



# SUPACOUSTIC

## MODULAR ACOUSTIC PANEL SYSTEM

Specification guide for walls, ceilings and rafts



# YOUR WALL AND CEILING EXPERTS

Saving you time, money and worry.

EXCEPTIONAL WALL AND CEILING SYSTEMS, DESIGNED AND BUILT BY US, WITH PASSION, SKILL AND DEDICATION

## LEAVE IT TO US

We're experts at what we do so you're in safe hands. Walls and ceilings can be surprisingly complex. Rely on us to look after all the details - saving you time, money and worry.

- > We work with you to develop **bespoke ideas and solve design challenges** to create **stunning results** for your special interior.
- > We **love what we do!** We are passionate about **Making Spaces Matter** – and we have fun while we do it.
- > **Locally made** in our Cornwall factory, guaranteeing quick response times and reliable delivery.
- > Our **in-house CAD capabilities** enable us to **3D model** complex ceilings and walls to ensure precise interface with support work and other elements, helping your project run smoothly.
- > We use our **technical expertise** to incorporate access requirements and service integrations to best effect - whether by fully accessible systems or specific purpose-made access hatches.
- > Where projects require a detailed **drawing package** (setting out drawings, installation sequence and critical detailing), our experienced draughtsmen will **look after it all**.
- > With every project, you are assigned one of our **dedicated Project Leaders**. Their role is to liaise with you and our production team, bringing your design to life.
- > Your Project Leader will **guide you through the process** from initial order, through drawings approval and will provide support and advice for your installation - we're here to **help you every step of the way**.





"THE SERVICE AND HELP WE  
HAD FROM THE TEAM AT VTEC  
WAS FIRST CLASS. EVERYONE I  
SPOKE TO WAS VERY HELPFUL  
AND THE PROJECT RAN  
SMOOTHLY... I AM VERY HAPPY  
WITH THE END RESULT."





# INTRODUCING SUPACOUSTIC

Our UK-manufactured, made-to-measure perforated acoustic panel system provides excellent creative scope for the design of functional spaces, where **great looks** and **acoustic performance** are a priority.

## 1 Excellent acoustics

Install a perforated **Supacoustic** ceiling or soft board acoustic backing to achieve acoustic absorption.

## 2 Visual impact

Bespoke sizing, finishes and patterns enable you to create the perfect aesthetics and atmosphere for your space.

## 3 Easy access to services

**Supacoustic** panels can be fully demountable or designed with integrated access hatches for discreet, easy access to services.

## 4 Excellent service integration

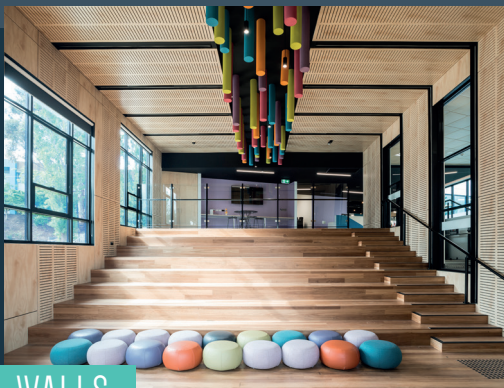
Our **Supacoustic** system can incorporate different integration requirements with ease including lighting, ventilation, fire detection systems and other services.

## 5 Quick installation

The modular **Supacoustic** system is designed for simple installation. It is supplied fully finished with fixing cleats and detailed installation instructions.

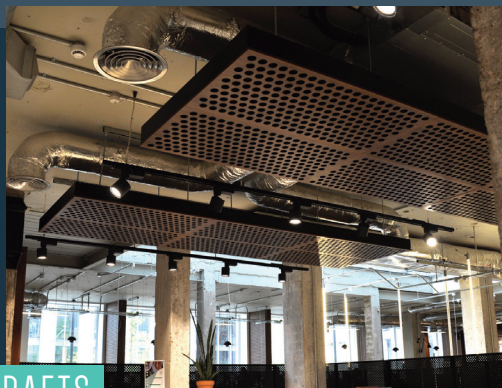






## WALLS

Add visual interest and acoustic performance.



## RAFTS

Zone a specific area.

Supacoustic feature ceiling with a **Redwood finish** for an office reception and breakout area.



## CEILINGS

Create a unique modular ceiling with ease.

Supacoustic Custom Panels in Supalami Gloss White for multiple meeting rooms in a London hotel.



## BESPOKE SHAPES & CURVES

Mix it up! Play with direction, size and colour..



## QUICK INSTALLATION

Create impact without compromising on functionality.



## SERVICE INTEGRATION

Integrate services with ease.

Supacoustic panels in Birch FR laminate in a celebrated University, incorporating audio-visual, lighting and ventilation requirements.



## COMPATIBLE INSTALLATION

Fits to a wide range of suspension systems.

Install to proprietary suspension system - fits to wide range of proprietary systems including Unistrut, MF, Ply pattress etc.



## DEMOUNTABLE FOR ACCESS

Discreet and easy access to services.

Supacoustic SP2 panels in Oak FR Laminate in prestigious Shard offices. Installed using our unique push-fit install system.



# WHAT ARE SUPACOUSTIC PANELS?

The perforated acoustic panel system that provides excellent creative scope for the design of functional spaces, where acoustic performance is a priority.

There is no such thing as a standard size  
**Supacoustic panel** - sizes are tailored to suit your project dimensions!

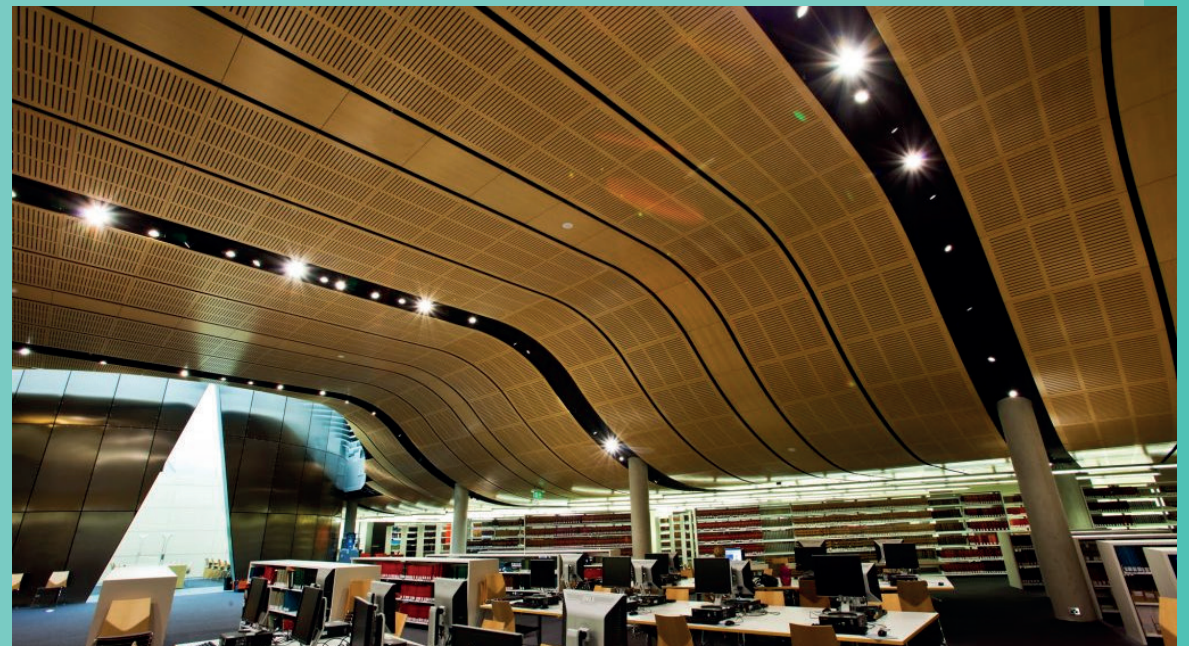
- > Almost limitless range of factory-applied finishes
- > Custom sizes, design and finishes
- > Also available in standard sizes to suit 60 cm modules where laid in ceiling grid
- > Installation kits for ease of installation
- > Varied sound absorption coefficients from 0.45 to 0.90 NRC
- > Available in standard and FR Grades







TAILOR-MADE OR MODULAR,  
THE IDEAL ACOUSTIC PANEL  
SYSTEM FOR WALLS AND  
CEILINGS, DESIGNED FOR  
QUICK INSTALLATION









# SPECIFYING SUPACOUSTIC

- 1 CONSIDER THE APPLICATION
- 2 CONFIRM PANEL SIZE
- 3 SELECT PERFORATION STYLE
- 4 SELECT CORE COLOUR
- 5 SELECT FINISH
- 6 SELECT ACOUSTIC BACKING
- 7 SELECT FR CLASS
- 8 SELECT FSC® CERTIFIED
- 9 CONSIDER ACCESS & SERVICE REQUIREMENTS
- 10 SELECT INSTALLATION METHOD

# SUPACOUSTIC CONFIGURATION

Configure your Supacoustic system in **ten** easy steps:

## 1 CONSIDER THE APPLICATION

Whether you're creating a large-scale ceiling or an acoustic wall, Supacoustic is custom made to your specific requirements, providing unparalleled creative scope.

CEILING

SUSPENDED RAFT

WALLING SYSTEM

COMBINATION OF THE ABOVE



## 2 CONFIRM PANEL SIZE

The optimum panel size for your project depends on the dimensions and installation requirements of your space. These sizes are a guide. Panels are very adaptable and we will work with you to establish the most efficient size.

### A – PANEL DIMENSIONS

Individual panels are limited to 3 metres x 1200mm but infinite length can be realised using our adaptable and discreet modular system.

For a T24 ceiling grid, typical panel dimensions are usually to suit modules of 600mm x 600mm or 600mm x 1200mm.

The typical panel sizes (right) are proven to be the most efficient size, ensuring a cost-effective acoustic solution that is easy to install and yields minimal wastage.

### B – THICKNESS

The standard core material is 12mm thick. However, dependent on the requirements, different core materials, colours and thickness can be used.

### C – BESPOKE SIZING

We provide tailored design support for bespoke panels to suit your project, inclusive of a detailed 3D drawing package. Please contact our Technical Team on **03307 00 00 30** to discuss your requirements.

### TYPICAL PANEL SIZES

#### WIDTH

Up to 1200mm

#### LENGTH

Up to 3000mm

We can produce almost any panel size, however the most efficient dimensions are typically multiples of 600mm e.g.. 600 / 1200 / 1800 / 2400 / 3000mm.

### MODULAR SIZES FOR T24 GRID

Standard panel sizes (to fit a T24 grid) are:

**590MM X 590MM**

**1190MM X 590MM**

### PERIMETER INFILL PANELS AND OTHER BESPOKE SIZES

**PRODUCED TO SUIT YOUR  
SITE REQUIREMENTS**

### 3 SELECT PERFORATION STYLE

Choose from 14 standard perforation styles.

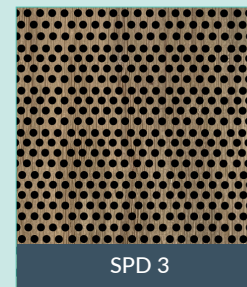
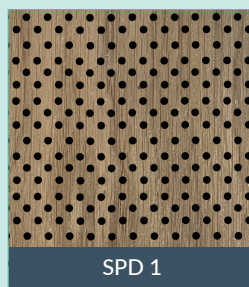
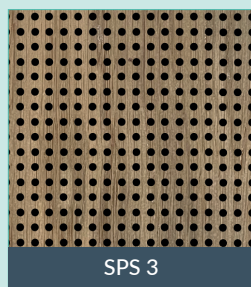
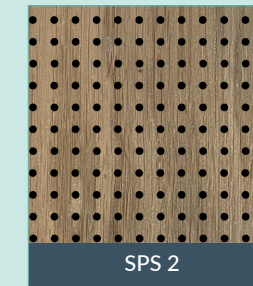
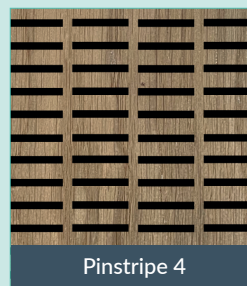
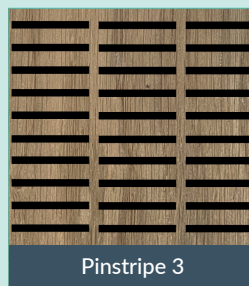
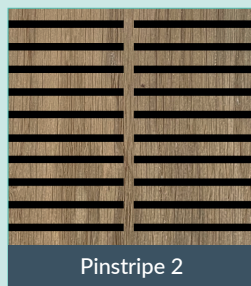
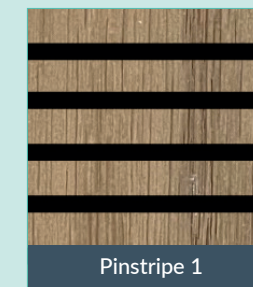
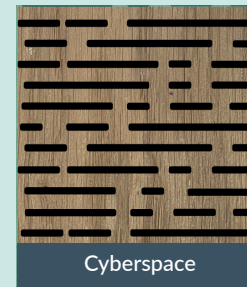
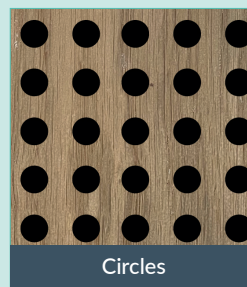
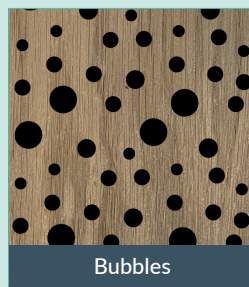
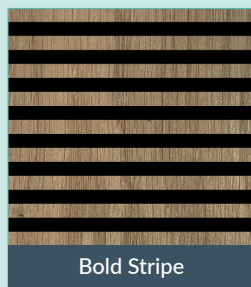
#### BESPOKE DESIGN

We provide **tailored design** support for **bespoke panels** to suit your project, inclusive of a detailed 3D drawing package. Please contact our Technical Team on 03307 00 00 30 to discuss your requirements.

#### OPTIONAL VEE-GROOVE

For added beauty and enhanced performance, select our optional Vee-Groove option.

NB. Not available for all perforation options.





## 4 SELECT CORE COLOUR

Choose the core colour of your modular panels.

Please note that the core colour may not be noticeable, especially in narrower perforations.

**BLACK - FR (FIRE RESISTANT) AND  
STANDARD GRADES**

**BUFF - STANDARD GRADES**

**PINK - FR GRADE (FIRE RESISTANT)**





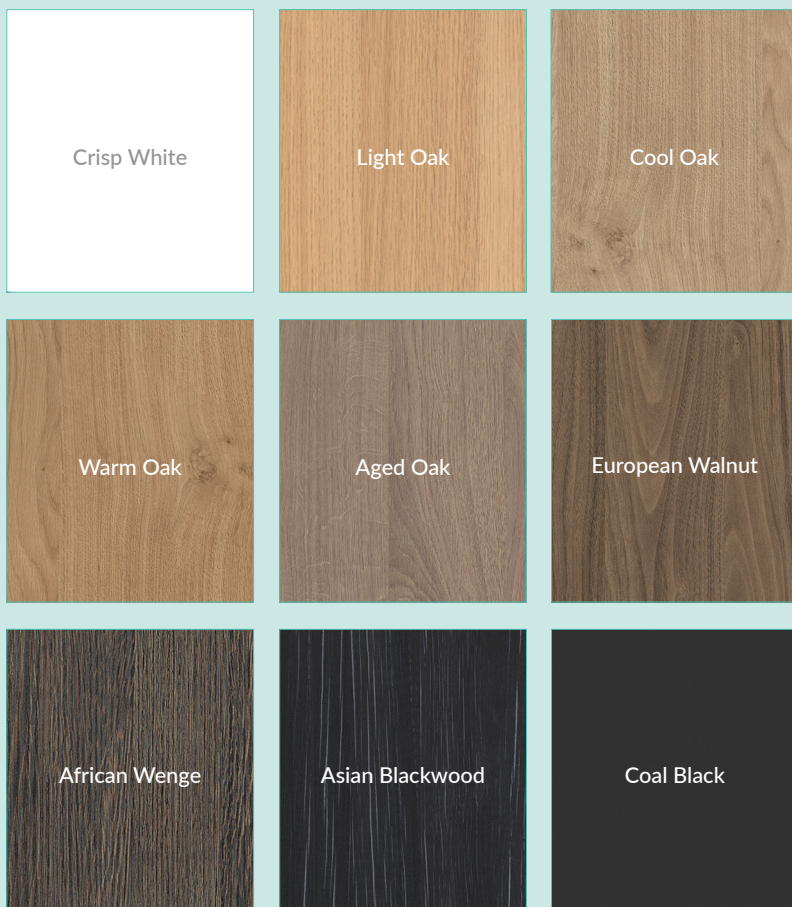




## 5 SELECT FINISH

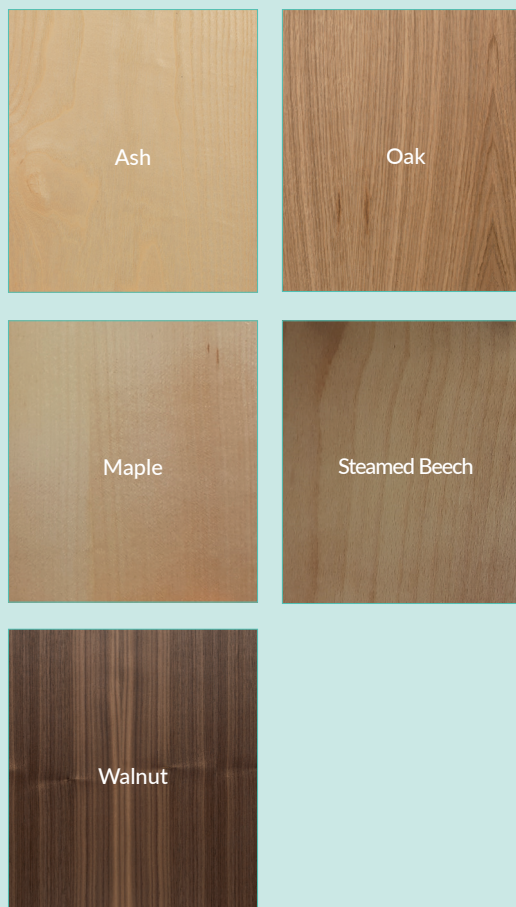
### SUPALAMI

High quality hard wearing laminate finish



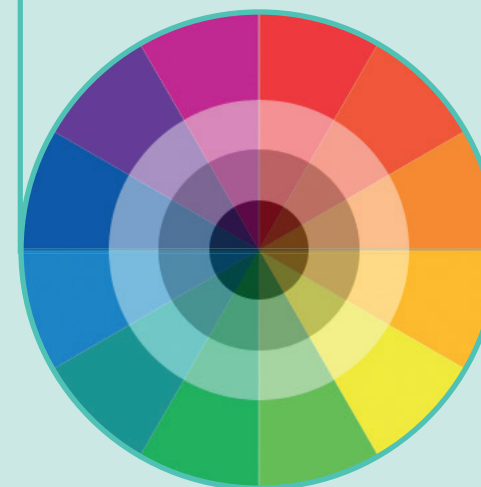
### SUPAVENEER

Beautiful natural timber veneers with a high quality, clear lacquer



### SUPACOLOUR

High quality spray-applied lacquer matched to almost any colour e.g. to a RAL or BS reference, in satin, gloss or matt



### CUSTOM FINISH

We can produce any other laminate or species veneer of your choice, as well as bespoke lacquer finishes including metallic



## 6 SELECT ACOUSTIC BACKING

Supacoustic panels are generally manufactured incorporating an Acoustic Backing Board to provide acoustic absorption.

### PANEL DESIGN

Supacoustic is a premium acoustic panel system with a high quality natural timber veneer or laminate finish, with premium grade black Integrated Acoustic Textile behind the panels.

#### INTEGRATED ACOUSTIC TEXTILE

Nominal 0.5mm - 1mm thick black absorber

#### NON-ACOUSTIC SOLID BACKING BOARD

Non acoustic - variable thickness depending on application or machined with slots only part way through the panel.

#### NONE - OPEN

Perforations are decorative only, with the open void and support work or solid ceiling visible above

Acoustic Absorption varies according to absorbing material, centres, beam height and void depth. Please speak to our Technical team for details and acoustic test data on **03307 00 00 30**.

## 7 SELECT FR CLASS

### FR CLASS REQUIRED

None / Class 1 / Class O

## 8 SELECT FSC® REQUIREMENTS

### FSC® CERTIFICATION

FSC® Certification required (FSC® C160047).

### NO CERTIFICATION

FSC® Certification not required.

Please talk to us about your specific requirements prior to quotation.



## 9 ACCESS & SERVICE INTEGRATION

FULLY REMOVABLE FOR ACCESS TO VOID

ACCESS HATCHES AT SPECIFIC LOCATIONS

HIDDEN DOORWAYS

LIGHTING

HVAC GRILLES

SMOKE DETECTORS & SPRINKLERS

AV SCREENS AND CABLING

Please contact us to discuss bespoke installation requirements on **03307 00 00 30**.





## 10 CHOOSE INSTALLATION METHOD

Our **Supacoustic panels** are designed to be simply and quickly installed, with standard methods being either Screw Fix or Click Fix (installed entirely from the front face of the panels) or to drop into a standard T24 ceiling grid.

The **Supacoustic** System is engineered to be fastened to almost any form of construction in a wide variety of situations.

### Ceilings and Rafts

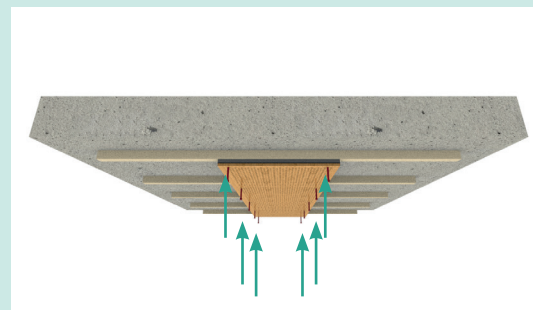
- › Timber rails and frames
- › Unistrut
- › Casoline MF
- › Timber board panels
- › T24 Ceiling Grid

## FOR CEILINGS AND RAFTS

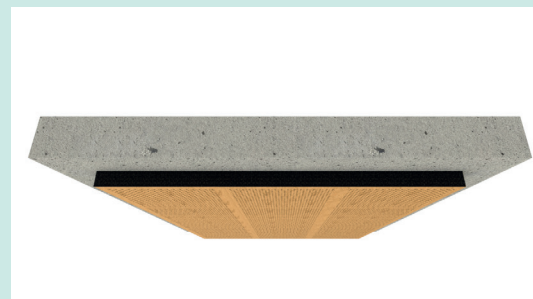
### SCREW FIX (CEILING)



- 1 Lift panel to pre-installed ceiling substrate/rails.



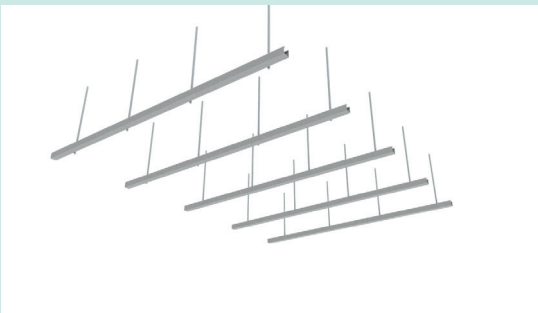
- 2 Screw through the panel backing directly to the substrate, using discreet black screws in the black gap between the slats.



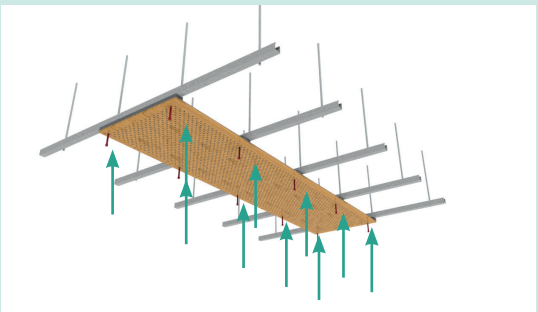
- 3 Repeat for remaining panels, cover edges with finishing strips if required.



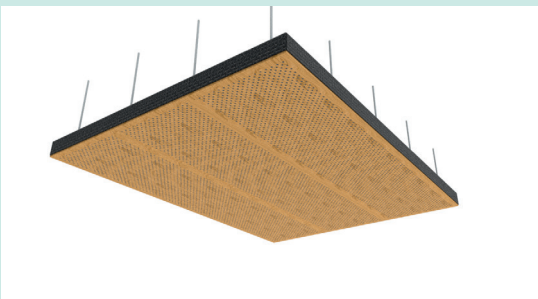
## SCREW FIX (RAFT)



- 1 Lift Panel to pre-installed supports (Unistrut, Timber or similar).

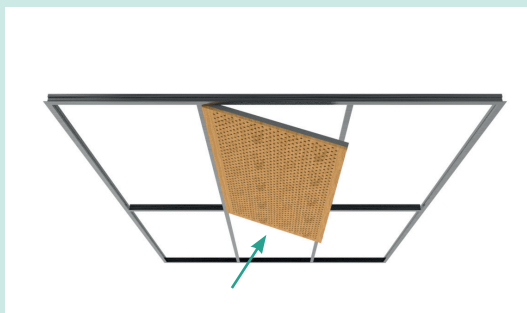


- 2 Screw through the panel backing directly to the substrate, using discreet black screws in the black gap between the slats.

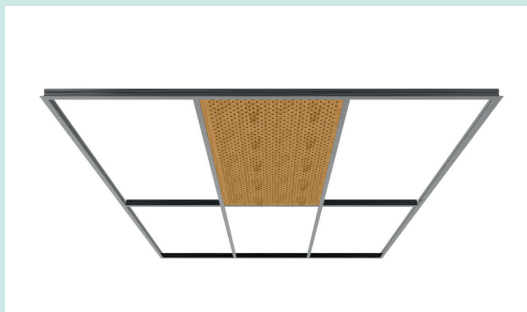


- 3 Repeat for remaining panels, cover edges with finishing strips.

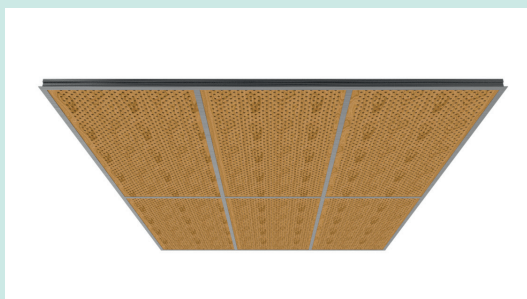
## DROP IN TILE (CEILING)



- 1 Tilt panel and lift one side up into the pre-installed grid.



- 2 Swing the other edge up into the grid, shift and drop panel slightly to engage with the grid.



- 3 Insert two safety screws per tile. Repeat for remaining panels.



# FOR WALLS

## FOR WALLS

**Supacoustic** can be fastened to almost any common wall construction using the methods outlined on the right, for example:

- › Concrete
- › Brickwork or block work
- › Timber stud partitions

For further advice regarding installing Supacoustic walls please contact our technical team on 03307 00 00 30.

NB. Panels can be fitted directly to some substrates and may not require rails – drawing is indicative only.

## CLICK FIX

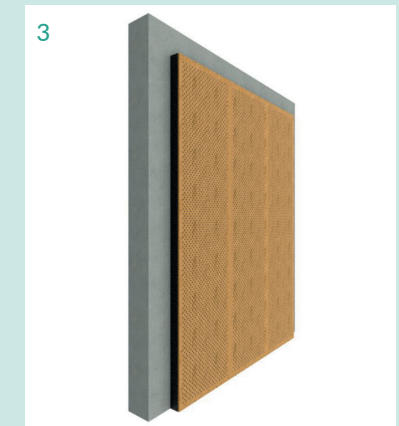
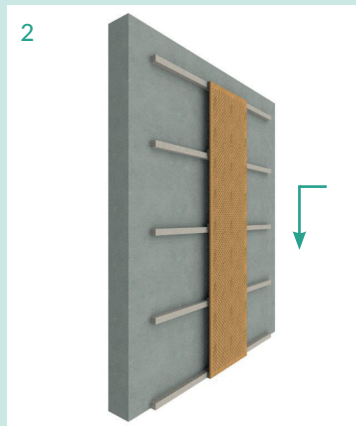
Best for: ease of access, discreet fitting



1. Fix the male parts to the wall substrate / rails, using the Click-Fix markers to position correctly.

2. Lift panels onto wall and "Click" into place, engaging the female parts on the rear of the panel.

3. Repeat for remaining panels, cover edges with finishing strips, if required.



## SCREW FIX DIRECT TO SUBSTRATE

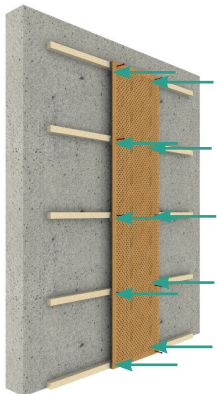
Best for: ease of access, discreet fitting

1



1. Lift Panel to pre-installed wall substrate/rails.
2. Screw through the panel packing directly to the substrate, using discreet black screws in the black gap between the slats.
3. Repeat for remaining panels, cover edges with finishing strips, if required.

2



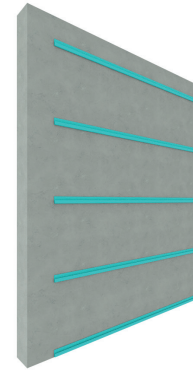
3



## HOCKEY STICK / SPLIT BATTEN

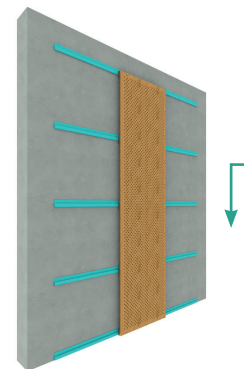
Best for: ease of access, discreet fitting

1

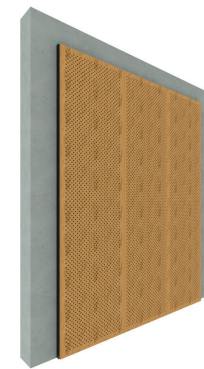


1. Install Hockey Sticks to wall substrate & Panel Rear in correct positions
2. Lift panels onto Hockey Sticks and lower to engage.
3. Repeat for remaining panels, cover edges with finishing strips if required.

2



3





# SUPACOUSTIC CEILINGS AT THE SHARD

## THE BRIEF

This was a complete office fit-out with emphasis on quality finish, acoustic performance and access integration.

The end client wanted to consolidate into a single office location, improve utilisation and building user satisfaction, as well as showcase their technology capability.

## ACOUSTIC CEILING SOLUTION

- › Supacoustic perforation style Dots 4 finished in a Fire Resistant Oak Effect Supalami laminate
- › Black acoustic backing to the rear of the panels to provides acoustic performance to absorb unwanted echoes in the office.
- › Technical challenges with angled ceilings and bespoke sizing to fit the exact specification.
- › Panels manufactured in bespoke sizes to suit.
- › No on-site cutting or finishing
- › Specific panels were installed with CAM locks to enable access to mechanical and electrical equipment for servicing M & E equipment







## END RESULT

Vtec's Supacoustic and MaxiBeam systems were combined in this modern, acoustic design. 600 people moved into these London offices in the iconic Shard building, which provides fully flexible working in an innovative workspace.

Proactive management ensured delivery on time, to cost and to the highest standards, ensuring a smooth relocation and business continuity.





# SUPACOUSTIC SYSTEM AT LEADING UNIVERSITY

## THE BRIEF

Vtec's Supacoustic panel system graces the ceiling in a new teaching facility at this leading London University. Surpassing stringent fire rating and acoustic stipulations, Supacoustic panels were specified to improve acoustics and control unwanted reverberation vital in this educational environment.

## BESPOKE CEILING SOLUTION

- › Supacoustic custom panels in a Supalami finish
- › Proven acoustic values - a 'must' for teaching areas
- › Incorporating bespoke details and access requirements into the panels
- › Pre-manufactured with cut-outs and provision for integrating air-conditioning, AV and lighting.
- › Quick, clean and simple installation out of term time







## END RESULT

Working with the install teams and their tight programme, Vtec produced and shipped the panels in time for the summer break so the ceiling could be fitted out of term time, in readiness for the new academic year.

The desired appearance and acoustic performance was achieved with the system providing both the efficiency of a modular principle and the adaptability to incorporate the service and access requirements.





# SUPACOUSTIC RAFT IN CO-WORKING SPACE

## THE BRIEF

This was a renovation project for a co-working space in Manchester's business district, where enhanced acoustic performance was a key requirement. The design respects the building's architectural heritage and industrial feel by leaving the services and concrete frame exposed.

## COST-EFFECTIVE RAFT SOLUTION

- › Supacoustic panels in Circle design, with SL-8606-R Supalami walnut finish.
- › Black acoustic backing for acoustic performance.
- › Vtec's extensive selection of finishes and custom capabilities ensured the panels perfectly matched other walnut elements of the design.
- › Raft design ensured easy installation, whilst providing permanent access to all services.





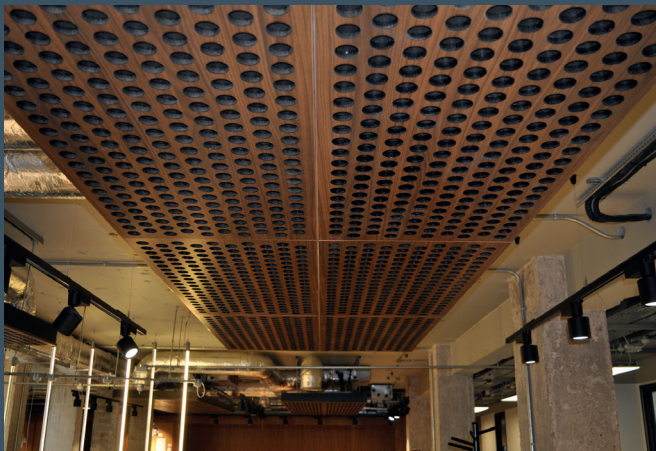


## END RESULT

The combination of modular panels used in suspended rafts presented a simple and effective solution, which significantly cut refurbishment costs and installation time whilst still achieving required acoustic performance.

The rafts allow for easy maintenance of existing services and hassle-free future integrations, such as lighting.

Supacoustic panels complement the use of wood panelling and custom-built furniture and help to soften the atmosphere. The warm walnut finish was matched to the rest of the wooden elements on site, creating a consistent look.





# VTECGROUP.CO.UK

Contact our technical team to discuss your application, samples or other questions.

We're here to help.

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**Head Office and Manufacturing** Vtec Group Ltd, Unit 3  
Cooksland Industrial Estate, Bodmin, Cornwall, PL31 2QB

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Call	03307 00 00 30
Email	<a href="mailto:sales@vtecgroupp.co.uk">sales@vtecgroupp.co.uk</a>
Visit	<a href="http://vtecgroupp.co.uk">vtecgroupp.co.uk</a>

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MAKING  
SPACES  
MATTER