

MICROSLAT

THE UK MADE FIRE-RATED SLATTED PANEL SYSTEM




DESIGN BOLDLY

USE FULLY TESTED PANELS



BEAUTY
INTEGRATION
COMPLIANCE

A photograph showing a fire test chamber with a wall panel on the left side that is actively burning. Bright orange and yellow flames are visible, rising from the base of the panel. The rest of the chamber's interior is dark, with vertical ridges on the walls.

**THIS IS THE
OUTCOME
YOU *DON'T*
WANT!**

**DON'T GAMBLE WITH
FIRE SAFETY.**

**USE FULLY TESTED
PANELS!**

THE TRUTH BEHIND FIRE-RATED CLAIMS



NOT ALL 'FR' CLAIMS ARE WHAT THEY SEEM.

Many products are assumed to be fire rated, but when tested, they fail.

We've put popular systems through real-world testing, and the results are clear: **presumption is dangerous.**



ALWAYS REQUEST THE FULL CLASSIFICATION REPORT.

- Don't settle for vague claims, or component only certificates.
- Only accept the **actual Classification Report**, for the assembled unit.
- You **must** check that the **Field of Application** covers your selected product specification and installation details.



NO REPORT? THERE'S A REASON.

If a supplier can't provide the correct documentation, there's something they don't want you to see.



WORK WITH A PARTNER WHO PROVES IT.

At Vtec, we don't rely on assumptions. Our systems are **fully tested, fully classified, and fully compliant**, giving you the documentation, peace of mind, and confidence you need from day one.

THE FINAL FIRE PERFORMANCE OF AN ASSEMBLED PANEL IS AFFECTED BY MANY FACTORS:

- Chimney Effects
(flames behind slats)
- Fire Loading
- Slat and panel orientation
- Exposed Cores
- Leading Edges
- Air Gaps

Testing of separate materials does not provide evidence of how the assembled unit fares in a Fire Test.

*If you think MicroSlat is just any regular slat panel, then **think again!***

It is a Euroclass B, cost conscious, slatted panel solution that is built for safety, and ***priced for you.***

MicroSlat solves **5** common concerns:

1. Compliance
2. Creativity
3. Integration
4. Sound control
5. Cost-effectiveness



FIRE PERFORMANCE

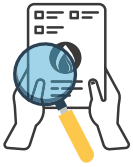
MicroSlat is tested as an *assembled unit* including every component.

It is fully range tested as a total and complete system, which means its entire range of over 2,000 standard configurations are all covered by the fire classification report.

MicroSlat is classified as Euroclass B-s1,d0.

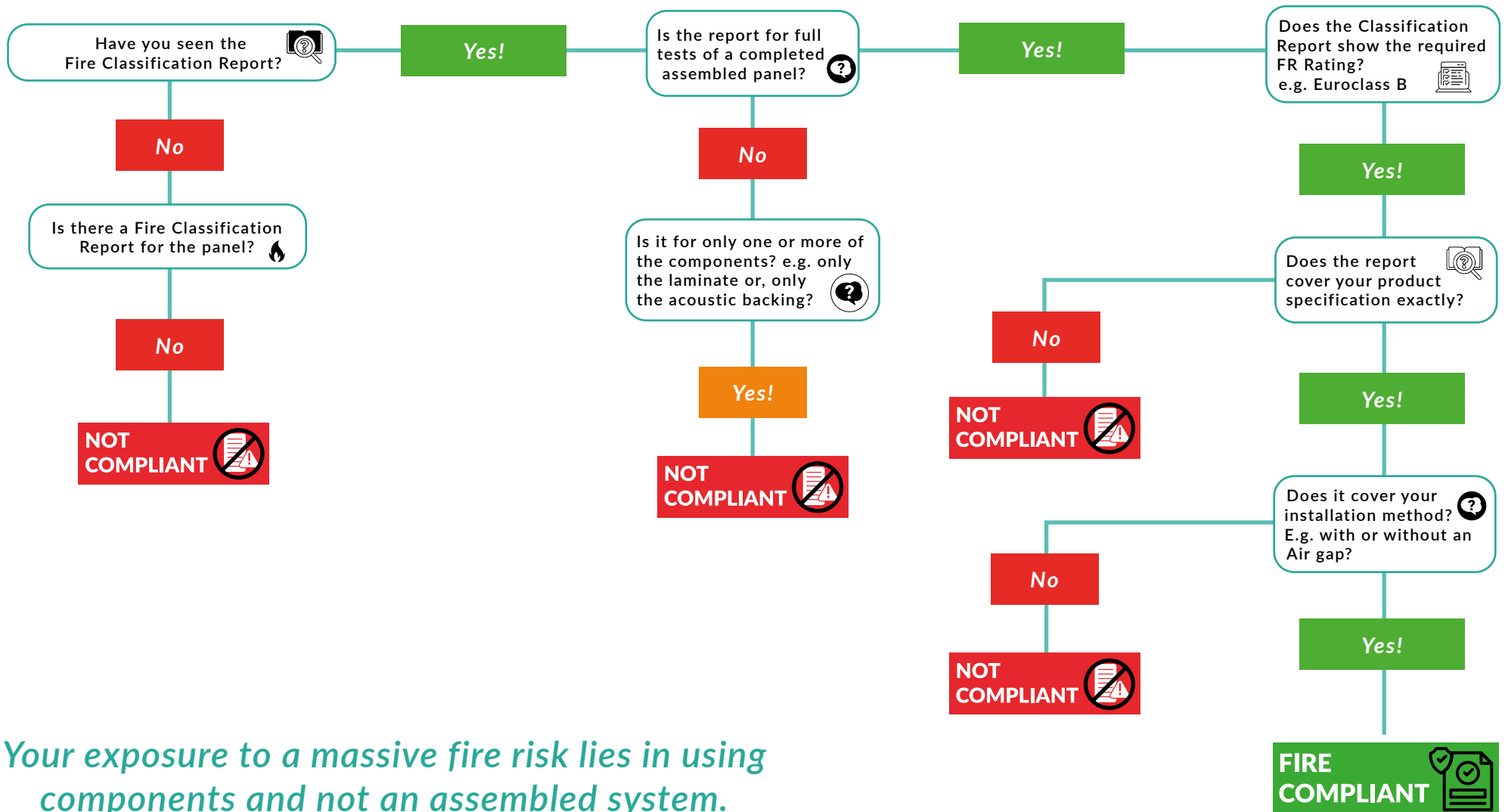
***Architecturally Spec-prepared, Building Control
Approval-ready!***

Contact us for the Fire Classification Reports



HOW TO ENSURE YOUR PANEL CHOICE IS FIRE COMPLIANT

A Slatted Panel System



Your exposure to a massive fire risk lies in using components and not an assembled system.



The UK's leading
Manufacturer of
FR Slatted Systems!

- Vtec create and manufacture **innovative fire-rated systems**
- **MicroSlat is fully tested** as assembled panels and the entire range is classified as EN13501 as **B-s1,d0**.
- Our **CAD Teams** deliver detailed drawing packages including setting-out plans and installation sequences when required.
- **Project Leaders** drive seamless coordination and efficient project delivery.

MicroSlat is designed to perform,
and is trusted to Comply.

- **Euroclass B-s1,d0 fire rated** across the range.
- **Fast, flexible installation** – easy on-site cutting.
- **2,000+ standard design options**
- **Standard size:** 3000mm x 600mm / 2400mm x 600mm
(Can also be manufactured to your dimensions in our Cornwall factory, if required)
- **Simple spec:** Choose panel size, pattern & finish
- **Quick quotes** – just provide quantity & spec details
- **Made in Cornwall, UK**
- **FSC® Certified options available**
- **Premium acoustic backing** – for improved sound quality available in black and assorted colours

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://vtecgroupp.co.uk)



[BIM OBJECTS](#)



[HELP & ADVICE](#)



[NBS SOURCE](#)



[DATA SHEET &
SPECIFICATION GUIDE](#)



[SPECIFIEDBY](#)

11 STANDARD SLAT CONFIGURATIONS - OVER 2,000 POSSIBILITIES!

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

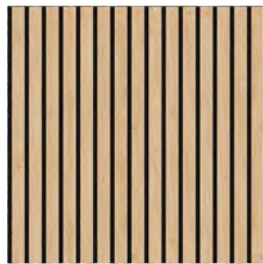
Product Codes (shown on the right) present the slat width first, followed by spacing in mm.

B – STANDARD PANEL SIZES

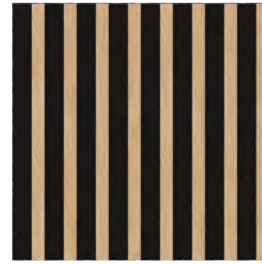
3000 x 600mm / 2400 x 600mm

C – PANEL THICKNESS

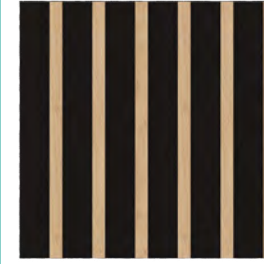
- Budapest Black Acoustic Backing = nominal 23mm thick (14mm thick slat + 9mm thick backing)
- Coloured Acoustic Backing = nominal 26mm thick (14mm thick slat + 12mm thick backing)



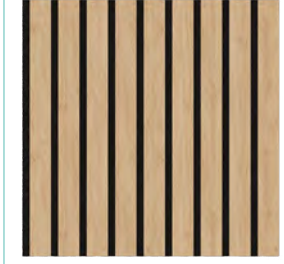
MicroSlat 30-10



MicroSlat 30-45



MicroSlat 30-70



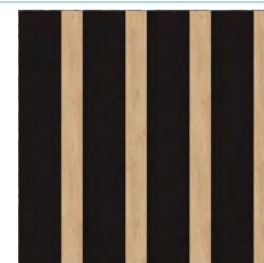
MicroSlat 50-16



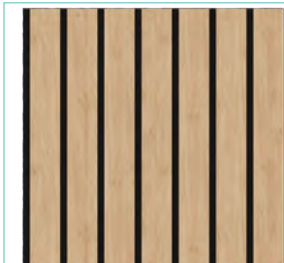
MicroSlat 50-25



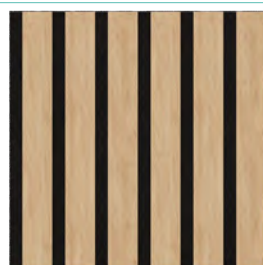
MicroSlat 50-70



MicroSlat 50-100



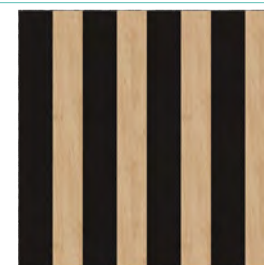
MicroSlat 70-16



MicroSlat 70-30



MicroSlat 70-50



MicroSlat 70-80



ONLY MICROSLAT GIVES YOU
TRUE **EUROCLASS B** SAFETY
AS STANDARD.

MICROSLAT 30-10



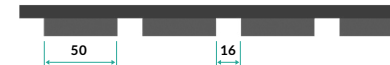
MICROSLAT 30-45



MICROSLAT 30-70



MICROSLAT 50-16



MICROSLAT 50-25



MICROSLAT 50-70



MICROSLAT 50-100



MICROSLAT 70-16



MICROSLAT 70-30



MICROSLAT 70-50



MICROSLAT 70-80



ILLUSTRATIONS ARE INDICATIVE
DRAWINGS ONLY.

**DON'T COMPROMISE
BETWEEN COST & SAFETY.
CHOOSE BOTH.**





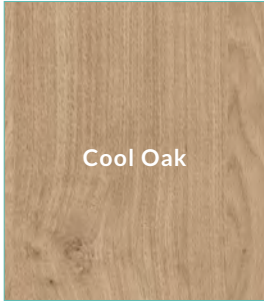
IF IT'S NOT
MICROSLAT, YOU
ARE AT RISK.

SUPALAMI - HARD-WEARING, FR EUROCLASS B LAMINATES

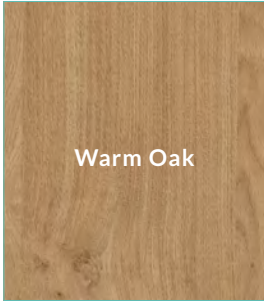
Our high-quality, hard wearing Supalami laminates are FR Euroclass B rated and are used with our systems to achieve fully tested and compliant systems.



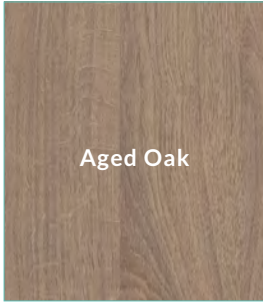
Pale Oak



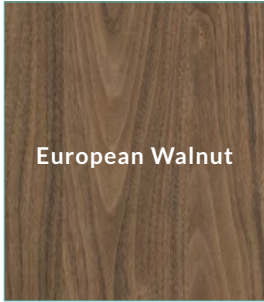
Cool Oak




Warm Oak



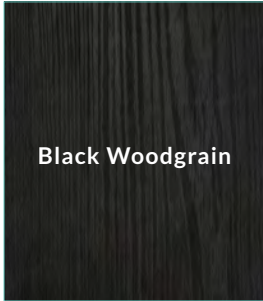
Aged Oak



European Walnut



Smoked Oak



Black Woodgrain

BESPOKE

(Please chat with us
about your requirements.)

ECHOTONE - ECO-FRIENDLY ACOUSTIC BOARD ABSORBER

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

EchoTone is PET based and contains 60% recycled content and is also 100% recyclable.

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

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

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.



OUR MOST POPULAR ACOUSTIC BACKING COLOUR - BUDAPEST BLACK



ROTTERDAM RED



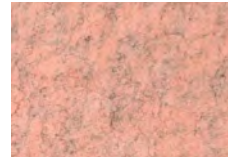
RICHMOND RED



ONTARIO ORANGE



OAKLAND ORANGE



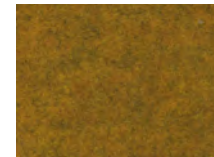
PANAMA PINK



YORKTOWN YELLOW



YOKOHAMA YELLOW



BOSTON BROWN



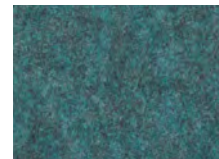
GENEVA GREEN



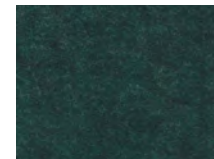
GIBRALTAR GREEN



GRENADA GREEN



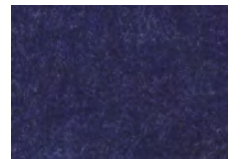
TORONTO TEAL



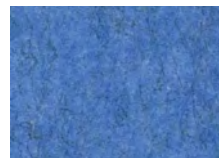
TOKYO TEAL



BOLOGNA BLUE



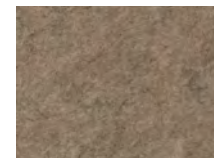
BALTIMORE BLUE



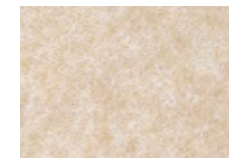
BARCELONA BLUE



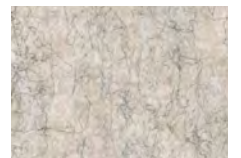
PALERMO PURPLE



BROOKLYN BEIGE



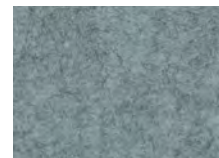
BERLIN BEIGE



BOGOTÁ BEIGE



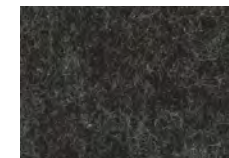
GLASGOW GREY



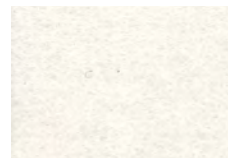
GENOA GREY



GRENOBLE GREY



GUADELOUPE GREY



WARSAW WHITE

HOW TO INSTALL MICROSLAT

MicroSlat modules are designed to be simply and quickly installed to all types of common construction with or without an air gap.

The Substrate or framework needs to be A2-s1,d0 or better with a minimum density of 525kg m³.

WALLS

Fix Microslat panels directly using colour-matched fasteners or discreet brad nails.

Note: Fasteners must penetrate plasterboard into timber backing.

Applicable wall types:

- Solid masonry or concrete with aluminium rails or timber frames covered by plasterboard.
- Plasterboard stud partitions
- Construction boards (e.g., ply or MDF) only if covered by plasterboard

Other methods (e.g., Aluminium Hockey Sticks) are available on request for wall installations.

CEILINGS AND RAFTS

Use colour-matched panel fasteners to engage support locations for secure fixing.

Applicable wall types:

- Plasterboard – fasten into raft support points to ensure adequate hold
- Construction boards (e.g., ply or MDF) only if covered by plasterboard; fasten into support above
- Aluminium rails
- Unistrut

Tip: Coloured screws matching your acoustic backing are available from Vtec Group.

FOR WALLS

INSTALLATION OPTIONS

Panels are secured with colour-matched screw fixings to aluminium or steel rails. Where timber frames or rails with plasterboard facings are used, you may alternatively use discreet brad nails.

Fix Microslat panels directly using these fasteners (*note: screws or nails must penetrate through plasterboard into the timber backing*).

HOW TO BOOST ACOUSTIC PERFORMANCE? START WITH AIR GAPS, MAXIMISE WITH MINERAL WOOL.

1. DIRECT TO WALL

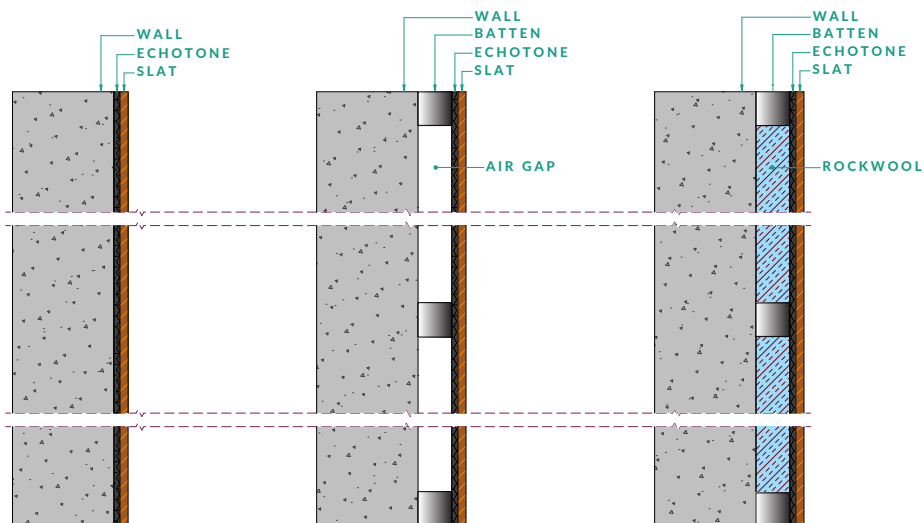
Good Acoustic Performance

2. WITH 50mm AIR GAP

Improved Acoustic Performance

3. WITH AIR GAP & MINERAL WOOL INSULATION

Best Acoustic Performance



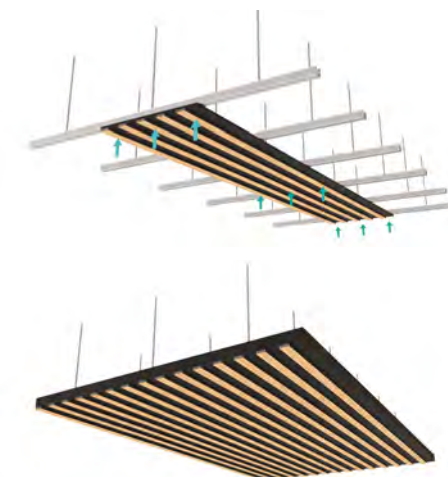
FOR CEILINGS AND RAFTS

SCREW FIX DIRECT TO SOFFIT OR RAILS



- Lift the panel to pre-installed ceiling substrate / support rails.
- Screw through the panel backing using discreet screws, to fix directly into the substrate or support rails.
- Repeat for the remaining panels. Cover edges with finishing strips if required.
- Your installation is now complete.

SCREW FIX DIRECT TO SUSPENDED RAFT



- Lift the panel to pre-installed support work, e.g. Unistrut or similar.
- Screw through the panel backing using discreet screws, to fix directly into the Unistrut or similar behind.
- Repeat for the remaining panels. Cover edges with finishing strips if required.
- Your installation is now complete.

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

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BEAUTY INTEGRATION COMPLIANCE

