



MAXIBEAM

LIGHTWEIGHT FEATURE BEAM SYSTEM

CREATIVE BEAMS THAT TRANSFORM WALLS AND CEILINGS





**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**.
- As **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.
- We **coordinate integration of services and access** requirements where required.
- **Detailed drawing packages** include setting-out drawings, installation sequence and critical detailing.
- 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 MaxiBeam?

A designer's dream beam system for creating exceptional visual and functional walls and ceilings.

Creative, lightweight and design flexible. MaxiBeam is a high-performing beam system. It combines the newest industrial technologies to create a patent pending low weight beautiful beam design that allows for seamless and easy integration of services.





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

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

MAXIBEAM

The MaxiBeam range of light-weight beams helps to define an interior with enhanced spatial depth and perception. The flexibility of MaxiBeam empowers designers with the opportunity to overcome common integration concerns and frustrations through an easy-to-specify and easy-to-install design.

WHAT ARE THE BENEFITS?

- 5 Standard profile sizes
- Hard-wearing laminate options, produced in a variety of wood-style species
- Modular system for easy installation
- FR finishing
- Acoustic solutions
- Available as FSC® Certified
- Fully finished, with no on-site cutting
- Concealed fixings
- Full access to services where required
- Bespoke and exclusive beam option sizes
- Integrated lighting
- Tailor-made shaping and angled ends





1 MAXIMUM VISUAL IMPACT

MaxiBeam is so versatile, it can be used in interior walls, ceilings, rafts or independent screen applications.

2 ENHANCE SOUND

Our EchoTone Acoustic Backing is a high-quality board that provides increased sound control and can be incorporated with the MaxiBeams.

3 INTEGRATED SERVICE ACCESSIBILITY

MaxiBeam integrates well with access requirements. It can also be fully removable to allow access to the void.

4 SEAMLESS INTEGRATION OF SERVICES

With 3D Modelling, MaxiBeam provides provision for the integration of lighting, heating, ventilation, fire detection systems and other ancillary services with ease.

5 EASY INSTALLATION

MaxiBeam is manufactured fully finished and made to measure. With our 3D, CAD Design Services and installation drawings, the system is supplied ready to install with no on-site cutting.

6 FIRE COMPLIANT

MaxiBeam's advanced fire-resistant construction and robust detailing can achieve a Euroclass B rating. Please contact us regarding Fire Certification.





FEATURE WALLS AND RAFTS

Define a space.

A MaxiBeam raft in the lounge area of a corporate office. The raft's interesting geometry follows the shape of the building and draws the eye in and around the space.



SCREENS

Define areas, maintain continuity & flow.

Create a relaxing oasis in the middle of a space.



LIGHT IT UP

Integrate Lighting

Beams were designed to facilitate the use of linear lights to create a spectacular effect.



WALLS

Create an elegant first impression.

A stunning wall to ceiling feature in a corporate reception area. The design involved complex geometry and integrations for a stunning seamless acoustic wall and ceiling design.



BOLD CEILINGS

Organic styles

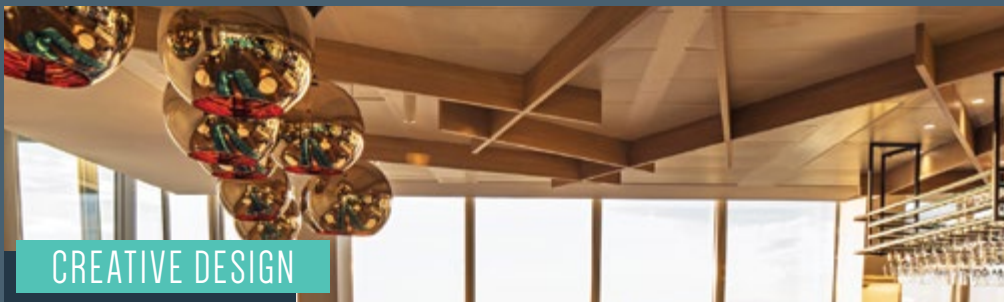
MaxiBeam was perfect for this creative ceiling due to its unparalleled artistic scope.



FLOATING CEILINGS

Create intrigue

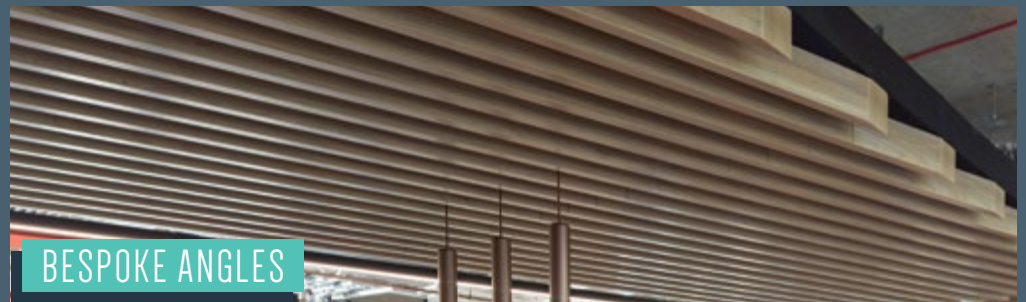
Keep things light and airy, creating interest and intimacy.



CREATIVE DESIGN

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

MaxiBeams were used in the Reception and Bar areas of an office, to mirror the shapes and angles of The Shard.



BESPOKE ANGLES

As adaptable as your imagination.

Explore angled ends that are fully finished.

LET'S PUSH CREATIVE BOUNDARIES TOGETHER

Design is anything but boring. We know and understand that the genesis of any beautiful work starts with an idea.

We work closely with Architects and Designers to nurture their intentions, supporting bold and innovative thoughts. Our solutions allow our clients to feel safe in their purpose, knowing success is right around the corner.

We help create the perfect atmosphere through incredible design.








SPECIFYING MAXIBEAM

- 1 CONSIDER THE APPLICATION
- 2 SELECT SIZE
- 3 SELECT BEAM ENDS
- 4 SELECT FINISH
- 5 SELECT ACOUSTIC BACKING COLOUR
- 6 SELECT FSC® REQUIREMENTS
- 7 CONSIDER ACCESS & SERVICE REQUIREMENTS
- 8 SELECT INSTALLATION METHOD



MAXIBEAM CONFIGURATION

Configure your MaxiBeam System in eight easy steps:

1 CONSIDER THE APPLICATION

Whether you're creating a feature ceiling or an elegant, functional space with vertical beams, MaxiBeam is custom made to your specific requirements, providing unparalleled creative scope.

CEILING

SUSPENDED RAFT

WALLING SYSTEM

VERTICAL SCREEN

COMBINATION OF THE ABOVE

2 SELECT SIZE

A – THICKNESS

Choose your preferred size from our standard MaxiBeam range.

B – HEIGHT

Choose your preferred size from our standard MaxiBeam range or talk to us about a bespoke project for vertical applications. We typically recommend 200mm as a minimum beam depth for vertical screens.

C – LENGTH

MaxiBeam typically comes in lengths of up to 2980mm. Infinite beam lengths are created using our discreet end-to-end joiner system.

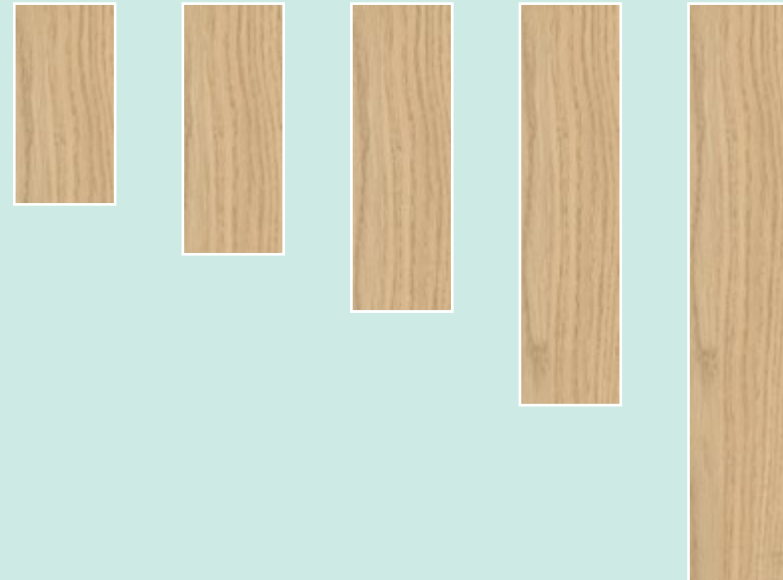
D – BESPOKE DESIGN

We provide tailored design support for bespoke beams to suit your project, inclusive of a detailed 3D drawing package. We routinely produce bespoke options to ultra-length beams, and custom angled ends.

Please contact our Technical Team to discuss your requirements.

STANDARD SIZES

HEIGHT / DEPTH	100mm	125mm	150mm	200mm	285mm
THICKNESS	50mm	50mm	50mm	50mm	50mm
APPROX. WEIGHT	3.1kg/per lm	3.5kg/per lm	3.9kg/per lm	5.1kg/per lm	6.3kg/per lm
TYPICAL GAP / SPACE BETWEEN THE BEAMS	Beams are installed individually so the spacing is fully customizable, including random / varied spacings between beams. As a general rule of thumb, the minimum space between beams is the beam height and the maximum space between is 3x the beam height. Please note that some projects have had smaller or larger spacings than this rule of thumb.				



2 BEAM VISUALS

MAXIBEAM 50x100



MAXIBEAM 50x125



2 BEAM VISUALS

MAXIBEAM 50x150



MAXIBEAM 50x200



2 BEAM VISUALS

MAXIBEAM 50x285



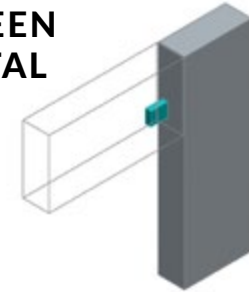


3 SELECT BEAM ENDS

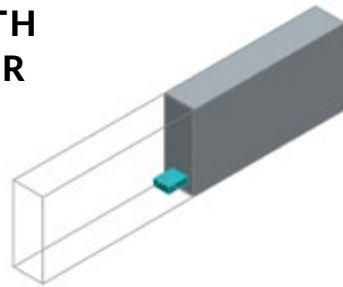
SQUARE END - NO JOINER



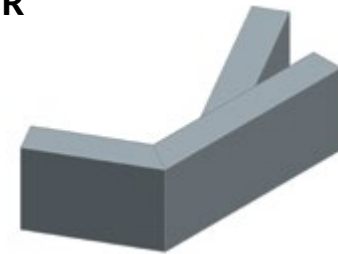
90° CONNECTION BETWEEN A VERTICAL & HORIZONTAL BEAM



SQUARE END - WITH END TO END JOINER



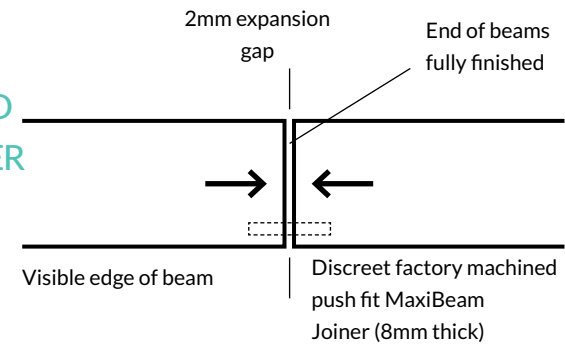
MITRED CORNERS OR BESPOKE ANGLED CONNECTIONS



ANGLED END - FULLY FINISHED



TYPICAL END-TO-END BEAM JOINER





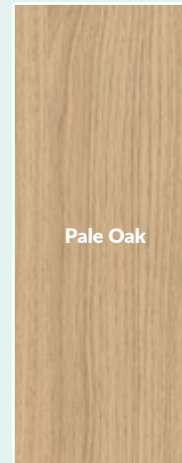


4 SELECT SUPALAMI FINISH

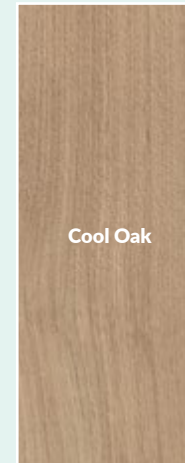
Supalami laminates are high-quality, hard-wearing and requires minimal maintenance. Supalami is FR Euroclass B rated (subject to substrate and adhesives), giving you assurance and confidence in your specification projects.



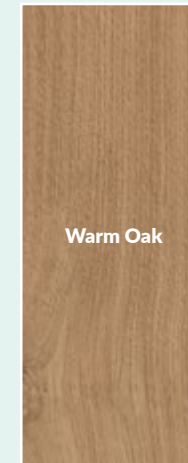
Whitewashed Fir



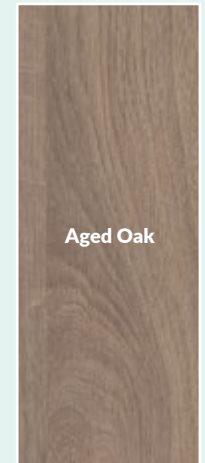
Pale Oak



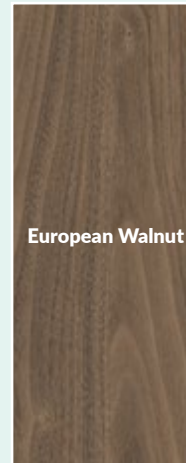
Cool Oak



Warm Oak



Aged Oak



European Walnut



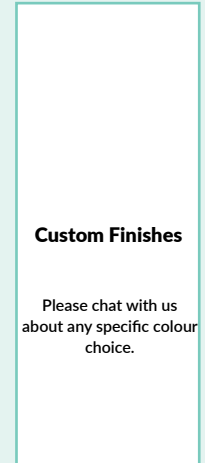
Smoked Oak



Black Woodgrain



Crisp White



Custom Finishes

Please chat with us about any specific colour choice.

5 SELECT ACOUSTIC BACKING COLOUR

NO ACOUSTIC BACKING

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

ACOUSTIC ABSORBER

Nominal 9mm or 12mm thick EchoTone

The MaxiBeam System is backed with EchoTone - an Acoustic Backing Board to help absorb unwanted reverberation.

Budapest Black Acoustic Backing

- Thickness = 9mm or 12mm thick

All other coloured Acoustic Backings

- Thickness = 12mm thick

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

Further acoustic performance can be achieved by using bulk insulation as well.

Noise Reduction Coefficients (NRC) up to 1.0 can be achieved dependent on the selected SupaSlat configuration, void depth and 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



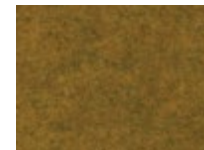
PANAMA PINK



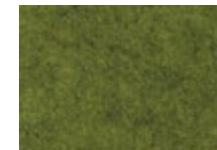
YORKTOWN YELLOW



YOKOHAMA YELLOW



BOSTON BROWN



GENEVA GREEN



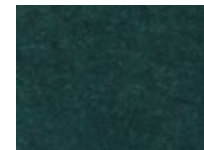
GIBRALTAR GREEN



GRENADA GREEN



TORONTO TEAL



TOKYO TEAL



BOLOGNA BLUE



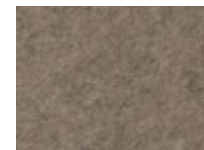
BALTIMORE BLUE



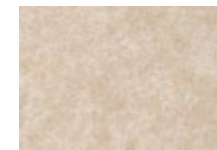
BARCELONA BLUE



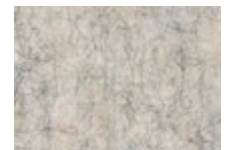
PALERMO PURPLE



BROOKLYN BEIGE



BERLIN BEIGE



BOGOTÁ BEIGE



GLASGOW GREY



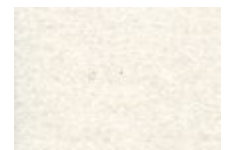
GENOA GREY



GRENOBLE GREY



GUADELOUPE GREY



WARSAW WHITE

6 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.

FIRE COMPLIANCE



MaxiBeam's advanced fire-resistant construction and robust detailing can achieve a Euroclass B rating.

Contact us regarding Fire Certification.

7 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 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.



8 CHOOSE INSTALLATION METHOD

Our MaxiBeam system is designed for quick installation for a discreet finish. MaxiBeam is supplied as individual beams, fully finished to avoid on-site cutting and finishing. Beams can be installed so they are removable if required.

The MaxiBeam system can be fastened to almost any common substrate, for example:

Ceilings and Rafts

- › Timber rails and frame
- › Unistrut
- › Casoline MF

Walls

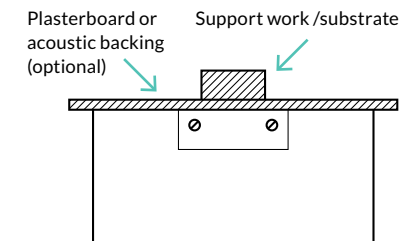
- › Masonry
- › Concrete
- › Wooden or timber-based boards
- › Stud partitions (for example Gypframe)

FOR CEILINGS, RAFTS AND WALLS

FIXING CLEAT

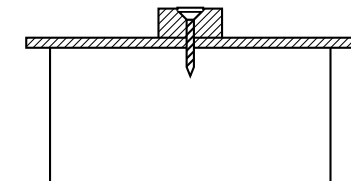
Push beam over pre-installed cleats and pin through face into cleat

If MaxiBeams need to be removable, use small screws instead of pins.



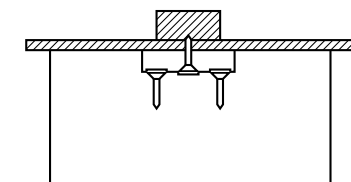
SCREW FROM REAR

Screw through support work into the solid rail on top of the beam



CLICK-FIX (REMOVABLE)

Fit male click-fix to support work. Slide the beam along to engage with female click-fix mechanism



FIXING CLEAT

SCREW FIX

CLICK FIX (PLASTIC)

CLICK FIX (METAL)

	Removable	Ease of install	Discreet fix	Advantage
FIXING CLEAT	✓ Yes, but need small screws and right-angled cordless	Simple process but slightly longer than click fix	Yes - wax over pin holes. If access required, decal caps/stickers should be used.	Simple, cost-effective method
SCREW FIX	✓ Yes, if you can get your arm into the void to unscrew it	Simple process and quick	Yes - no visible fixings	Extremely simple, quick and secret fix Ideal for suspended rafts
CLICK FIX (PLASTIC)	✓ Yes, must un-install sequentially	Very simple and Quick	Yes - no visible fixings	Quick and easy to install, MaxiBeams are removable
CLICK FIX (METAL)	✓ Yes, must un-install sequentially	Very simple and Quick	Yes - no visible fixings	Quick and easy to install, MaxiBeams are removable

FOR VERTICAL SCREENS

MaxiBeam screens can be fastened to almost any common ceiling or floor, for example:

- › Solid or Built-up floors
- › Plasterboard or grid and tile ceilings
- › Solid walls or stud partitions

For more help with installing MaxiBeam screens please contact our technical team on 03307 00 00 30.

Vertical screens can be:

VERTICAL SLATS

HORIZONTAL SLATS

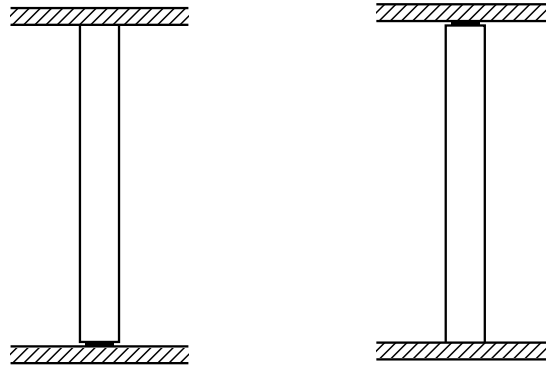
ANGLED AND LOUVRED SLATS

COMBINATION OF THE ABOVE

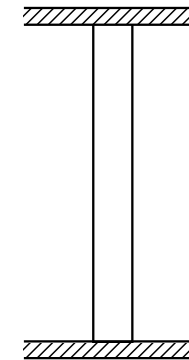
VERTICAL SLATS

Screen installation method will depend on the construction it is fastened to and if it needs to be removable. The examples below are shown for vertical slats:

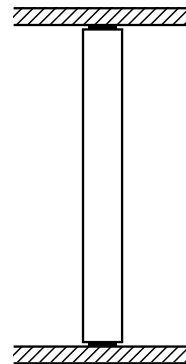
SHADOW GAP AT FOOT OR HEAD



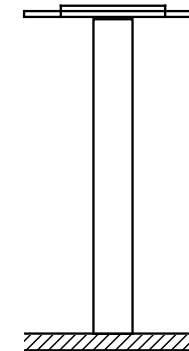
NO SHADOW GAP



SHADOW GAP AT BOTH



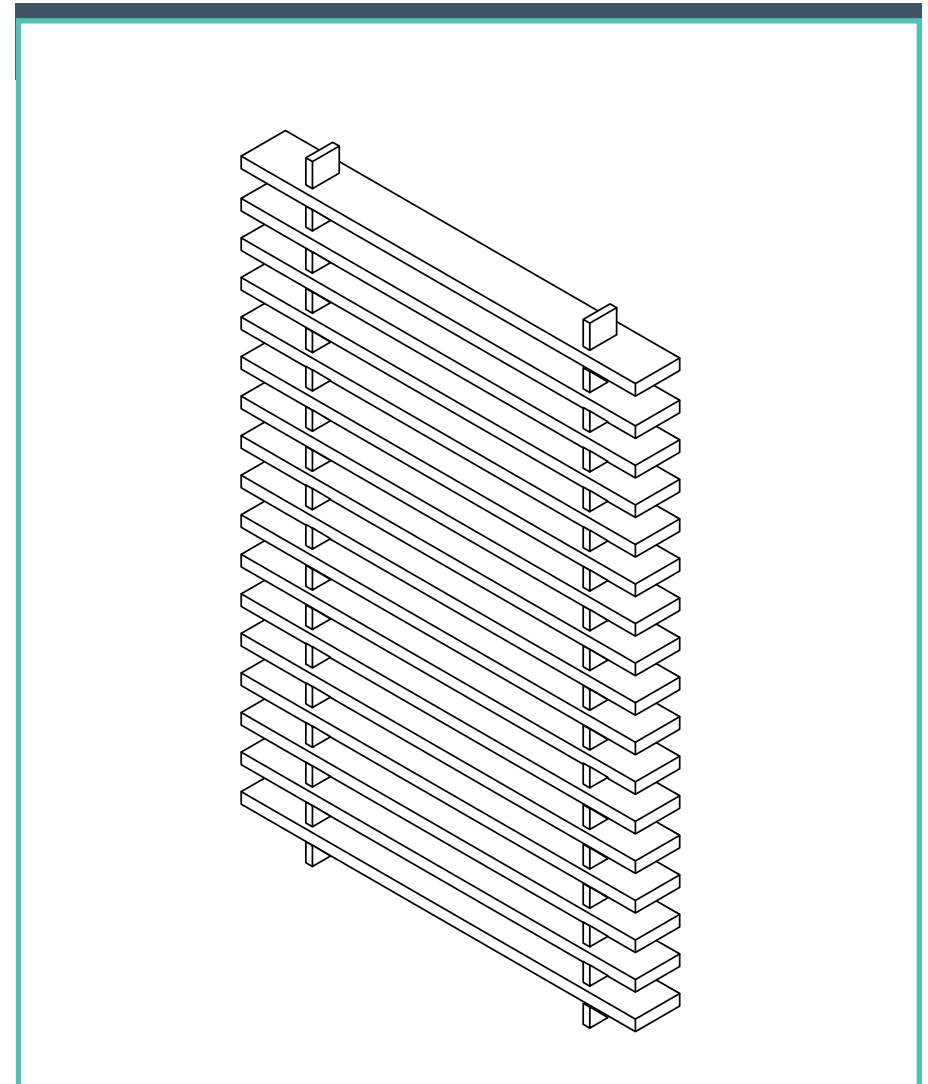
NO SHADOW GAP - FOR GRID & TILED CEILINGS





HORIZONTAL SLATS

Screens with horizontal slats are supplied as a kit that includes vertical support rails, sleeves to cover them and beams with holes to slide over them – all easily assembled on site.



AT THE SHARD

THE BRIEF

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

The end client had several end goals. The aims were to consolidate its employees into a single office location, improve utilisation and building user satisfaction, as well as showcase their technological capability.

BESPOKE CEILING SOLUTION

- › MaxiBeam 150mm(h) x 50mm(t)
- › Technical challenges with angled ceilings, angled beams and bespoke sizing to fit the exact specification.
- › Lightweight beams so minimal support work required.
- › Angled beams, factory cut with spray-finished angled ends, supplied to the exact site dimensions.
- › No on-site cutting or finishing.
- › Access and service integration with the use of

Click-Fix 1 installation system to make some beams removable.

BESPOKE ANGLED CEILINGS





END RESULT

Vtec's MaxiBeam worked beautifully in this modern, acoustic design. 600 people moved into these London offices in the iconic Shard building supporting 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.

LOWER THAMES ST. RECEPTION

THE BRIEF

Our client was tasked with creating a sleek and sophisticated reception area in a corporate office building. Both the client and the Designer wanted a statement feature that had a real 'wow factor' that worked alongside the rest of the scheme.

DESIGNING COMPLEX GEOMETRY AND INTEGRATION

- › The ceiling to wall geometry involved high technical skills due to the angles
- › Both walls and ceilings were recessed.
- › Detailed 3D visuals and drawings were created.
- › Bespoke angled ends on the interface and precise spacing were designed.
- › The beams enabled complete integration with the lighting scheme.

COMPLEX MAXIBEAM BEAMS





END RESULT

Solving integration solutions involved detailed planning and on-going technical support throughout the project.

With the complex design and time-scales being tight, Vtec were able to produce detailed visuals and drawings, to ensure easy installation.

The stunning acoustic wall and ceiling was manufactured fully finished with no on-site cutting.

A MAJOR UNIVERSITY

THE BRIEF

This was a large-scale MaxiBeam project for both walls and ceilings in a 3-storey atrium of a university reception, including shaped beams up the stairwell. It involved different geometry and elevations, using bespoke lengths of MaxiBeam at 75-125mm x 50mm(t).

TECHNICAL CONSIDERATIONS

- › Different geometry, planes and elevations in each area.
- › Technical challenges around windows to ensure beam aesthetics and appropriate support.
- › Air conditioning and lighting integrations.
- › Fine tolerances on all beams, supplied fully finished with detailed installation instructions.
- › Discreet access and service integration with Click-Fix system to make some beams removable.

LARGE MAXIBEAM FEATURES





END RESULT

One key technical challenge was that the vertical beams had to span over the large windows. The team calculated exactly where supports were needed for maximum strength and discreet fixing, which ensured that the MaxiBeams were visible - and equally as pleasing to the eye - from both sides of the glass.

Beams flowed down the building and wrapped under the soffit, where the MaxiBeam system had been designed with black acoustic backing and a unique support framework to disguise the void.

The ceiling area above the food counter included a range of access and service integration requirements, so the discreet Click-Fix installation method ensured the beams could be easily removed.



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://www.vtecgroupproducts.co.uk)



[NBS SOURCE](#)



[HELP & ADVICE](#)



[SPECIFEDBY](#)



[DATA SHEET &
SPECIFICATION GUIDE](#)

ACOUSTIC PERFORMANCE

EASY ACCESS TO SERVICES

EASY INSTALLATION

FR EUROCLASS B RATING

**BESPOKE DESIGNS &
5 STANDARD CONFIGURATIONS**





VTECGROUP.CO.UK

EASY TO IMAGINE **EASY** TO SPECIFY **EASY** TO INSTALL

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

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



MAKING
SPACES
MATTER