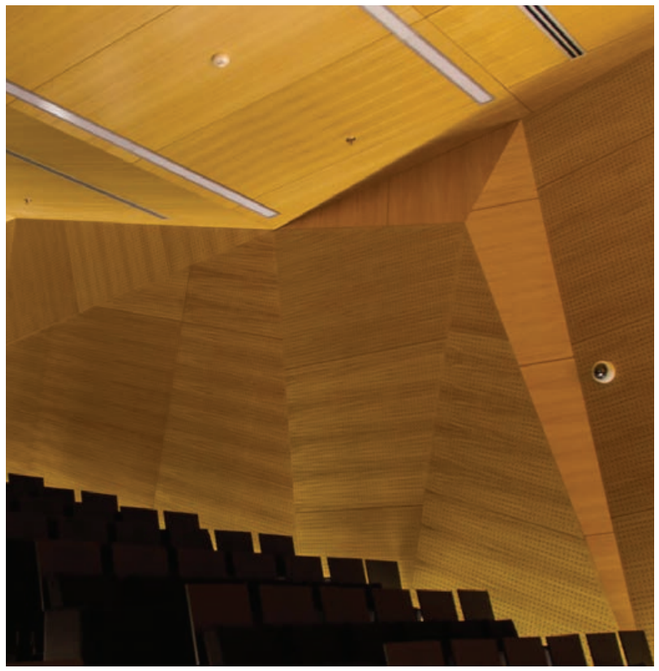
Landsdowne Place, Ireland

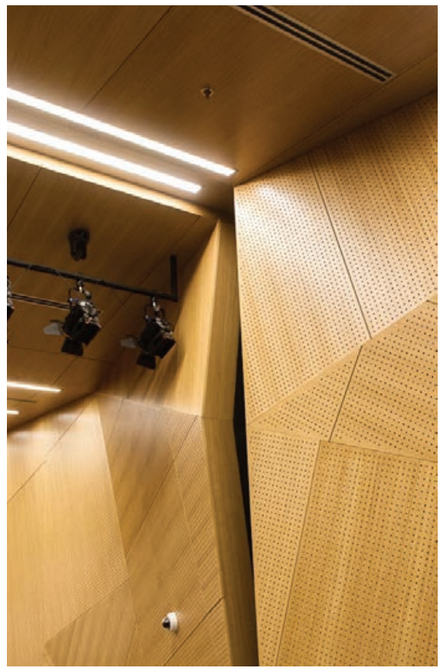
Buvinda House, Ireland; Botanical Gardens Palm House, Ireland



More Projects...

BBVA Auditorium, Argentina





The Helix, Ireland; Royal Guard of Oman, Oman

Helix Theatre | Wejchert Architects

Image: 3 Park Place | TODD Architects

Some of our Clients:

Woodfit Acoustics · Moydrum Road, Athlone, Co. Westmeath, N37 E928, Ireland
IE: +353 (0) 90 647 8555 · **UK:** +44 (0) 20 3151 9723 · info@woodfitacoustics.com · www.woodfitacoustics.com