



MAXIBEAM

LIGHTWEIGHT FEATURE BEAM SYSTEM

CREATIVE STUNNING BEAMS THAT ADD REAL INTEREST TO WALLS AND CEILINGS




EASY TO IMAGINE
EASY TO SPECIFY
EASY TO INSTALL

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

WE BRING IT ALL TOGETHER

We're experts at bringing architectural designs to life. 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**.
- **We are proud UK Manufacturers**. Our systems are all produced in our Cornwall factory, guaranteeing quick response times and reliable delivery.
- Our in-house Technical Team includes **CAD capabilities** and **3D modelling** for complex ceilings and walls to ensure precise interface with support work.
- We use our **technical expertise** to incorporate access requirements and service integrations.
- Our experienced **draughtsmen** provide detailed drawing packages that include (setting out drawings, installation sequence and critical detailing).
- Every project has a 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**.

A modern, open-plan interior space, likely a lounge or office area. The ceiling is a key feature, with exposed wooden slats and various acoustic treatments, including large, spherical pendant lights and a complex network of pipes and ducts. The walls are also treated with acoustic panels, some of which are integrated with greenery. In the foreground, there's a green sofa with orange and patterned cushions, and a small glass coffee table. In the background, there's a bar area with a green wall and shelves of bottles, and a long wooden table with benches. The overall atmosphere is bright and airy, with a focus on sustainable and acoustic design.

OUR PROVEN SYSTEMS PROVIDE
ADAPTABLE AND BESPOKE ACOUSTIC
WALL AND ACOUSTIC CEILING PANEL
OPTIONS TO SUIT YOUR PROJECT
AND DELIVER STRONG VISUAL
IMPACT ALONGSIDE UNRIVALLED
ACOUSTIC PERFORMANCE

INTRODUCING MAXIBEAM

MaxiBeam is the lightweight beam system that provides visual style, alongside being easy to specify and fast to install.

MaxiBeam helps to define your interior. With enhanced visual impact giving your space its own identity, you will encourage dwell time and footfall, which contributes to added value and Return on Investment.

- Optional acoustic absorption
- Adaptable sizes to complement your ideas and budget
- Limitless range of finishes, including antimicrobial options
- Available as FSC® Certified
- Bespoke or exclusive options
- Shaped designs including for use on curves
- Beautifully finished ceiling beams
- Elegant and functional spaces
with vertical screen beams

UK DESIGNED AND
MANUFACTURED FOR
RAPID INSTALLATION,
GREAT ACOUSTICS AND
EASY SERVICE ACCESS.





MAXIBEAM BENEFITS

1 Instant visual impact

Recreate traditional timber looks and characterful features, with the comfort of new technologies and a choice of finishes.

2 Adaptable Application

Our versatile system is suitable for walls, ceilings, rafts or independent screens. We routinely produce bespoke options to deliver curved designs, geometric shapes and custom angled ends.

3 Quick Install

MaxiBeam's fixing systems include fixing cleats and detailed installation instructions.

4 Better Acoustics

MaxiBeam is acoustically diffusive. Install under a perforated Supacoustic ceiling or Soft Board acoustic backing to achieve acoustic absorption.

5 Minimal Framing required

From only 2kg per beam (depending on size), **MaxiBeam** is incredibly light, which means specially engineered framing isn't required, keeping the costs down without compromising on visual impact.

WHAT IS MAXIBEAM?

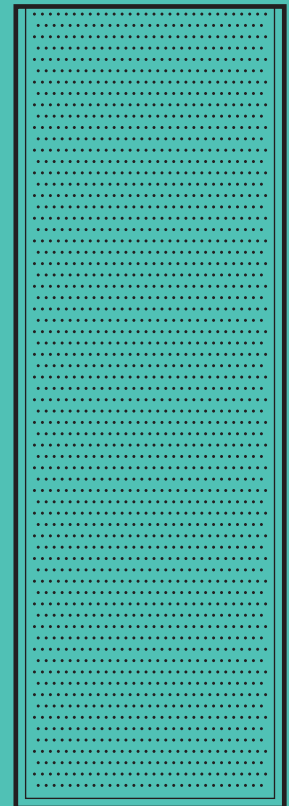
MaxiBeam is so versatile that it inspires creative thinking and new design ideas. In response, we've been making **MaxiBeam** even more adaptable with options including:

- Tailor-made shaping and angled ends
- Integrated lighting
- Improved choice of finishes
- Colour match finishes to match panels and slats
- Bespoke beam sizes

MAXIBEAM IS
APPROXIMATELY 50%
LIGHTER THAN SOLID
TIMBER BEAMS, MAKING IT
MORE COST EFFECTIVE AND
EASIER TO WORK WITH.

Veneer, laminate or painted
finish to all visible faces

Lightweight hollow-core
construction with rigid
outer surfaces for
strength and durability



40 or 50mm



FEATURE WALLS AND RAFTS

Define a space.

SUPALAMI laminate raft in the lounge area of a corporate office.



SCREENS

Define areas, maintain continuity & flow.

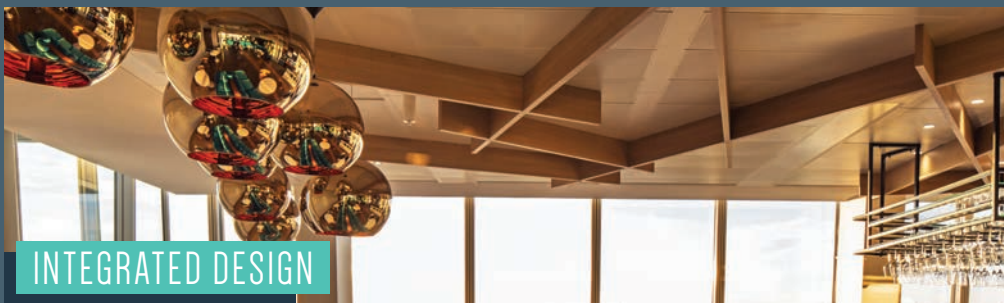
Create a relaxing oasis in the middle of a space.



LIGHT IT UP

Integrate Lighting

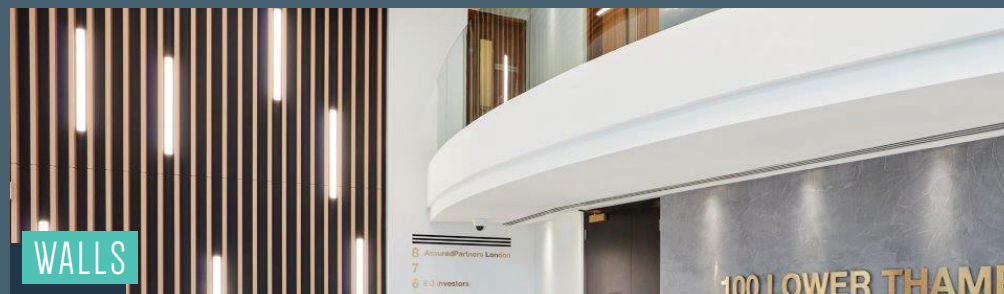
SUPALAMI shaped beams with integrated lighting.



INTEGRATED DESIGN

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

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



WALLS

Create an elegant first impression.

SUPALAMI laminate wall to ceiling feature in a corporate reception area.



BOLD CEILINGS

Chunky beams

SUPA VENEER natural timber veneer balustrades.



FLOATING CEILINGS

Create intrigue

SUPALAMI laminate beams keep things light and airy, creating interest and intimacy.



TAILORED SHAPES

As adaptable as your imagination.

SUPALAMI MaxiBeams with WaveBlade features create a dynamic appearance.

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.

Lines don't need to be straight, we love exploring curves, custom shapes, spiral channels and anything that is specific to a designer's dreams! We help create the perfect atmosphere through incredible design.








SPECIFYING MAXIBEAM

- 1 CONSIDER THE APPLICATION
- 2 SELECT SIZE
- 3 SELECT BEAM ENDS
- 4 SELECT ACOUSTIC BACKING
- 5 SELECT FINISH
- 6 SELECT FR CLASS
- 7 SELECT FSC® REQUIREMENTS
- 8 CONSIDER ACCESS & SERVICE REQUIREMENTS
- 9 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

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 3m. Infinite beam lengths are created using our discreet end-to-end joiner system.

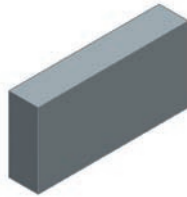
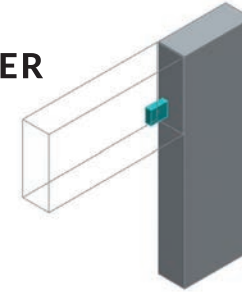
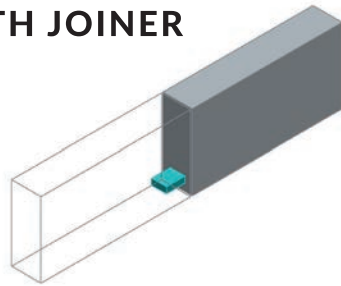
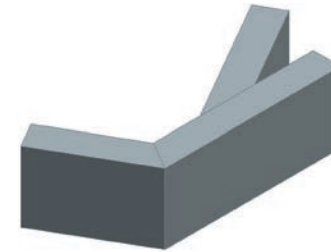
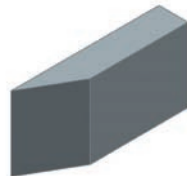
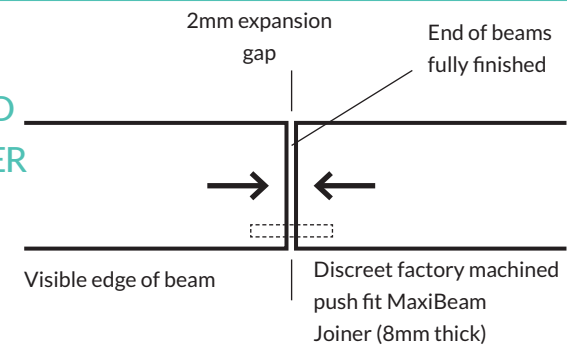
D – BESPOKE DESIGN

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 deliver curved designs, ultra-length beams, geometric shapes and custom angled ends. Please contact our Technical Team to discuss your requirements.

STANDARD SIZES

| HEIGHT / DEPTH | 100mm | 125mm | 150mm | 200mm | 285mm |
|-------------------------|------------|------------|------------|------------|------------|
| THICKNESS | 40 or 50mm | 40 or 50mm | 40 or 50mm | 40 or 50mm | 40 or 50mm |
| APPROX. WEIGHT | 2kg/lm | 2.5kg/lm | 3kg/lm | 4kg/lm | 6kg/lm |
| TYPICAL CENTRE VARIANT | 100-250mm | 125-300mm | 150-375mm | 200-400mm | 200-600mm |
| TYPICAL SPACING VARIANT | 50-210mm | 75-260mm | 100-335mm | 150-360mm | 150-560mm |



SQUARE END - NO JOINER**90° VERTICAL TO HORIZONTAL WITH JOINER****SQUARE END - WITH JOINER****BESPOKE ANGLES****ANGLED END - FULLY FINISHED OR MITRE JOINT****TYPICAL
END-TO-END
BEAM JOINER**

The MaxiBeam system is backed with Acoustic Backing Board to help absorb unwanted reverberation.

Budapest Black Acoustic Backing

- Thickness = 9mm thick
- Panel Size = 2400 & 3000mm long

All other coloured Acoustic Backings

- Thickness = 12mm thick
- Panel Size = 2400mm long

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

Acoustic Absorption varies according to absorbing material, slat sizes, slat spacings and void depth behind panel.

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 on 03307 00 00 30.



OUR MOST POPULAR ACOUSTIC BACKING COLOUR - BUDAPEST BLACK



ROTTERDAM RED



RICHMOND RED



ONTARIO ORANGE



OAKLAND ORANGE



PANAMA PINK



YORKTOWN YELLOW



YOKAHAMA YELLOW



BOSTON BROWN



GENEVA GREEN



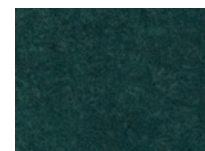
GIBRALTAR GREEN



GRENADA GREEN



TORONTO TEAL



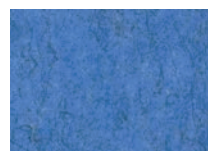
TOKYO TEAL



BOLOGNA BLUE



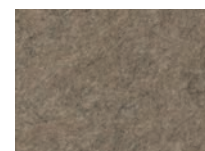
BALTIMORE BLUE



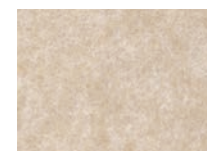
BARCELONA BLUE



PALEMERO PURPLE



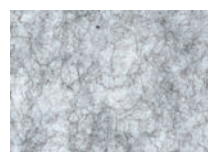
BROOKLYN BEIGE



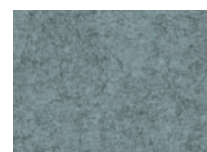
BERLIN BEIGE



BOGOTA BEIGE



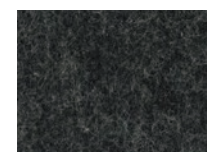
GLASGOW GREY



GENOA GREY



GRENOBLE GREY



GUADELOUPE GREY



WARSAW WHITE

SUPALAMI

High quality hard wearing laminate finish.

Crisp White

Light Oak

Cool Oak

Warm Oak

Aged Oak

European Walnut

African Wenge

Asian Blackwood

Coal Black

SUPA VENEER

Beautiful natural timber veneers with a high quality, clear lacquer.

NTV Ash

NTV Oak

NTV Maple

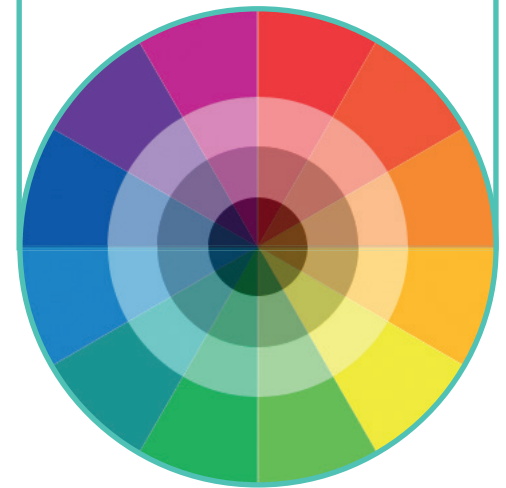
NTV Cherry

NTV Walnut

NTV Steamed Birch

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 FR CLASS

FR CLASS REQUIRED

No / Class 1 / Class O

7

SELECT FSC® REQUIREMENTS

Please chat with us about your specific sustainable requirements prior to quotation.

FSC® CERTIFICATION

FSC® certification required (FSC® C160047).

NO CERTIFICATION

FSC® certification not required.



| | | |
|---|-------|--|
| 5 | North | Irwin Mitchell LLP |
| | South | Irwin Mitchell LLP |
| 4 | North | Which? |
| | South | Which? |
| 3 | North | Jisc / Jisc Services Ltd / Jisc Commercial Ltd Jisc Liberate Managed Services Ltd |
| | South | |
| 2 | North | |
| | South | ERM Ltd |
| 1 | | |



8 ACCESS AND SERVICE INTEGRATION

We regularly work with M&E teams to solve any tricky installation challenges. Contact us for any bespoke integrations.

FULLY REMOVABLE FOR ACCESS TO VOID

ACCESS HATCHES AT SPECIFIC LOCATIONS

HIDDEN DOORWAYS

LIGHTING

HVAC GRILLES

SMOKE DETECTORS & SPRINKLERS

AV SCREENS & CABLING

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

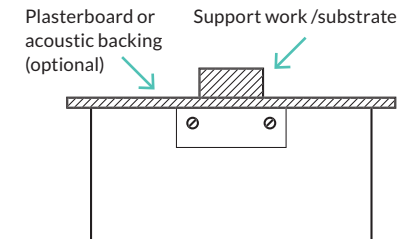
Walls

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

FIXING CLEAT

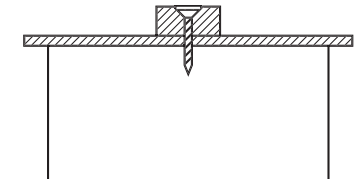
Push beam over pre-installed cleats and pin through face into cleat

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



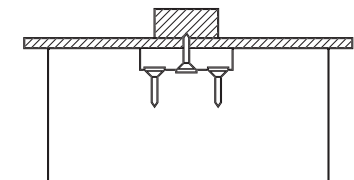
SCREW FROM REAR

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



| | 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

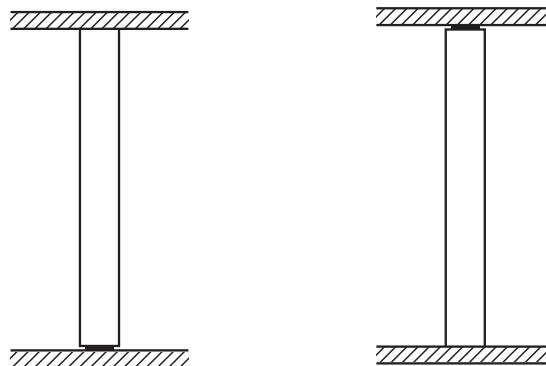
ANGLED AND LOUVRED SLATS

COMBINATION OF THE ABOVE

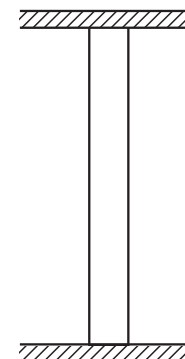
VERTICAL SLATS

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:

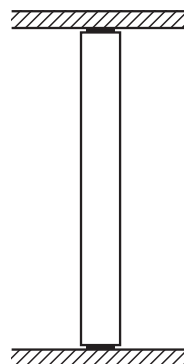
SHADOW GAP AT FOOT OR HEAD



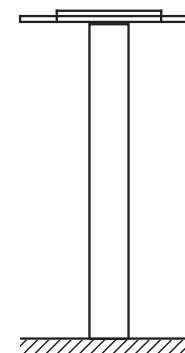
NO SHADOW GAP



SHADOW GAP AT BOTH



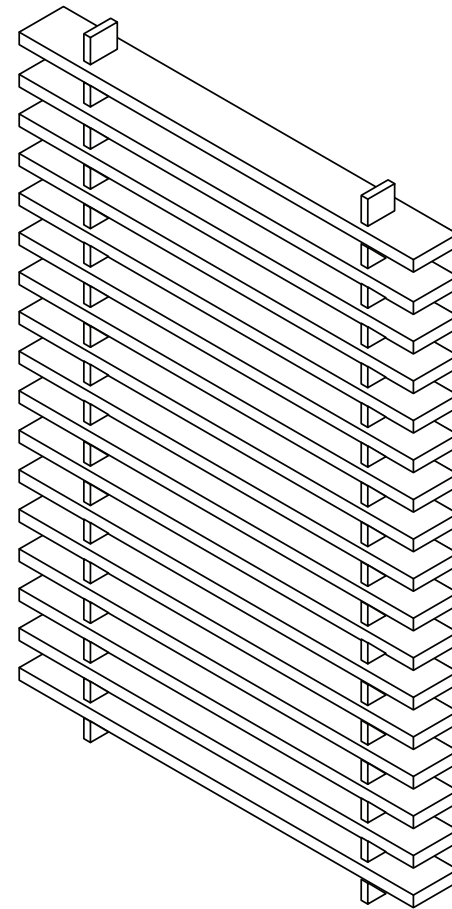
NO SHADOW GAP - FOR GRID & TILED CEILINGS





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.



HIGH RISE OFFICES, EC2

THE BRIEF

This was a full office design for a new London office for a major renewable energy provider. The creative concept was to illustrate in tangible ways the companies commitment to renewable resources and their focus on converting and harnessing it into energy.

CREATIVE CEILING SOLUTION

- › MaxiBeam System with 140mm beams deep was used for the ceilings.
- › A design friendly WaveBlade feature was created in the social area.
- › Individual elements extended up to 600 mm deep.
- › Finished in Supalami Cool Oak 40mm.
- › Seamless integration of services, with perfect interfacing with the angled and shaped bulkheads.
- › Technical challenge of integrating the WaveBlade features which undulate across the ceiling from a frontal aspect.

WAVEBLADE FEATURES





END RESULT

Vtec's MaxiBeam System was the perfect option to show off the creativity and ingenuity of our client's project. Designed and 3D modelled, this ensured seamless integration of services to support the dynamic design.

The dramatic lightweight WaveBlade features segued seamlessly with the MaxiBeam ceiling creating a sophisticated flow in the visual landscape, that was hugely pleasing to the eye.

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 40mm(t) finished in Black Class 0 FR lacquer.
- › 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 and Supacoustic systems combined 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 in MaxiBeam Light Oak finish.

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 lengths of MaxiBeam at 75-125mm x 50mm(t) finished in Warm Oak.

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.

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@vtecgroup.co.uk |
| Visit | vtecgroup.co.uk |

