



MICROSLAT

MODULAR WOOD STYLE PANEL SYSTEM

THE COST EFFECTIVE WOOD STYLE PANEL SYSTEM FOR WALLS, CEILINGS AND RAFTS.



Easy to Imagine
Easy to Specify
Easy to Install





We are Manufacturers and Technical Specialists.

Vtec's team of experts help to bring architectural designs to life. Walls and ceilings are surprisingly complex, so rely on us to look after all the details - saving you time, money, and worry.

- We work with you to **bring your ideas to life** and **solve design challenges**.
- Vtec Group are **UK manufacturers** of adaptable systems in our Cornwall factory. We provide expert knowledge, quick response times and reliable delivery.
- Our Technical Team's **capabilities** include **3D modelling** for complex ceilings and walls, ensuring precise interfaces with other elements - where needed.
- We **coordinate integration of services and access** requirements where required.
- **Detailed drawing packages** include setting-out drawings, installation sequence and critical detailing can be provided.
- Our dedicated **Project Leaders** liaise with designers, installers and our Production Team to keep the dots connected.
- We're here to **guide you through the entire process** - from initial concept and design to support and advice for the installation.

What is MicroSlat?

The fully compliant, affordable slatted wood-style panel solution for on-site cutting.

MicroSlat presents creative flexibility and simple installation. Its integral acoustic backing provides superior auditory performance, fulfilling a stunning and fully functional system that meets 5 key concerns, **compliance, creativity, integration, sound control** and **cost-effectiveness**.



The background of the page is a wall with vertical wooden slats. In the foreground, there are several yellow acoustic panels, some of which are out of focus. The text is overlaid on the left side of the image.

OUR PROVEN SYSTEMS ARE ADAPTABLE
AND PROVIDE BESPOKE ACOUSTIC WALL
AND CEILING OPTIONS:

- TAILORED TO SUIT YOUR PROJECT
- HIGH VISUAL IMPACT
- UNRIVALLED FR & ACOUSTIC PERFORMANCE

MICROSLAT

The **MicroSlat** range is a modular slatted panel system that offers the visual appeal of wooden style slats with cost-effective finishing options, fully assembled range tested fire certification to Euroclass B, rapid installation and acoustic performance. It can be installed to allow future access to services.

Choose a high-quality slatted wall and ceiling solution that is compliant, designed for simple installation and easy access.

WHAT ARE THE BENEFITS?

- **FR - The MicroSlat range is classified as Euroclass B**
- **Rapid and Easy to Install**
- **Flexible modular system** for easy on-site cutting
- **Over 8,000 standard design configurations**
- **Standard size-** 3000mm tall X 600mm wide
- **Simple to Specify** – *(Select Panel size, Pattern and Finish)*
- **Quick Quotes in hours** - *(Just advise Quantity and Spec Details)*
- Manufactured in **Cornwall, UK**
- **FSC® Certified options**
- **Premium black** or optional coloured **Acoustic Backing**

MicroSlat is produced in standard panel sizes to be cut to fit on site as required for economy. If you require bespoke sizes, or service integration to be incorporated, please contact us to discuss.





1 INSTANT VISUAL IMPACT WITH FR COMPLIANCE

A range of standard sizes and finishes with over 8,000 standard options, the range is tested and classified as Euroclass B.

2 IMPROVED ACOUSTICS

MicroSlat's acoustic absorbency facilitates the creation of superior auditory conditions.

3 EASY ACCESS TO SERVICES

MicroSlat can be demountable or designed with integrated access hatches for discreet, easy access to services.

4 EXCELLENT SERVICE INTEGRATION

Our MicroSlat system can easily be cut and adapted on site to incorporate lighting, heating, fire detection, ventilation systems and other services with ease.


5 QUICK INSTALLATION

The MicroSlat system is designed for simple installation. It is light and easy to adapt on site, supplied with integrated fixing provision and detailed installation instructions.



SPECIFYING MICROSLAT

- 1 CONSIDER THE APPLICATION
- 2 SELECT SLAT OPTIONS
- 3 SELECT FINISH
- 4 SELECT ACOUSTIC BACKING COLOUR
- 5 FSC® CERTIFICATION
- 6 CONSIDER ACCESS & SERVICE REQUIREMENTS
- 7 SELECT INSTALLATION METHOD



MICROSLAT CONFIGURATION

Configure your MicroSlat System in seven easy steps:

1 CONSIDER THE APPLICATION

Whether you're creating a large-scale ceiling or a statement feature wall, MicroSlat is designed to be easy to install, providing excellent visual impact very quickly.

CEILING

SUSPENDED RAFT

WALLING SYSTEM

COMBINATION OF THE ABOVE

2 SELECT SLAT OPTIONS

A – STANDARD SLAT SIZES & SPACING

Choose from 11 standard MicroSlat FR options:

- Slat Widths (mm): 30, 50, 70
- Spacings (mm): Gaps between panels vary from 10-100mm

Product Codes (shown on the right) present the slat width first, followed by spacing in mm.



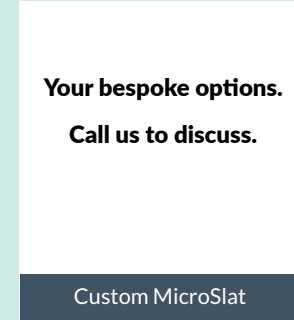
MicroSlat 30-10



MicroSlat 30-45



MicroSlat 30-70



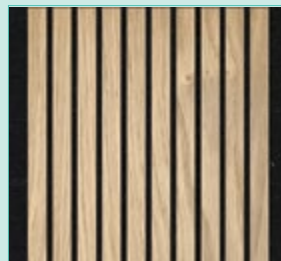
B – STANDARD PANEL SIZES

3000 x 600

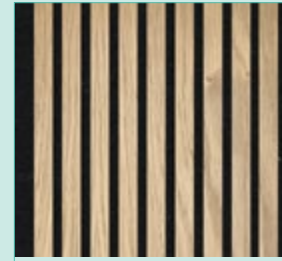
C – PANEL THICKNESS

- Budapest Black Acoustic Backing = nominal 23mm thick (14mm thick slat + 9mm thick backing)

- Coloured Acoustic Backing = nominal 26mm thick (14mm thick slat + 12mm thick backing)



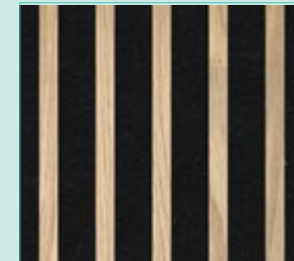
MicroSlat 50-16



MicroSlat 50-25



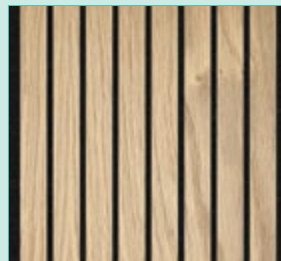
MicroSlat 50-70



MicroSlat 50-100

BESPOKE OPTIONS

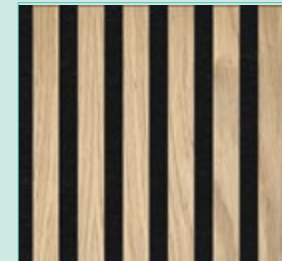
MicroSlat is produced in standard panel sizes to be cut to fit on site as required for economy. For bespoke options, we can offer made to measure services, like varying slat material and width, finish, spacings and panel sizes.



MicroSlat 70-16



MicroSlat 70-30



MicroSlat 70-50



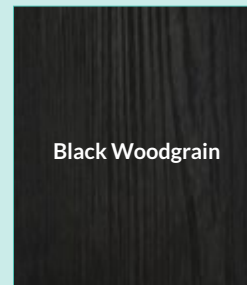
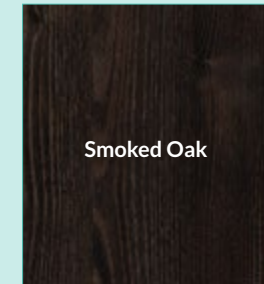
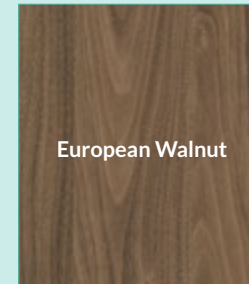
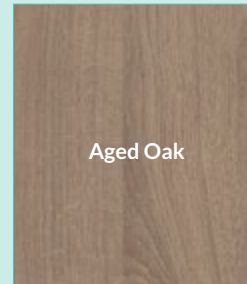
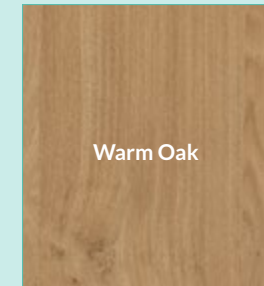
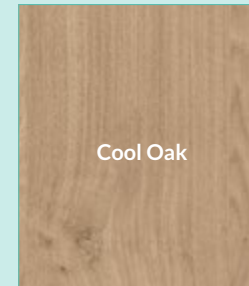
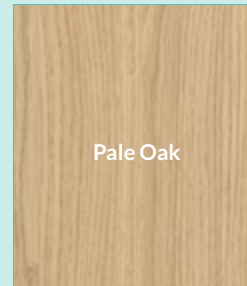
MicroSlat 70-80



3 SELECT FINISH

SUPALAMI

High quality hard wearing laminate finish
Anti-microbial surface available for face of slats.



Custom Finishes
Please chat with us about any specific colour choices.

4 SELECT ACOUSTIC BACKING COLOUR

MicroSlat panels are backed with a premium Acoustic Backing Board to help absorb unwanted reverberation.

Budapest Black Acoustic Backing

- Thickness = 9mm thick

All other coloured Acoustic Backings

- Thickness = 12mm thick

Please note that the coloured acoustic backing is 2400mm in length. Therefore for MicroSlat 3000mm panels there is a butt join on the acoustic backing. The slats are manufactured as 3000mm lengths.

The Acoustic Backing board is PET based and contains 60% recycled content and is 100% recyclable.

MicroSlat panels are backed with Acoustic Backing Board to help absorb unwanted reverberation.

Acoustic Absorption varies according to slat sizes, slat spacings, void depth and if further insulation is used.

For improved acoustic performance, create an air gap behind the panel, and for ever further improvement add rockwool insulation.

Please speak to our Technical team for details and acoustic test data.



OUR MOST POPULAR ACOUSTIC BACKING COLOUR - BUDAPEST BLACK



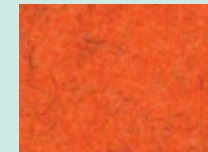
ROTTERDAM RED



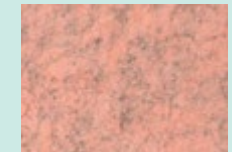
RICHMOND RED



ONTARIO ORANGE



OAKLAND ORANGE



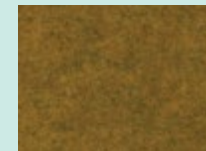
PANAMA PINK



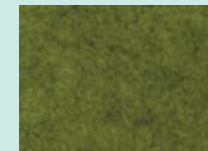
YORKTOWN YELLOW



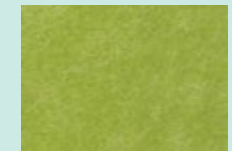
YOKOHAMA YELLOW



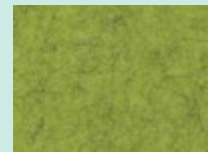
BOSTON BROWN



GENEVA GREEN



GIBRALTAR GREEN



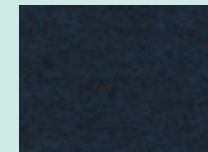
GRENADA GREEN



TORONTO TEAL



TOKYO TEAL



BOLOGNA BLUE



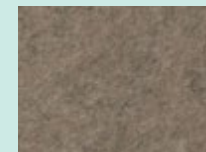
BALTIMORE BLUE



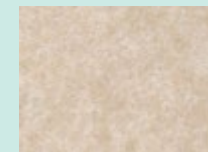
BARCELONA BLUE



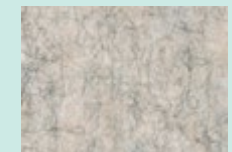
PALERMO PURPLE



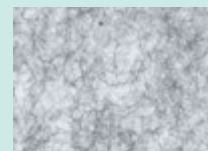
BROOKLYN BEIGE



BERLIN BEIGE



BOGOTÁ BEIGE



GLASGOW GREY



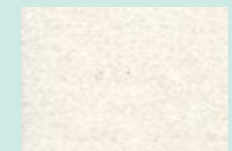
GENOA GREY



GRENOBLE GREY



GUADELOUPE GREY



WARSAW WHITE

5 FSC® REQUIREMENTS

FSC® CERTIFICATION

FSC® Certification required (FSC® C160047).

FIRE PERFORMANCE

MicroSlat's high quality slat is manufactured using our VFR Grey Core and finished with our premium FR Supalami laminate finish to the face of the slat.



MicroSlat Panels are classified as Euroclass B.

Contact us for test data.

6 ACCESS & SERVICE INTEGRATION

STANDARD PANELS (ACCESS CREATED ON SITE)

ACCESS HATCHES AT SPECIFIC LOCATIONS

HIDDEN DOORWAYS

LIGHTING

HVAC GRILLES

SMOKE DETECTORS & SPRINKLERS

AV SCREENS AND CABLING

Please speak to our Technical team if removable panels are required for access to behind. Contact us to discuss bespoke installation requirements on 03307 00 00 30.

7 CHOOSE INSTALLATION METHOD

MicroSlat modules are designed to be simply and quickly installed to all types of common construction.

Use if for a wide variety of Wall, Ceiling and Suspended Raft applications.

MicroSlat Screw Fix system enables simple fastening directly to:

WALLS (Using colour-matched fasteners or discreet brad nails -

N.B. Only for Ceilings).

- › Solid walls or stud partitions
- › Aluminium rails and frames
- › Construction boards e.g. ply or mdf - If covered by plasterboard.

CEILINGS (Using colour-matched fasteners)

- › Plasterboard (picking up locations to achieve adequate support)
- › Aluminium rails
- › Unistrut
- › Casoline MF

For more help with installing MicroSlat walls please contact our technical team on 03307 00 00 30.

FOR WALLS

INSTALLATION OPTIONS

- Screw Fix: Use black screws for discreet fixing, allowing future panel removal. (Coloured screws can be ordered from Vtec to co-ordinate with the coloured backing)
- Aluminium Hockey Sticks

Fasten to the substrate using one of the below methods to create the acoustic performance you require.

1. Direct to wall (good acoustic performance)



2. With 50mm air gap (improved acoustic performance)



3. With 50mm air gap & rockwall insulation (best acoustic performance)

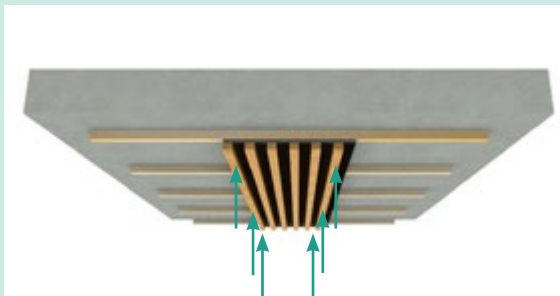


FOR CEILINGS AND RAFTS

SCREW FIX DIRECT TO SOFFIT OR RAILS



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

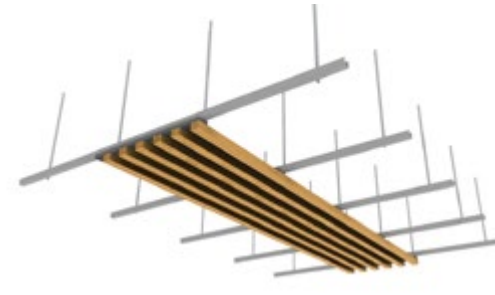


2. Screw through the panel backing using discreet black screws, to fix directly into the substrate or aluminium Zed rails.

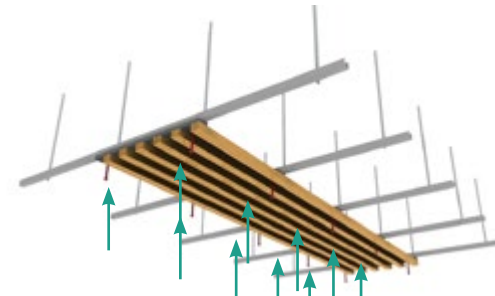


3. Repeat for remaining panels. Cover edges with finishing strips if required.

SCREW FIX TO SUSPENDED RAFT



1. Lift the panel to pre-installed support work, e.g. Unistrut or similar, - shown here suspended on rods.



2. Screw through the panel backing using discreet black screws, to fix directly into the Unistrut rails or similar behind.



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



GRADE II LISTED BUILDING

THE BRIEF

Overlooking the Vale of Clwyd and Snowdonia, a popular spirituality centre's retreat rooms underwent a redesign while preserving its status as a Grade II listed building and Welsh Historical Monument.

Maintaining the historical legacy and ensuring meaningful longevity were crucial during the redesign, leading to the selection of Vtec's MicroSlat System. MicroSlat was chosen for its cost-effective modular slatted design, known for its timeless look, high-quality finish, and respect for the space's heritage.

A NEW RETREAT CENTRE

The redesigned retreat areas boast a captivating, symbolically significant ceiling design. This was expertly guided by our Technical Specialists and Project Manager through intricate detailing due to its complexity and size.

Specified in MicroSlat 70-50 panel with 70mm wide slats, the warm oak finish provided the perfect dramatic appeal for the plateau pyramid ceiling.

CONNECTING
USERS TO A
SPACE.





HOW DID WE MAKE A UNIQUE CEILING EASY TO INSTALL?

- Our Technical Teams used the provided drawings to create an easy-to-understand installation guide, including panel calculations.
- Usage of raw materials was optimised to minimise wastage.
- Matching capping pieces and trims were created for finishing cut ends and hip details.
- The Production Team sourced RAL colour-coordinated screws to blend with the premium acoustic backing.
- Evoking the dramatic shapes of the beautiful North Wales mountains, these ceilings draw the occupant further into a connection with the physical surroundings. This helped to create a long-lasting tangible experience.



ADDITIONAL RESOURCES

As manufacturers of our systems, we know the complexities of creating beautiful and functional designs.

These clickable guides are the best tools to support your learning and understanding of the systems we produce, and how easy it is to specify and install.



[VTECGROUP.CO.UK](https://vtecgroupproducts.co.uk)



[BIM OBJECTS](#)



[HELP & ADVICE](#)



[NBS SOURCE](#)



[DATA SHEET & SPECIFICATION GUIDE](#)



[SPECIFIEDBY](#)

RAPID INSTALLATION

11 STANDARD CONFIGURATIONS

ACOUSTIC PERFORMANCE

**THE FULL RANGE IS
TESTED TO
EUROCLASS B**

**EASILY ADAPTED AND
CUT ON-SITE**



VTECGROUP.CO.UK

Contact our technical team to discuss your application, samples or other questions.
We're here to help.

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

Call 03307 00 00 30
Email sales@vtecgroupp.co.uk
Visit vtecgroupp.co.uk

