

TAYLOR MAXWELL

Facades

3



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Arthouse

# A national team of product specialists.

**Taylor Maxwell have been providing facade and timber solutions to the construction industry since 1959 with our origins in the supply of facing brick. Today we operate from 14 regional locations across the UK and distribute brick, cladding, timber, masonry and precast concrete solutions.**

We deliver consultation on external facade materials throughout all stages of the design process. We believe that the most successful construction projects come from a culture of open discussion and early collaboration with our project partners.

Our experienced external sales teams are on hand to visit your offices or site and support you and your project. This often involves design workshops at an early project concept stage, where we can provide samples and sufficient technical data for the specification and drawing of the materials as part of the overall wall build up.

Our long-standing reputation has been built upon listening to our customers and gaining an in-depth understanding of what they are trying to achieve. Only then are we able to provide a selection of product options that are suitable to meet the design concept.

Our national team of product specialists will be able to guide you in your product selection with design input and price information, allowing you to make an informed choice and operate within your project parameters. We will then work closely with the appointed contractor to ensure that the product is supplied to meet the material specification.

We partner with all UK facing brick manufacturers, and supply a large range of imported bricks from across Europe to meet the appearance and budget requirements of your development.

In addition to this, we also supply an extensive range of facade systems including terracotta, glass rainscreen, expanded & perforated mesh, stone, metal and brick cladding and high pressure laminate (HPL) cladding.

Masonry is the perfect material to complement brickwork and other facade materials. Natural stone, cast stone, walling stone and architectural masonry are all available from our reliable material partners across the UK.

We also provide a range of architectural and structural precast concrete solutions. This portfolio includes full structures, sandwich panels and facade panels, which are available in a variety of material finishes.

**Visit [taylormaxwell.co.uk](https://www.taylormaxwell.co.uk) to view our full range of products, email [enquiries@taylor.maxwell.co.uk](mailto:enquiries@taylor.maxwell.co.uk) or call our team on 0203 794 9377 to discuss your project requirements.**

Stapleton House

# Continuous Professional Development & Partnerships

We offer a range of RIBA approved and non-approved CPD seminars for architectural design practices and contractors.

CPD seminars are an excellent way of finding out more about facade materials, seeing our products up close, understanding how they work and how they will benefit your projects.

These can be organised at one of our local product showrooms, or we can visit your offices to present the seminar at a time and date to suit you.

In addition to in-house seminars, we are also able to offer product factory tours, and frequently take groups of customers around their local or neighbouring cities to take in the local architecture, highlighting schemes with an interesting mix of facade finishes.

To view our full CPD portfolio and arrange a seminar visit [taylormaxwell.co.uk/cpd-seminars](http://taylormaxwell.co.uk/cpd-seminars)



**For 50 years the RIBA awards have championed and celebrated the best architecture in the UK and around the world, no matter the form, size or budget.**

Successful projects reflect changes and innovations in architecture, but at their core, display a commitment to designing and developing buildings and spaces for the improvement and enhancement of peoples lives. The RIBA awards are regarded by both the public and profession as the most valued architecture awards, with an unrivalled approach to the judging and promotion of good architecture.

The RIBA Regional Awards are given to UK buildings for their regional importance as a piece of architecture. Our national sponsorship of the 'Project Architect of the Year' award category represents our long-term commitment to RIBA members to encourage good design and our desire to further understand their needs.



Blavatnik School of Government

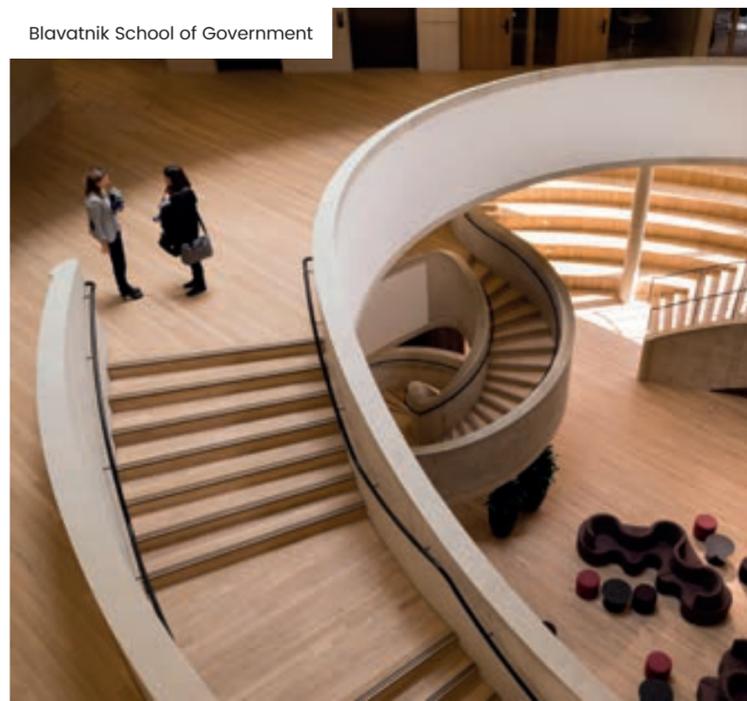
Celebrating the best architecture in the UK, and specifically the Project Architect of the Year award category, reflects our commitment to working in partnership with RIBA members to source products which stand the test of time and enhance peoples lives.

With such a diverse range of projects shortlisted across the RIBA regions, using a multitude of facade materials, having the opportunity to partner with the RIBA regional and national awards is an exciting one.

Our products are frequently used in award winning schemes, and in 2016 our timber floors were used throughout the Blavatnik School of Government, which was shortlisted for the Stirling Prize.

Projects are shortlisted by region in the first instance with winners being recognised for their regional importance. These projects then go on to be put forward for the RIBA National Awards. The winners of the RIBA National Awards for architectural excellence are then judged for special awards including the RIBA Stirling Prize.

The RIBA Stirling Prize is the UK's most prestigious architectural prize. Every year it is presented to the architects of the building that has made the greatest contribution to the evolution of architecture in the past year. The prize was set up in 1996 and is named after the great British architect Sir James Stirling.



Blavatnik School of Government

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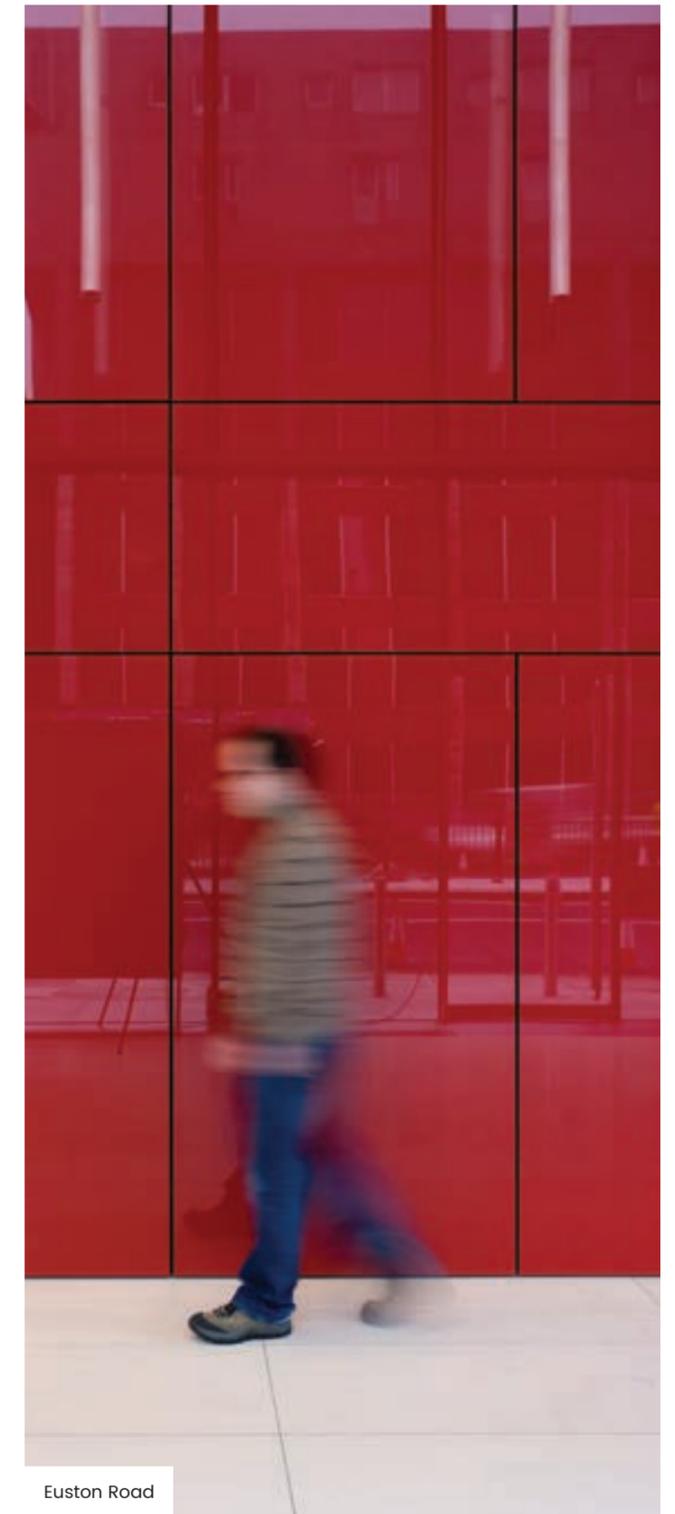
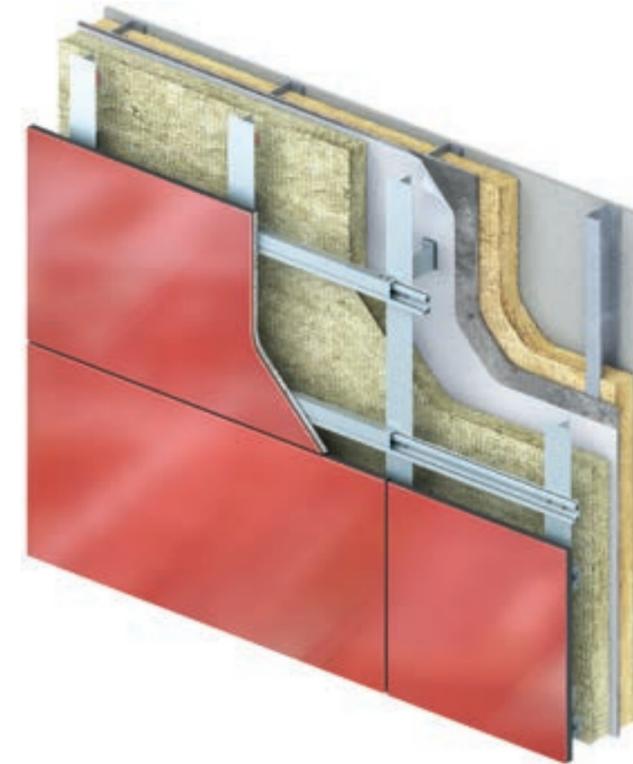
# Glass Rainscreen Cladding



**Glass rainscreen cladding continues to be a top choice for designers, architects and clients. The material can be used for both internal and external applications and back-lighting can be combined where required to create a myriad of colour shades across the building's facade.**

With no visible fixings, glass facade systems provide a clean, visually stunning finish which is durable and easy to maintain. Glass rainscreen is extremely hard-wearing, weather-resistant and up to 100% recyclable.

This BBA certified glass-faced rainscreen cladding system is manufactured from graded blown-glass granulate, which is combined with a binder and pressed into a board format. The glass then has an applied mesh reinforcement to each side to give optimum strength and durability.



### — Colours & Finishes

This system is available in most RAL colours, which are priced individually. Special colours can be matched but may incur a longer lead time. Reflective, non-reflective and metallic finishes are all available. Cut glass panels can be bonded to the same backing board to create stripes or patterns.

### — Screen Printing

Screen printing can be achieved for patterns, logos and signage which can be printed onto glass. Please send us your images or drawings and we will provide you with a sample to review.

### — Cutting

Glass panels can be customised to include cut outs, which can allow access to control panels and lighting.

### — Sizes

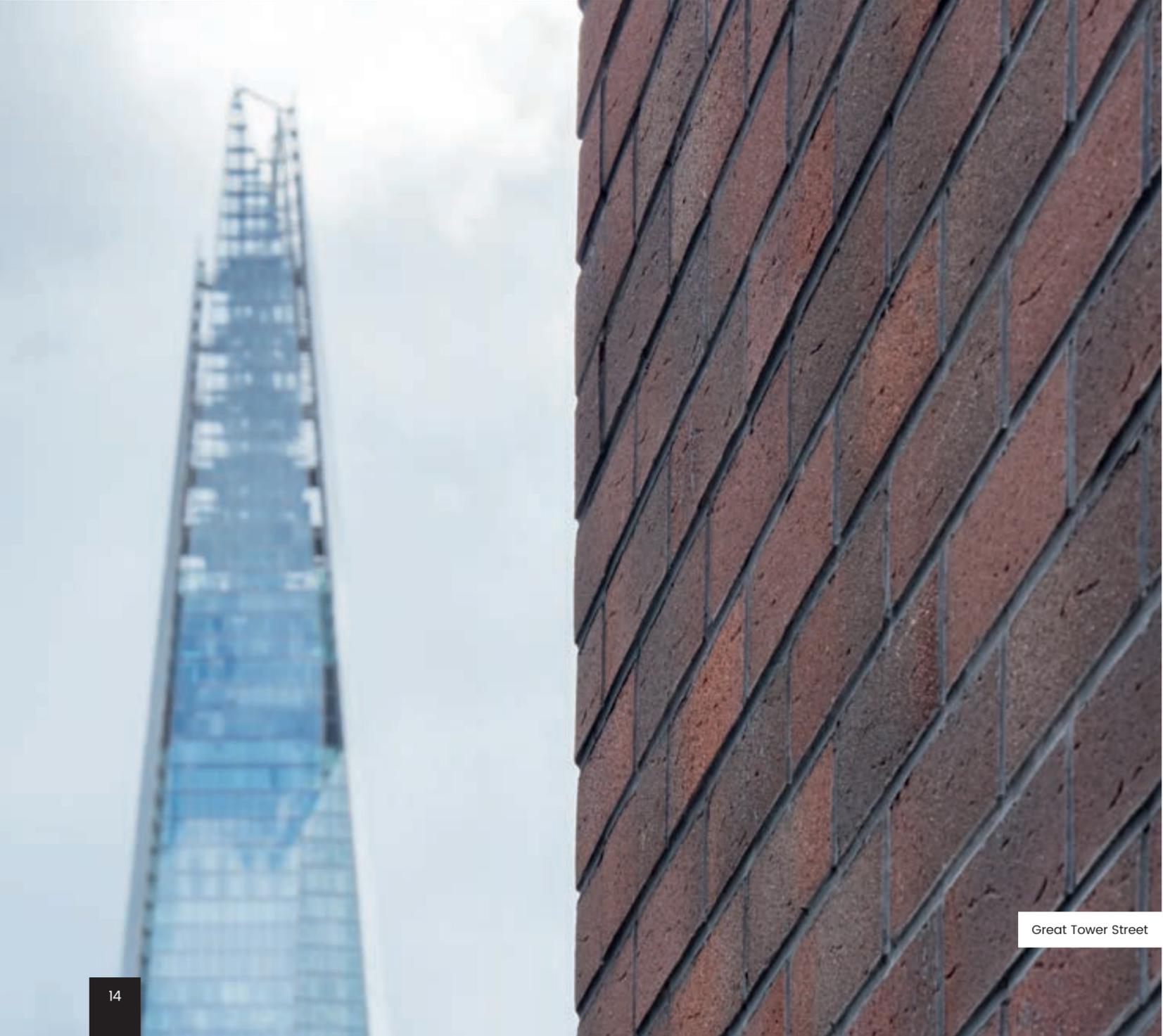
Standard panels are available in any size up to and including 1250 x 2600mm. Bespoke panel sizes can be increased up to 1250 x 4500mm (vertically), 1500 x 3750mm, or 2500 x 2600mm.



Euston Road

Reading Station

# Mechanically Fixed Brick Cladding

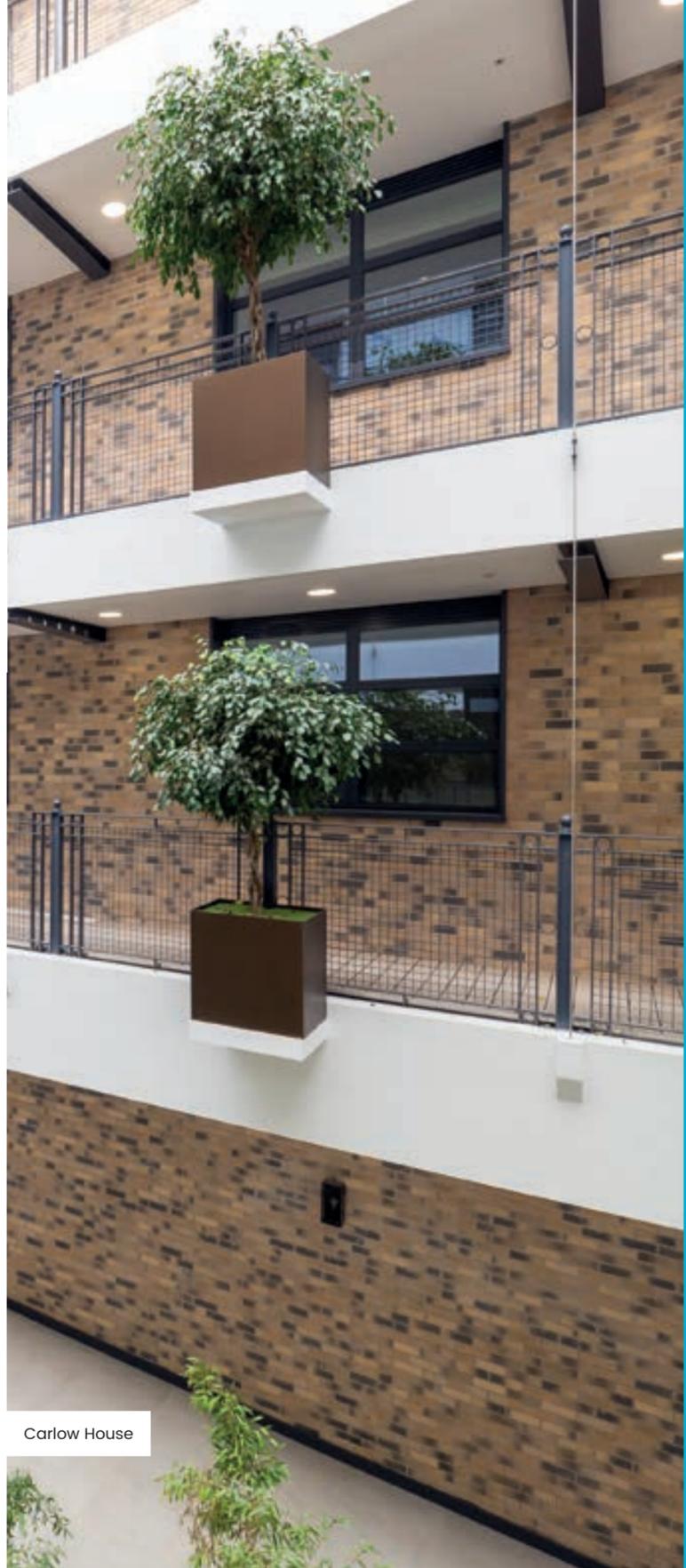
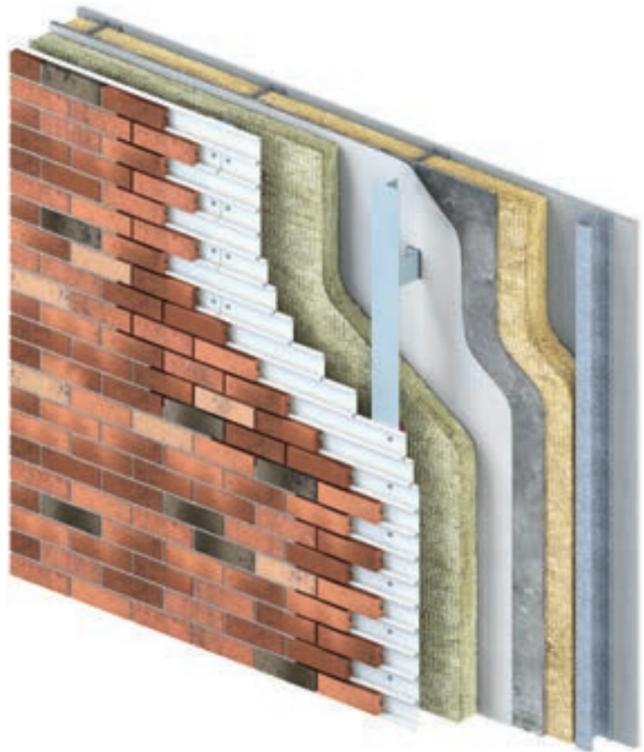


Great Tower Street



**CORIUM is a unique brick cladding system that combines the natural beauty of a clay brick finish, with a mechanically fixed fast track metal rail installation. It offers a facing brick finish for projects where a faux brick wall cladding system is required, rather than traditionally laid brickwork.**

The system comprises extruded clay brick tiles specifically manufactured to fix mechanically to a HPS200 galvanised steel backing section. These profiled interlocking lengths are mounted in horizontal rows onto a vertical aluminium support system, and the brick tiles are then clipped in place prior to the mortar being applied.



Carlow House

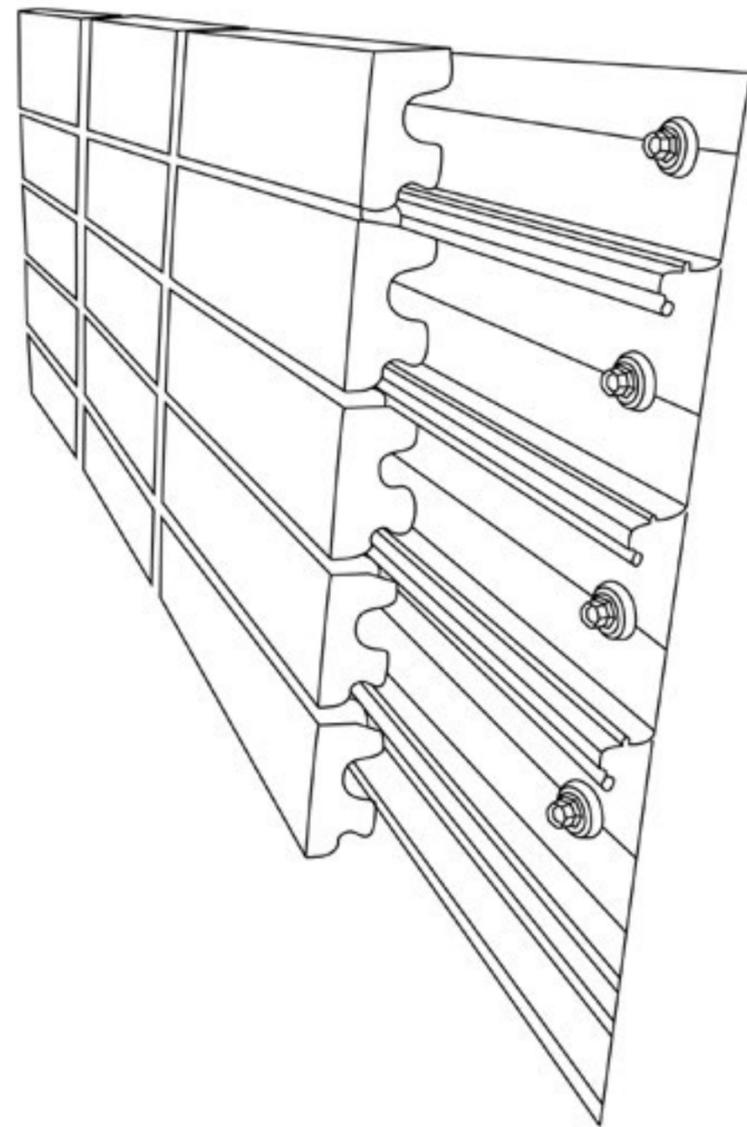


Cambridge Street

The mechanical "clipping" feature is unique to CORIUM and provides a final precision finish, whilst enabling some adjustment of tile position during installation.

CORIUM is suitable for use on a wide range of substructures including concrete, timber frame, structural steel, light weight steel frames, masonry and structurally insulated panels.

An innovative and versatile solution, the CORIUM system presents an extensive standard range of colours and textures. If you cannot find the finish you are trying to achieve, send us a concept visual so that we can investigate bespoke blends to meet your design intent.



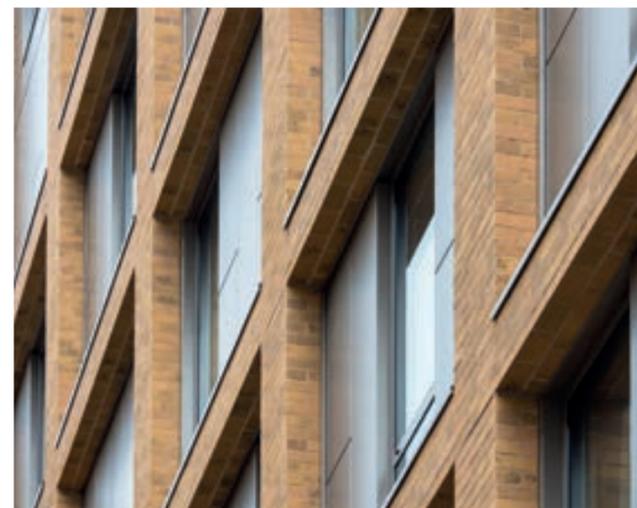
#### — Options

The standard tile size is 215 x 65mm, with heights including 50, 65, 140 and 215mm also available. CORIUM enables bespoke bonding patterns without compromising performance or build time.



#### — Quick

Building with CORIUM can be up to 3x faster than with traditional brickwork, and is easy to install. The system is also ideal for restricted sites where access and storage are a concern.



#### — Versatile

Mounted at an angle or as a soffit, CORIUM can achieve a dynamic finish. Mosaic and decorative patterns can add an extra dimension to any project. For further detail on installing CORIUM at an angle, please get in touch and we will put you in contact with the relevant specialist.

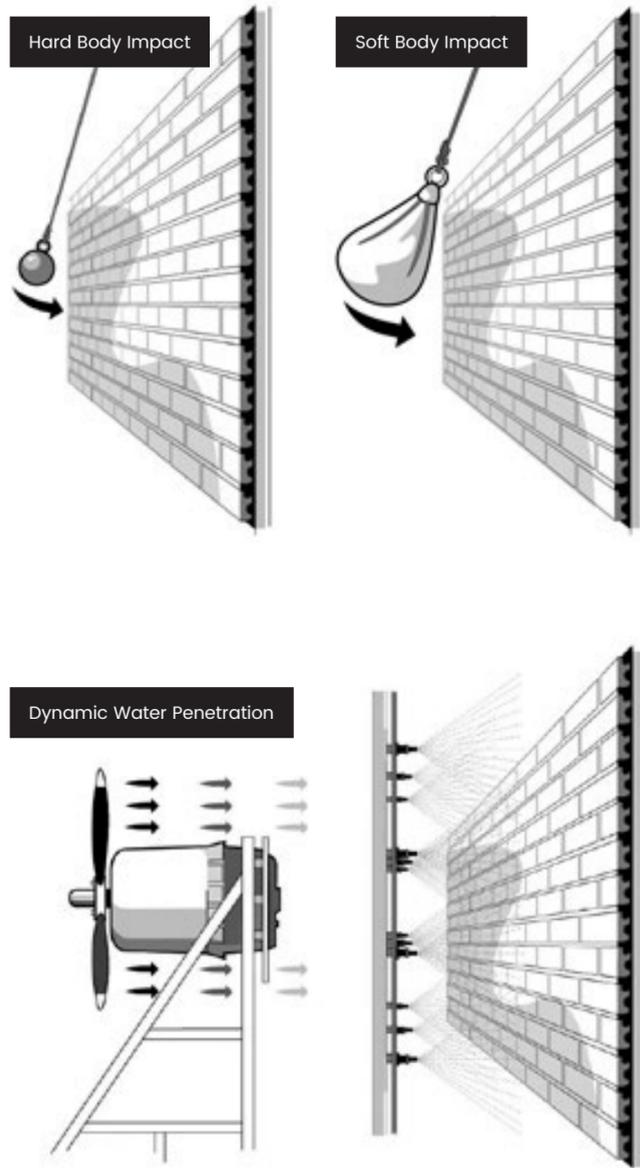


#### — Off-Site

CORIUM brick clad walls can be constructed as part of a pre-fabricated off-site solution under quality-controlled factory conditions. This allows for construction without delays due to adverse weather conditions, reduced materials wastage and dramatically reduced site construction time.

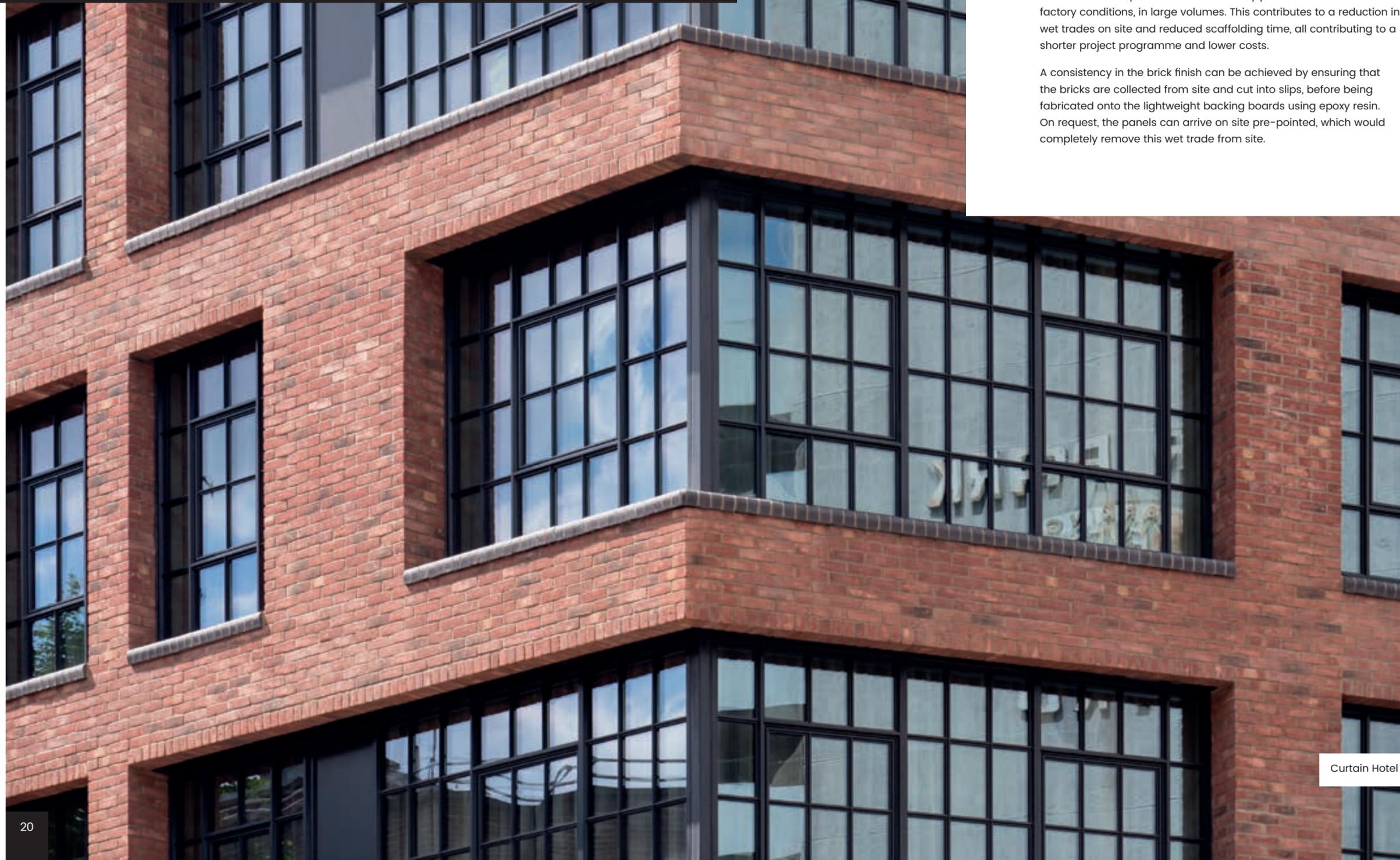
## Certified

Tested at Wintech Engineering, the CORIUM system conforms to CWCT test methods for Systemised Building Envelopes and CWCT TN76.



West Drayton

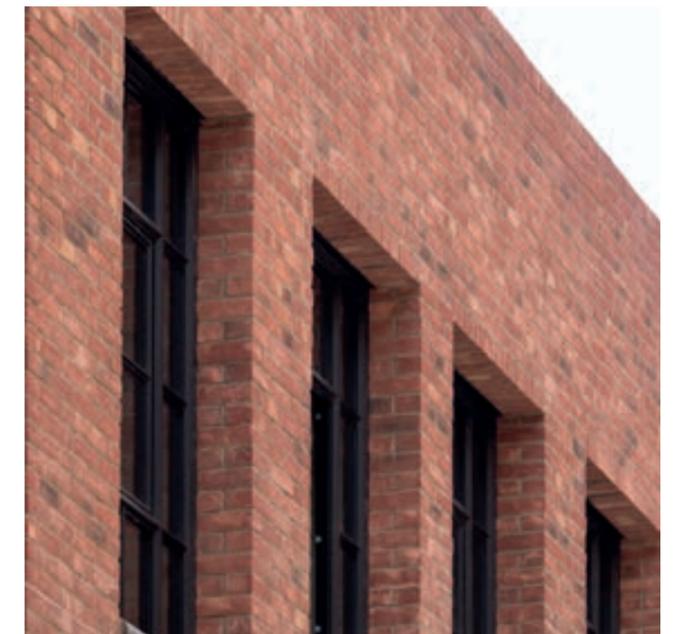
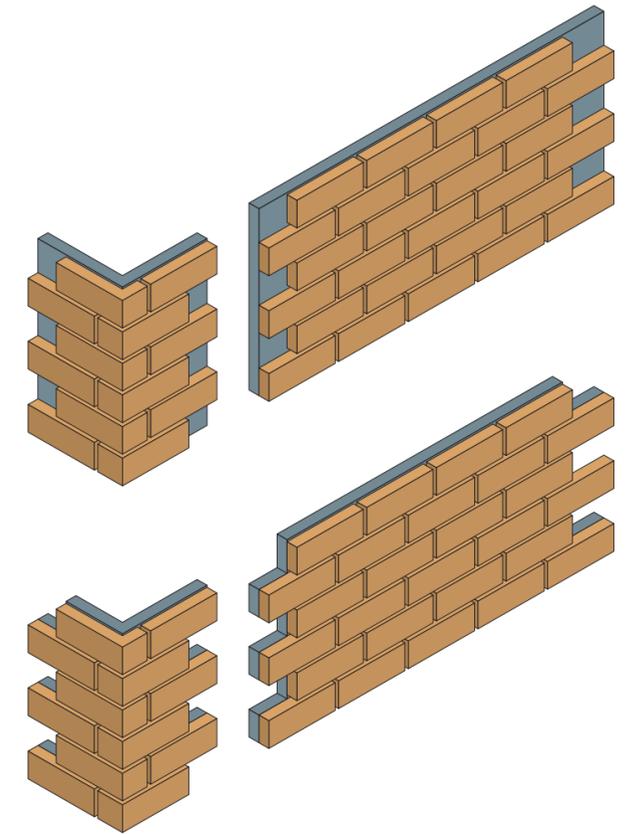
# Magnesium Oxide Backed Brick Cladding



**This system is an ideal solution for schemes where the brick facade needs to be an exact match to adjoining traditionally built brickwork, and can be used as a total or partially clad solution.**

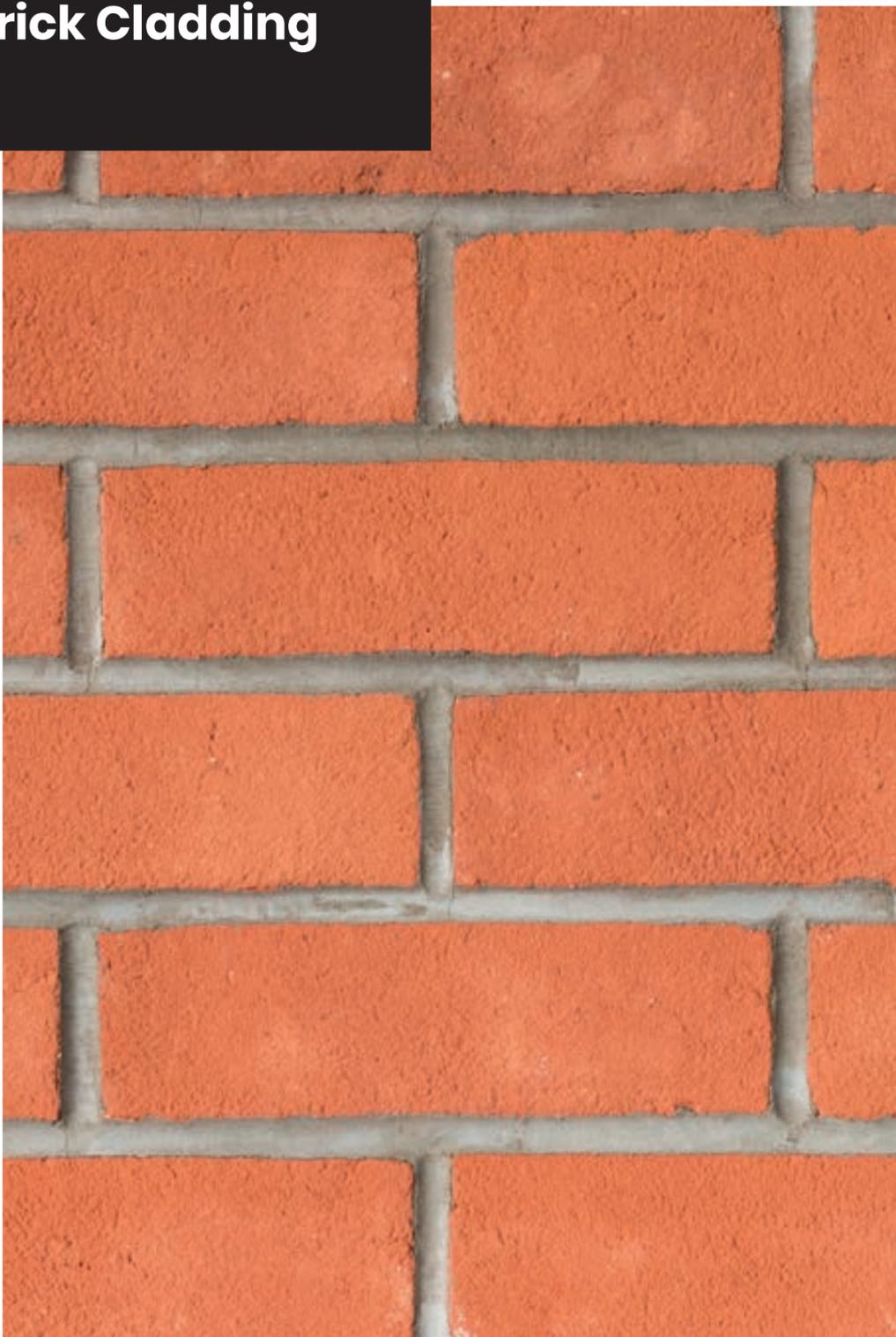
The brick facade panels can be efficiently produced off-site under factory conditions, in large volumes. This contributes to a reduction in wet trades on site and reduced scaffolding time, all contributing to a shorter project programme and lower costs.

A consistency in the brick finish can be achieved by ensuring that the bricks are collected from site and cut into slips, before being fabricated onto the lightweight backing boards using epoxy resin. On request, the panels can arrive on site pre-pointed, which would completely remove this wet trade from site.



Curtain Hotel

# Phenolic Backed Brick Cladding

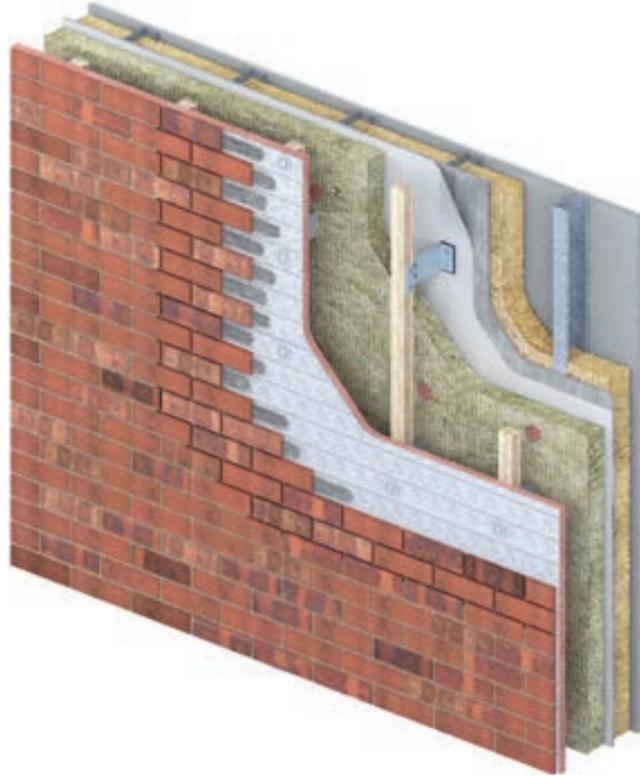


**This BBA accredited brick slip system provides many of the advantages of modern lightweight methods of construction, with the aesthetics of traditionally laid brickwork.**

The high levels of thermal insulation which can be achieved, depending on the thickness of the insulative backing board, makes this system ideal for both existing and new build projects.

20mm brick slips provide a decorative and durable finish, which can match the look of traditional facing bricks and are quick and easy to install. This system can be clad to masonry, dense concrete, modular units, timber frames, metal frames and existing or new build projects.

This brick facade system comprises of a rigid 25mm or 50mm thick phenolic insulation board, which is pre-bonded to a coordinating brickwork carrier sheet measuring 1.2m x 2.4m in size. If necessary, additional insulation can be added behind the system to increase the thermal performance in conjunction with a framed structure.



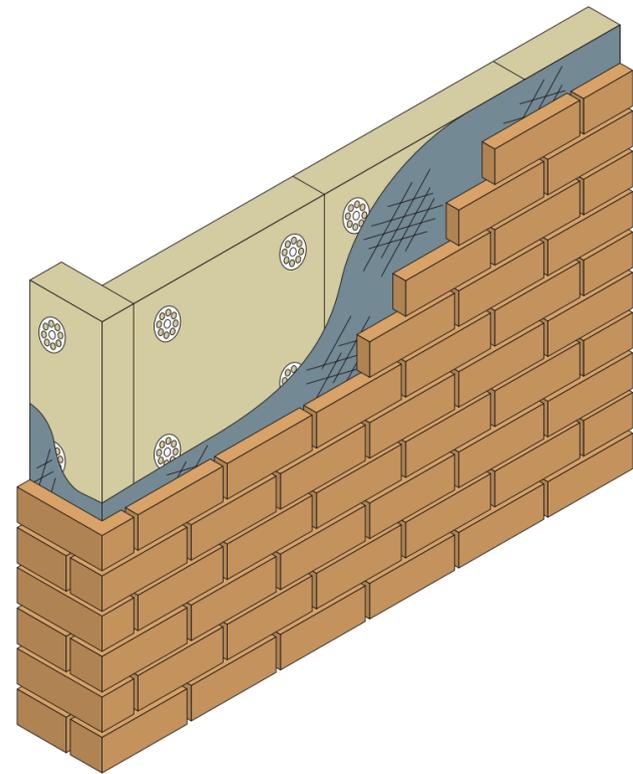
## Mineral Wool Backed Brick Cladding

**With increasing focus and legislation to support the improved insulation of buildings, it is possible to use a system which creates a brick facade finish and also provides an increased level of thermal performance.**

This mineral wool backed brick cladding system is ideal for both new build projects, and for upgrading the appearance and thermal performance of existing buildings.

Pre-formed mineral wool insulation boards are both mechanically fixed and bonded to the external face of the building prior to the on-site bonding of natural clay brick slips. Once set, the wall is pointed with a system specific mortar.

This system can incorporate almost any wire-cut or stock brick finish and being BBA approved offers both the client and contractor an industry tested and visually appealing solution.



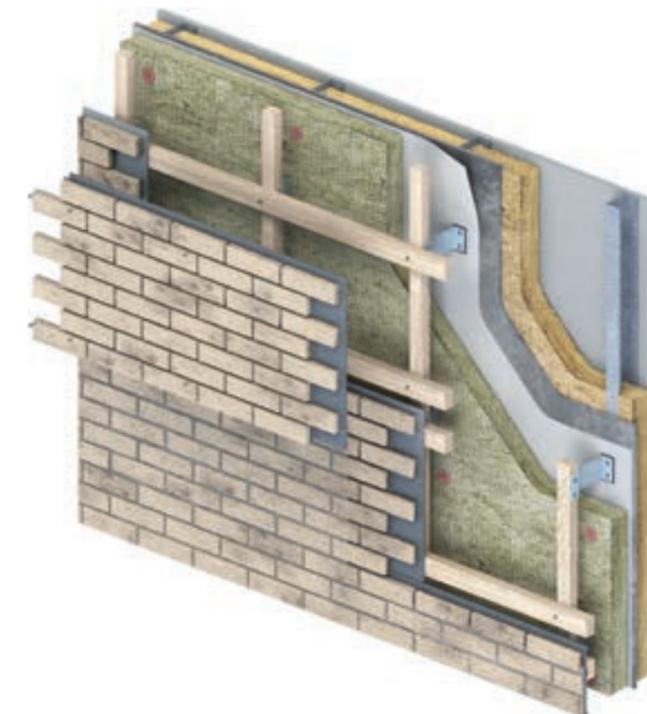
## GRP Backed Brick Cladding

**This glass reinforced plastic (GRP) backed system is an innovative weather resistant way to clad, infill or build a wall with real brick slips, and can be supplied in most brick types to replicate traditionally laid brickwork.**

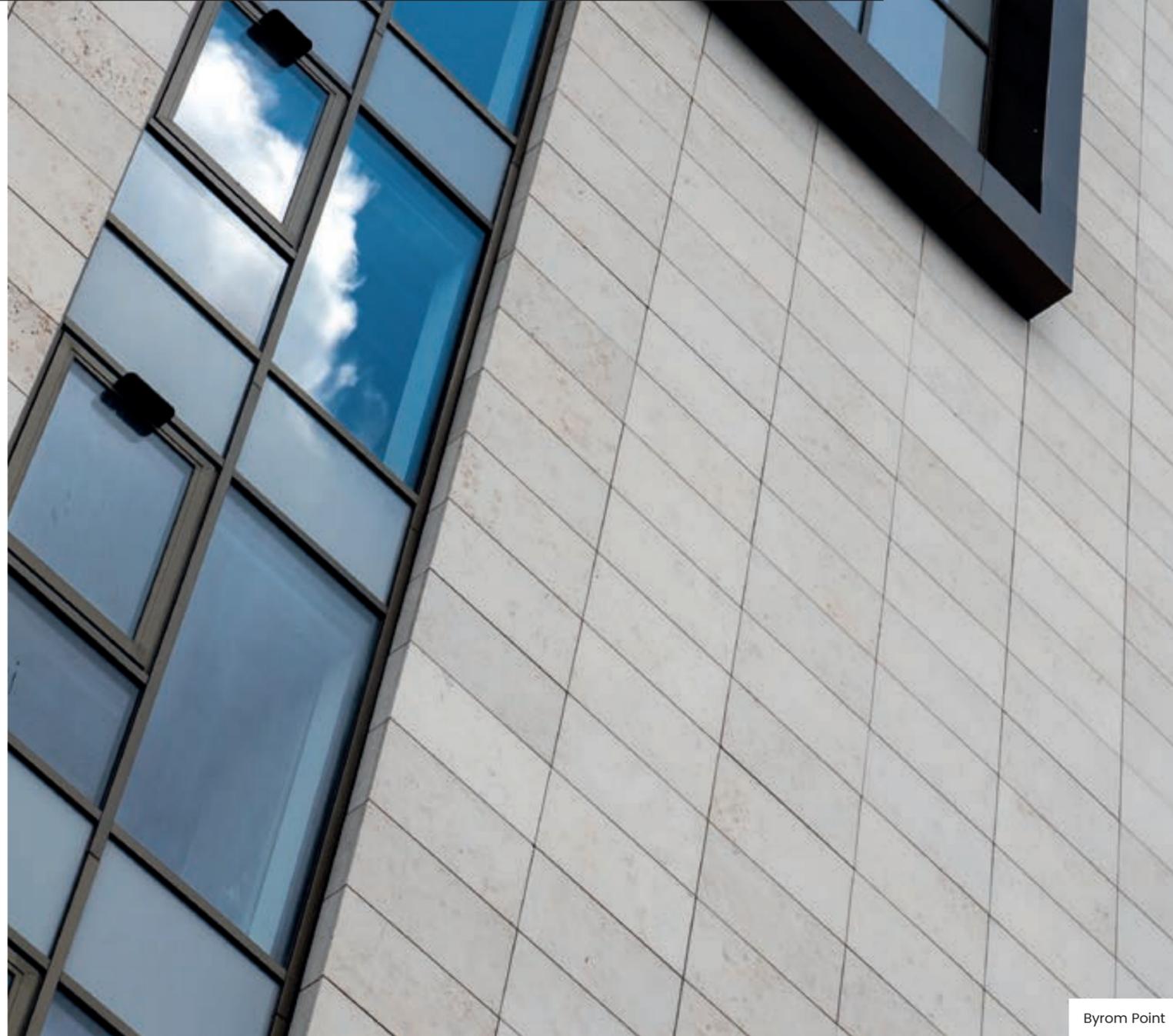
The system comprises a precision engineered composite of 20mm brick slips adhered to a patented interlocking GRP backing. A standard panel covers 0.6m<sup>2</sup>, and with a weight of 24kg, this system is ideal for projects which require a lightweight and thin through wall construction.

Bricks are collected from site to ensure that the same batch are used on both the traditional and clad elements, with lead in times for the product typically two weeks from approved drawings. The prefabricated brick work panels are fixed and jointed on site with a standard mortar, to give the appearance of a traditionally laid brick wall.

We offer a complete scheduling and take-off service, as well as numbered panel kits with corresponding site drawings, to ensure that even the most complex installation is facilitated.



# Kerf & Restraint Fixed Stone Cladding



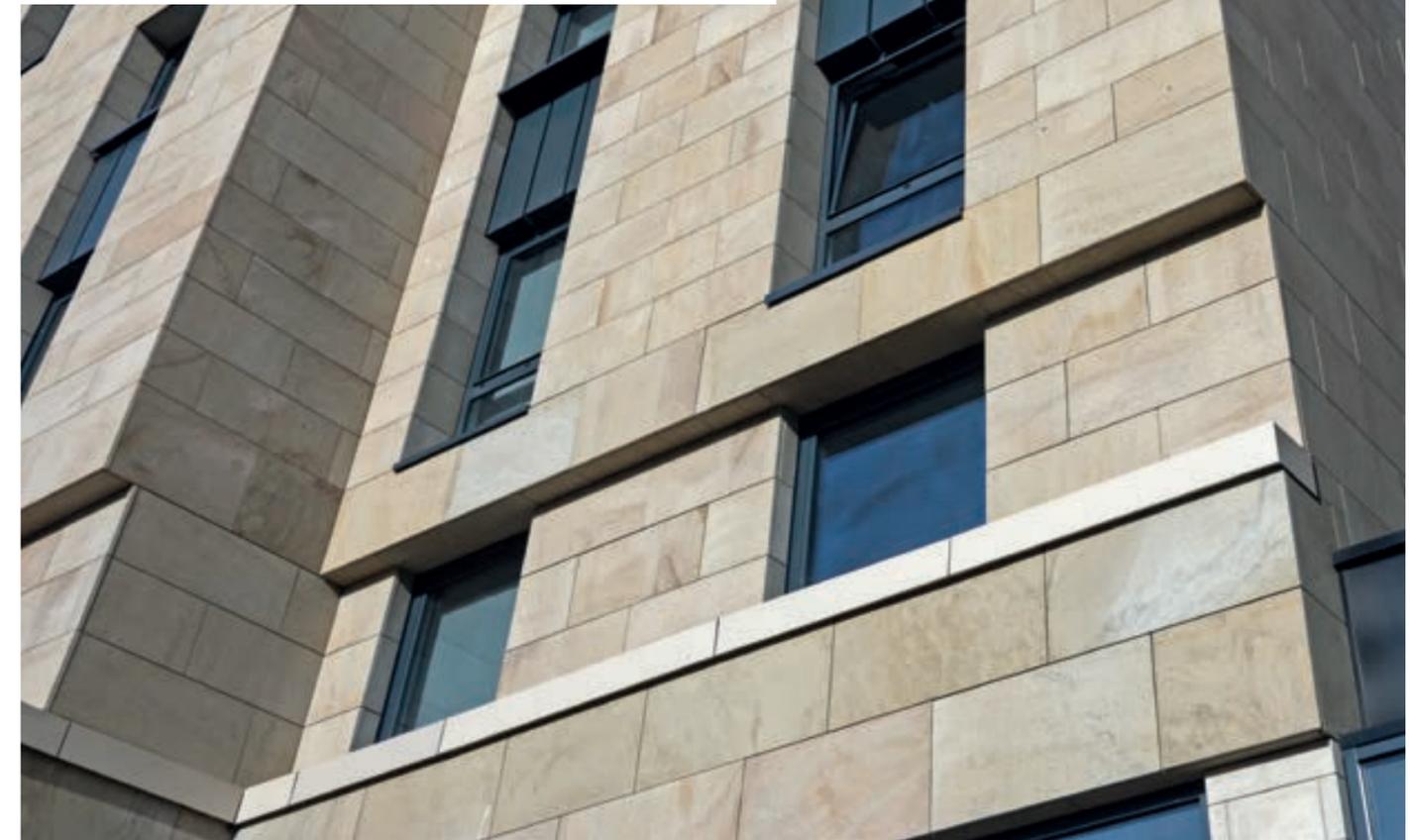
Byrom Point

**Britain's long and complex geological history has produced a diverse range of stone types, many of which have been quarried for building purposes over the centuries. Some of the country's building stone quarries have operated continuously since earliest times.**

Stone cladding facade systems provide a natural finish to complement and harmonise with their surroundings, often in conservation areas among long standing traditionally built stone projects.

The growth of natural stone rainscreen has evolved, with clients and architects still looking to achieve a natural stone facade, but with the benefits of reduced weight, construction programmes, and associated costs of using a thinner stone.

In conjunction with the requirement for a reduced build time and costs, new through wall build ups have evolved. These new construction methods have facilitated the growth of rainscreen cladding systems which are lightweight, quick to install and well suited to these newer methods of construction.



Haddington Place



## Kerf & Restraint Fixed Stone Cladding

**Natural stone rainscreen tiles can range from 20 – 40mm thick depending on the flexural strength of the stone selected.**

The most popular stone type to be used on rainscreen systems in the UK are limestones. Jura and Moleanos limestones are predominantly used due to their superior flexural strength.

Sandstones, including UK sourced options such as Catcastle Buff and Stanton Moor, are also extensively used. Care must be taken when selecting the stone type as many stones do not have an adequate flexural strength to make them self-supporting/spanning. Please get in touch and we will put you in contact with the relevant specialist to assist with your stone selection.

A kerf & restraint system is a cost-effective ventilated rainscreen facade solution offering an extensive range of natural stone finishes.

The kerf & restraint clips are a method of fixing stone cladding which offer designers and installers a positive fix to secure the panel mechanically in place. The kerf is cut into the top and bottom edge of each stone and the clip locks the tile in place and restrains its movement.



### — Lightweight Kerf System

Stone with a higher flexural strength may be used in 20 and 30mm thicknesses, which suit a lightweight kerf system.

The lightweight kerf system has a 90 degree horizontal kerf running along the edges of the stone. The panels are secured to the lightweight kerf system vertical rail using a one piece, four-way stainless steel clip attached by Tek screws.

### — Heavyweight Kerf System

Stone with a lower flexural strength requires a thickness of between 30/40mm, which needs a more robust restraint provided by the heavyweight kerf system.

The panels are secured to the heavyweight kerf system vertical rail using a two-piece stainless steel clip. This is achieved by using the heavyweight kerf system tool. The system also benefits from neoprene strips which eradicate wind rattle and assists with impact resistance.

# Hook & Adhesive Fixed Stone Cladding



Vista

**STONEPANEL™ is an innovative cladding system for walls and facades, suitable for both internal and external application. Individual pieces of quartzite, gneiss, limestone, sandstone and slate are joined to a cement base that is reinforced with a fibreglass mesh. Each piece is Z-shaped to hide the joints from view, and is very simple to install without requiring specialised labour.**

STONEPANEL™ cladding is the only natural stone pre-assembled product on the market that is backed by BBA certification and offers installation advantages over traditionally built natural stone. We are the sole supplier in the UK and hold stocks in several locations.

STONEPANEL™ Sky incorporates a hook in the back to allow for a mechanical fix, in addition to the adhesive, assuring additional strength and durability.

STONEPANEL™ can be easily cut on site using an electric grinder or site cutting bench and the pieces are laid in a 'stretcher bond' so as to deter from vertical joints being directly on top of each other.

It is suggested to fix back the stone cladding to a masonry substrate with Ardex X7G+ adhesive up to a height of 2 meters, taking into consideration the guidelines in the BBA. Thereafter, it is recommended to utilise the mechanical fix of STONEPANEL™ Sky hooks in conjunction with the adhesive.





Gneiss

### — Installation

Installs 10 times faster than traditional random walling. Typically a 2:1 installation gang can install 20-25m<sup>2</sup> a day, with no specialised labour required.



Sahara

### — Testing

BBA certified when applied to solid walls of masonry or concrete, with an impact resistance of panels according to ISO 7892.



Orient Gold



Nordic



Nile



Nordic Antique

### — Versatile

Suitable for indoor and outdoor panelling and special corners pieces can be used to return elevations to provide a monolithic and continuous appearance.



Multicolour



Multicolour Thin Set



Marina

### — Innovative

Sizes available include 610 (560) x 1.25mm and 600 (550) x 200mm. Each piece is Z-shaped to hide joints from view and does not require pointing.



Black Slate



Black Slate Thin Set

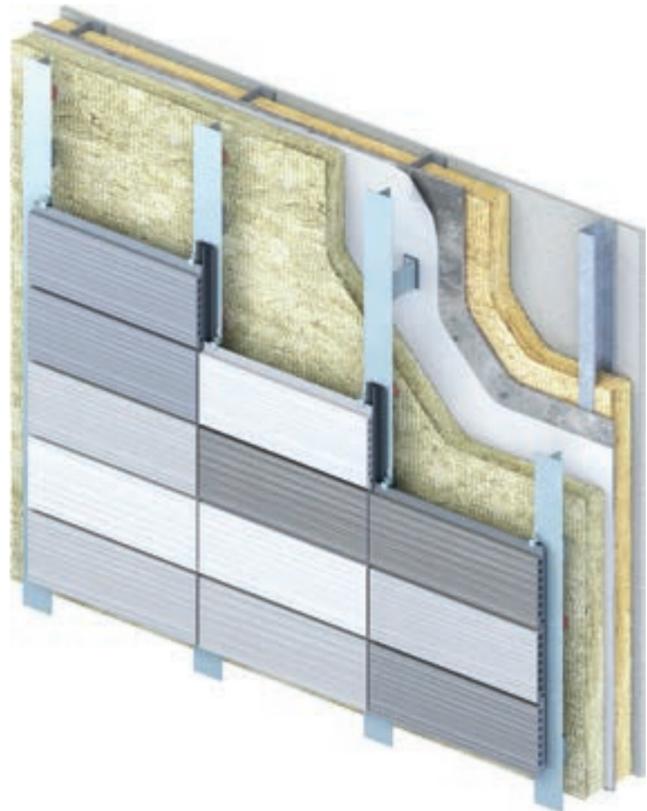
Lynwood House



# Terracotta Cladding

**The visual impact of a timeless facade, coupled with the distinctive character of natural terracotta in a ventilating rainscreen, the ARGETON rainscreen system combines the proven durability and natural beauty of clay, with a simple support structure. This enables the designer freedom of expression, and the builder a simple and quick installation process.**

Whether in a new building or refurbishment, the CWCT tested ARGETON facade system provides tangible environmental benefits, holding the Environmental Product Declaration in accordance with ISO 14025 and EN 15804 being the European standardised equivalent of a BREEAM accreditation.





Eastside Locks

### — Options

ARGETON tiles are extruded to produce plain or grooved twin-skin tiles and baguettes in a range of natural finishes, which can also be glazed. The colours of the terracotta tiles are determined by the raw material (clay), which does not contain synthetic dyes. As a result of this, the tiles will retain their colour and will not fade over time when benchmarked against many other external faced materials.

### — Versatile

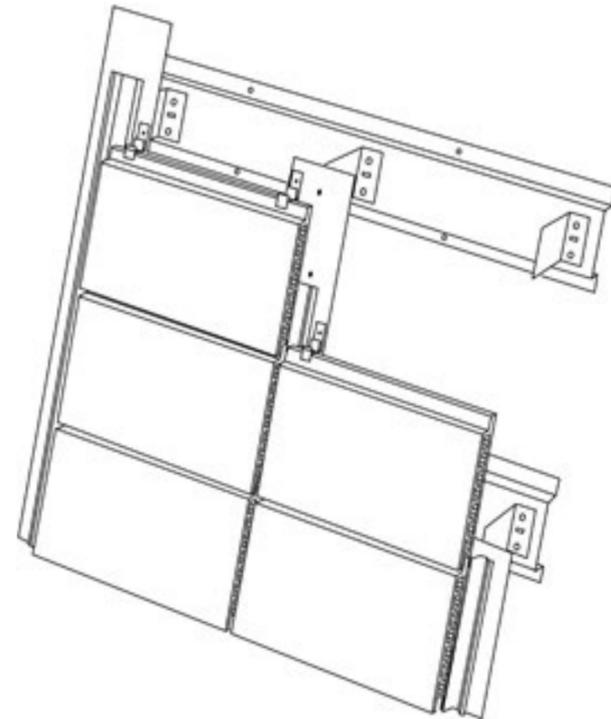
ARGETON tiles are 30-40mm thick and perforated throughout their length to create a system weight of 50kg/m<sup>2</sup>. The profile of the tile is intrinsic to its ability to perform as a rainscreen. Height modules are available from 150-500mm and in module lengths up to 1500mm dependent upon tile module height.

### — Installation

The tiles are restrained by anodised clips, which are either riveted or clamped to aluminium support rails, supported either vertically or horizontally to suit your construction. A powder-coated vertical drainage profile is positioned between the tiles and rail to manage water ingress and provide impact resistance to the system. The full system is designed without gaskets, pressure clips or seals that can either deteriorate within the design life of the system, or contribute to 'tile creep' as a result of thermal movement.

### — Certified

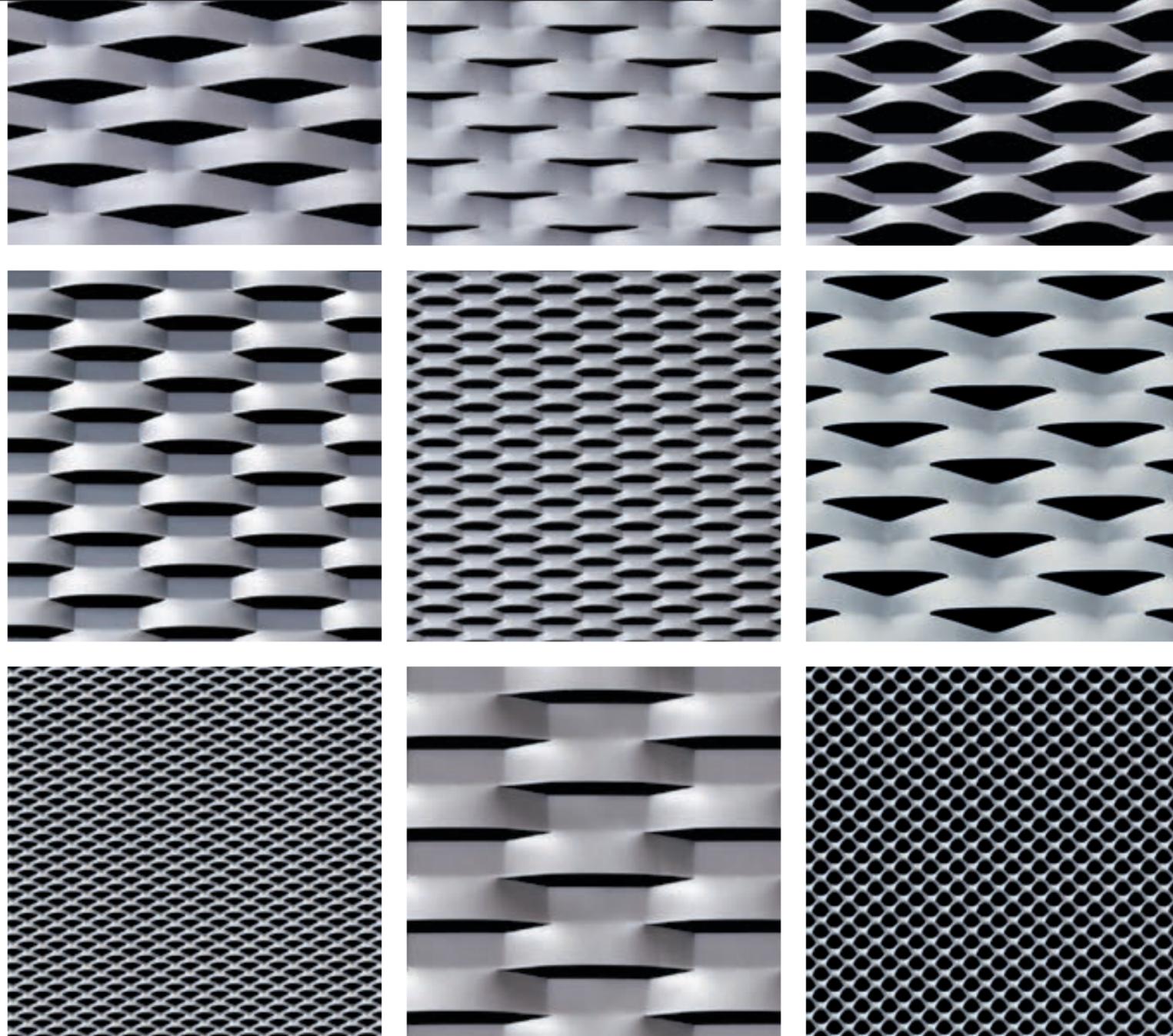
CWCT and BBA tested with regards to strength and stability, air and water penetration and durability.



Tottenham Court Road



# Expanded & Perforated Mesh



**Expanded and perforated mesh screens are extremely versatile and ideal for creating a contemporary facade, offering an instant transformation on refurbishments and new builds.**

The cladding is usually constructed from a 3-5mm thick metal sheet, with the individual design of the panel being shaped by the selected material. The amount and size of perforations, or the 'eyes' of the expanded mesh, are a critical factor for consideration in the design process.

These flexible metal patterns can be used to enhance the shape of a building and can be manipulated to achieve unusual and striking visual effects. Transparency and shafts of light caught in the perforations can produce spectacular enhancements to the facade.

The expanded mesh manufacturing process provides a material with a three-dimensional quality. It can be completely opaque when viewed from one direction, and transparent when viewed from an alternative angle.

In addition to its aesthetic qualities, expanded and perforated mesh screens are very strong, and flexible enough to be used for metalwork fabrication and metal structures.

## Options

### — Transparency

Translucence or transparency is the key function of expanded mesh. A mesh pattern with larger apertures can create visual effects that provide a glimpse of the underlying surface. Mesh patterns with smaller apertures are frequently used as a brise soleil, to shield buildings from the sun.

### — Finishes

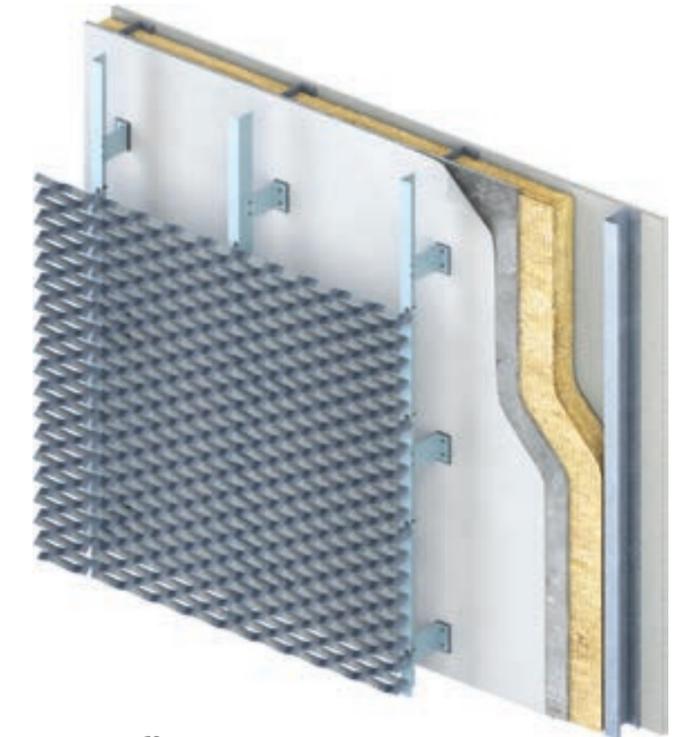
Aluminium remains widely used across a myriad of architectural applications. Carbon steel can be utilised where tensile strength is a primary factor, for example walkways. The selection of the appropriate thickness will depend on the intended usage and the loads it is expected to support.

### — Design

The design of the mesh pattern ultimately depends on the shape of the tool utilised in the expansion process. The shape may be square, diamond or hexagonal, and each eyelet has its own visual features for use in design and architecture.

### — Shading & Aeration

Expanded metal panels can provide "smart" solar blinds to reduce the heat and glare generated by the sun. Movable screens allow you to adjust the shading to suit the requirements of the building at different times of the day.



## Benefits

### — Choice

An extensive range of mesh patterns are available. These can be bordered, curved and folded in a number of different finishes including mill, powder coated or anodised. Send us a drawing or image of what you are trying to achieve, and we will work with you to design the optimum solution.

### — Affordable

There is very little waste product when manufacturing expanded mesh, thus it is a more cost-effective solution than a punched perforated sheet metal. The intrinsic structure of the mesh (being a single piece), makes it lightweight, but simultaneously stronger than other materials of the same weight.

### — Versatile

Being easy to work with and with a wide choice of shapes available, expanded mesh can be adapted to suit most applications, and easily combines with other materials, such as glass, wrought iron or natural stone.

### — Recyclable & Sustainable

At the end of its long working life, expanded mesh can easily be disposed of and is 100% recyclable.

# Metal Cladding Systems



Seven Kings School

**This innovative range of metal rainscreen systems allow a precise and efficient installation, with perfect joint lines and accurate tolerances.**

The common misconception is that innovative and stylish metal facade systems are expensive and perceived to be complicated to install and detail. This metal cladding range will allow you to achieve a stunning facade at a very competitive cost.

More and more developments are calling for fast track construction techniques to enhance performance with regards to build time and programmes. Clients are demanding reduced build time and weather tightness as a necessity to ensure that the schemes can be complete as soon as possible.

### **Unitised Off-Site Manufacturing**

The increase in popularity of off-site manufacturing has revolutionised the way buildings are being constructed. Unitised facades are designed to exploit the benefits of manufacturing off-site, and allow modern methods of construction to be applied to the external envelope.

Facades that are unitised comprise of prefabricated assembled units which are directly transported from the factory to site, for quick installation onto ready prepared fixings. Unitised facades allow designs to diverge from the uniformity associated with standard manufacturing processes, allowing a mix of panel sizes, colours and materials. Please contact our technical sales team to discuss your early design concepts.



## Extruded & Folded Metal Planks

This extruded aluminium range of metal planks are truly engineered components that offer precise joint lines. Standard panel sizes are 1200 x 100/200/300mm (L x H) and maximum lengths can be up to 6000mm. The linear expansion is 1mm/1000mm and the height expansion is 0.33mm/190mm.

This range of products can be supplied in an extensive range of RAL colours, NCS, synthetic PPC coatings, and on request a full range of anodised finishes are also available.

If you require a more cost-effective solution, an alternative to extruded metal planks is a folded aluminium system. This application provides the visual of a 'standing seam' profile and is available in finishes including PPC, anodised, stainless steel, perforated, zinc and zinc look-alike. Standard sizes for these planks include 3600 x 100/200,300,400mm (L x H) with maximum lengths up to 4000mm.

If you are looking for a bespoke, curved architectural plank these can be extruded to your desired radius.



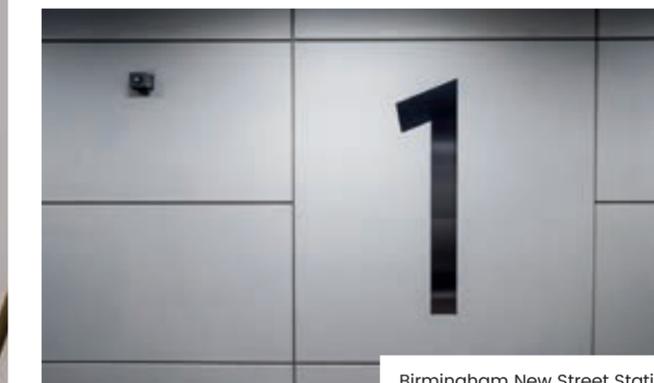
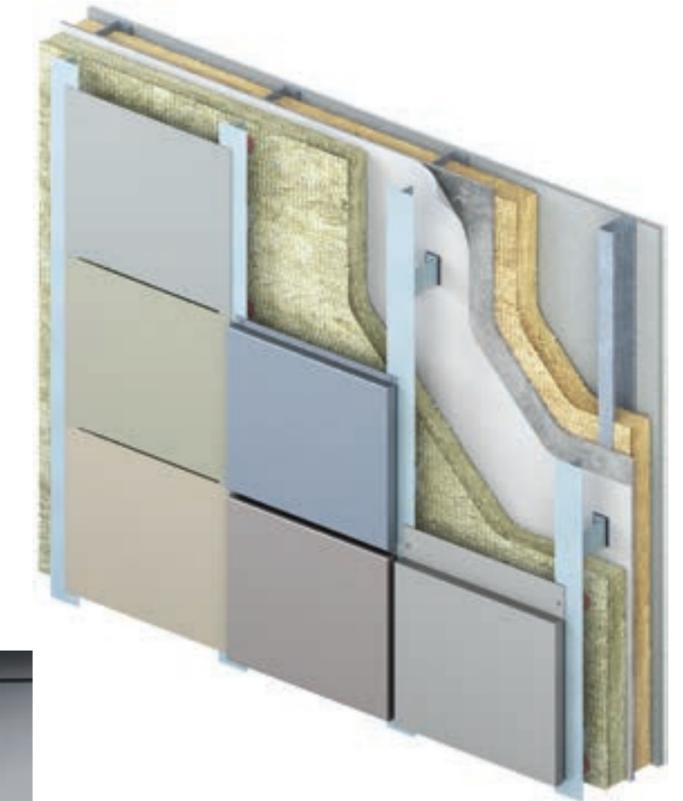
Royal Arsenal Premier Inn

## Secret & Recessed Joint Fix

Architects looking for a smooth continuous facade, without visible fixings, have two choices to consider. The first option is to use a secret fix system, whereby the method of securing the cladding panel to the support structure is at the rear of the panel.

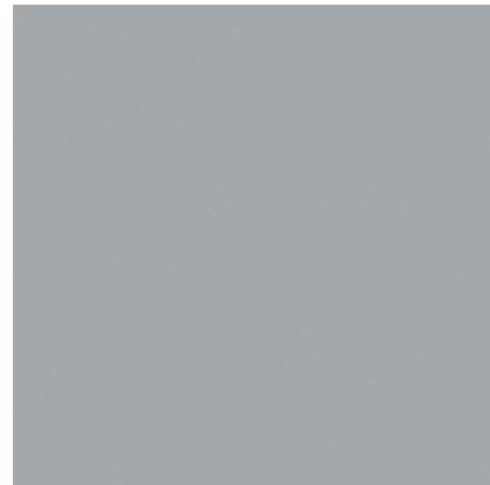
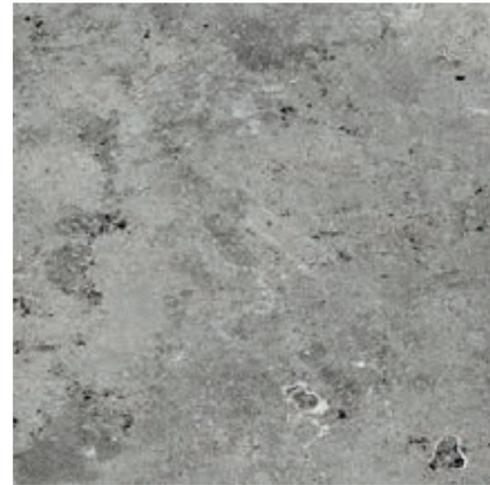
The second option is a compromise between faced fix material and truly secret fix, whereby the fixings sit between the shadow gap of adjoining panels, creating a recessed joint fix. In addition to this, the recessed joint fixing allows each panel to be individually demountable, which may be useful if any panels need replacing.

Both these systems are available in ACM, PCC aluminium, zinc and zinc look-alike finishes.



Birmingham New Street Station

# High Pressure Laminate Cladding



Kronoart represents a new generation of hi-definition and durable architectural facades, manufactured from high pressure laminates (HPL). HPL boards, with reference to EN 438-4, consist of multiple core layers and a decorative resin-impregnated paper. HPL is a perfect material for surfaces that require enhanced durability and impact resistance. The product is ideal for facade cladding, balcony infills, soffits and solar shading.

Kronoart is available in numerous standard colours and four textures. If you have a project which requires a bespoke colour or finish, please consult our technical sales team who will be able to provide samples and assistance.

High pressure laminate panels contain up to 70% natural fibres and require very little ongoing maintenance after installation. The unique closed cell uniform surface of Kronoart panels resists almost all accumulation of dirt. The panels are highly scratch and impact resistant compared to many other types of facade materials. As such they are ideal for use at low levels in high impact and footfall areas.



## — Options

Kronoart is available in board sizes of 2800 x 1300, 3050 x 1300, 2800 x 2040, 5600 x 2040mm in thicknesses of 6, 8, 10, 12, 13mm.

## — Versatile

If you have a project that requires in the region of 300sqm+ of digitally printed cladding material, please send us your design visual for discussion. All Kronoart panels are UV protected on both sides.

## — Installation

The facade material needs to have the ability to expand and contract independently from its associated load bearing sub-frame, due to the natural effects of heat and moisture. This restricts the maximum size of panels, as well as the minimum dimensions of the joints between panels. Please consult our technical sales team for further information.

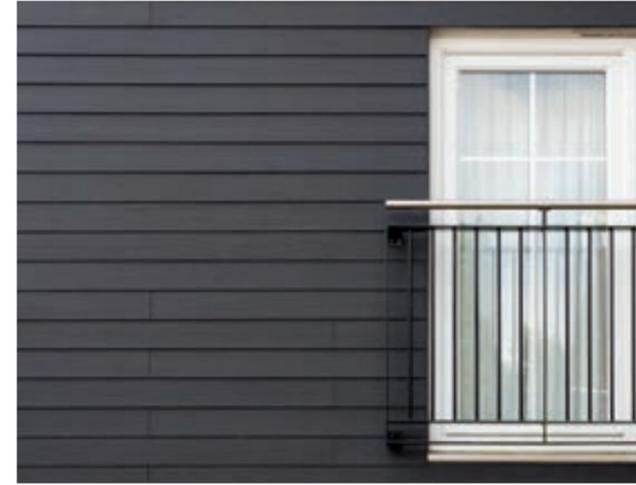
HPL panels must be installed on a supporting sub-frame which has been calculated, and is agreed to be of sufficient strength and durability to support the panel throughout its life span.

Kronoart requires a suitable drainage cavity at the rear of the panel to ensure that any moisture trapped is able to ventilate away.

# Fibre Cement Weatherboard



Firepool Lock



**Fibre cement weatherboard is a highly durable, low maintenance and versatile material, with many different colours and textures available.**

Made from a combination of engineered cellulose-fibre and cement composites, these boards offer the texture and natural beauty of timber whilst delivering the fire, moisture and rot resistance of an engineered cement composite (ECC). Fibre cement boards are impact, fire, insect resistant and weatherproof.

Fibre cement boards can be installed horizontally, vertically, diagonally or on a curve, providing full freedom and flexibility to create any design, making it an ideal choice, particularly for housing developments.

Fibre cement can offer up to three times more dimensional stability than wood as it doesn't crack, swell or warp as the natural product would. With its outstanding mould and moisture resistant properties, the unique formulation doesn't deteriorate if exposed to damp or wet conditions and requires minimal maintenance.



### — Full Design Flexibility

This fibre cement range offers multiple colour and texture options, with a full range of colour matched or complementary coloured trims and accessories.

### — Low Maintenance

These attractive and long-lasting facades are very low maintenance, requiring a very light cleaning of household soap and water yearly to maintain the beautiful finish.

### — Fire Resistant

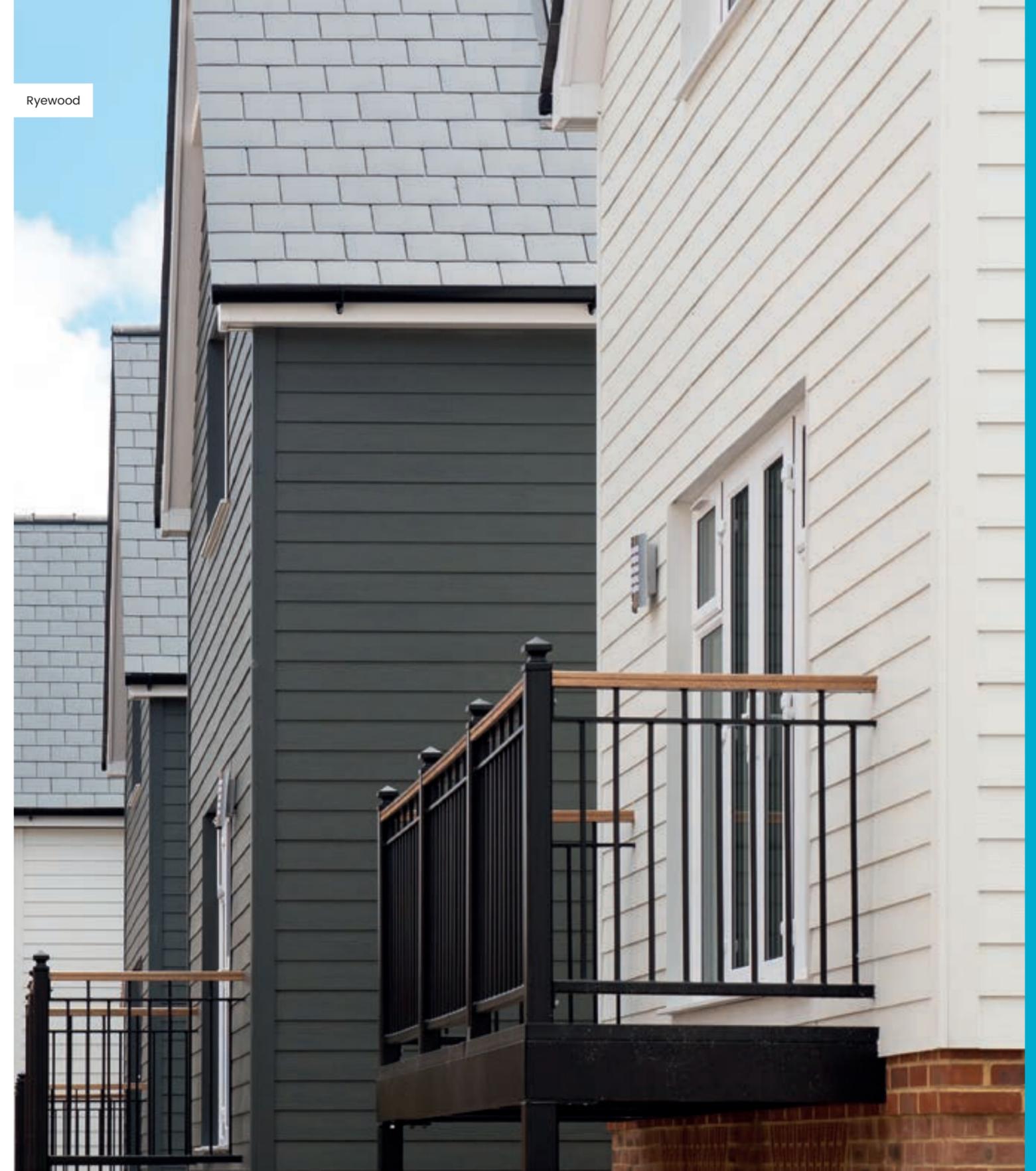
This product carries an A2 fire rating; there is no risk that the ECC will ignite and spread flames through a building or adjacent building.

### — Lightweight

The fibre cement panels are lightweight, allowing for easy manual handling on site. Fibre cement boards are lightweight and easy to cut without breaking, chipping or requiring specialist machinery. No special preparation or pre-drilling is required, the fibre cement boards are fully sealed, primed and painted in the factory.



Ryewood



Ryewood

# Mineral Fibre Decorative Cladding

**Mineral wool boards are an exterior cladding option manufactured from sustainable basalt volcanic rock and bonded with an organic binder, that offer the longevity of stone and the added flexibility of being as easy to work with as wood, in one product. These unique properties result in highly durable, workable and low maintenance boards.**

In addition to the vast range of standard colours available, mineral wool boards are also available in a range of special finishes such as woods, stone, metallic and chameleon where the colour of the boards change depending on the viewers vantage point and the amount of natural light available. These flexible and robust boards can be applied easily and can even be shaped, curved or perforated.

Mineral wool boards are lightweight and can easily be cut to size on-site using traditional cutting tools and their edges do not require sealing. They are quick to install with screws, nails, or in some cases adhesives, requiring no special tooling, meaning construction and installation costs are kept to a minimum.

When compared to a standard ventilated brick wall construction, mineral wool boards use considerably less space, which results in a larger indoor area offering the same, or in many cases better, thermal performance.



St. John's Student Accommodation

St. John's Student Accommodation



## — Unrivalled Stability

Like few other building materials, basalt cladding panels retain their dimensions and properties under all conditions, and are not affected by temperature, humidity or rain.

## — Fully Sustainable

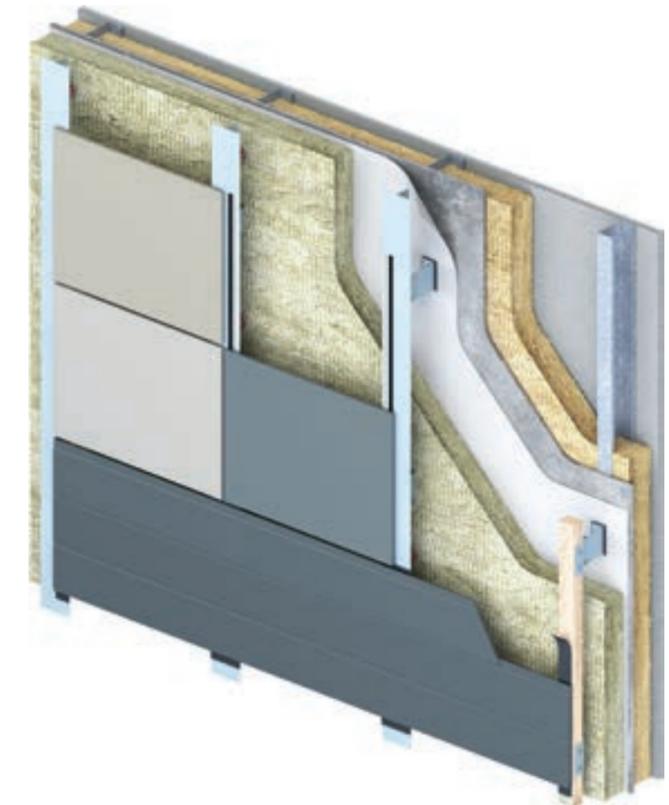
Mineral wool boards are manufactured from basalt rock, a raw material that is abundant world-wide and is recyclable in the production cycle.

## — Easy to Maintain

Mineral wool boards are easy to maintain. The surface permanently resists sun, wind and rain and the freshness and radiance of the colours are apparent for decades.

## — Easy to Work With

Mineral wool boards are as durable as stone and as easy to work with as wood. They are very light and can be machined quickly and easily using standard tools, saving installation time. This allows your building to be more economically constructed without compromising on design, shape or functionality.

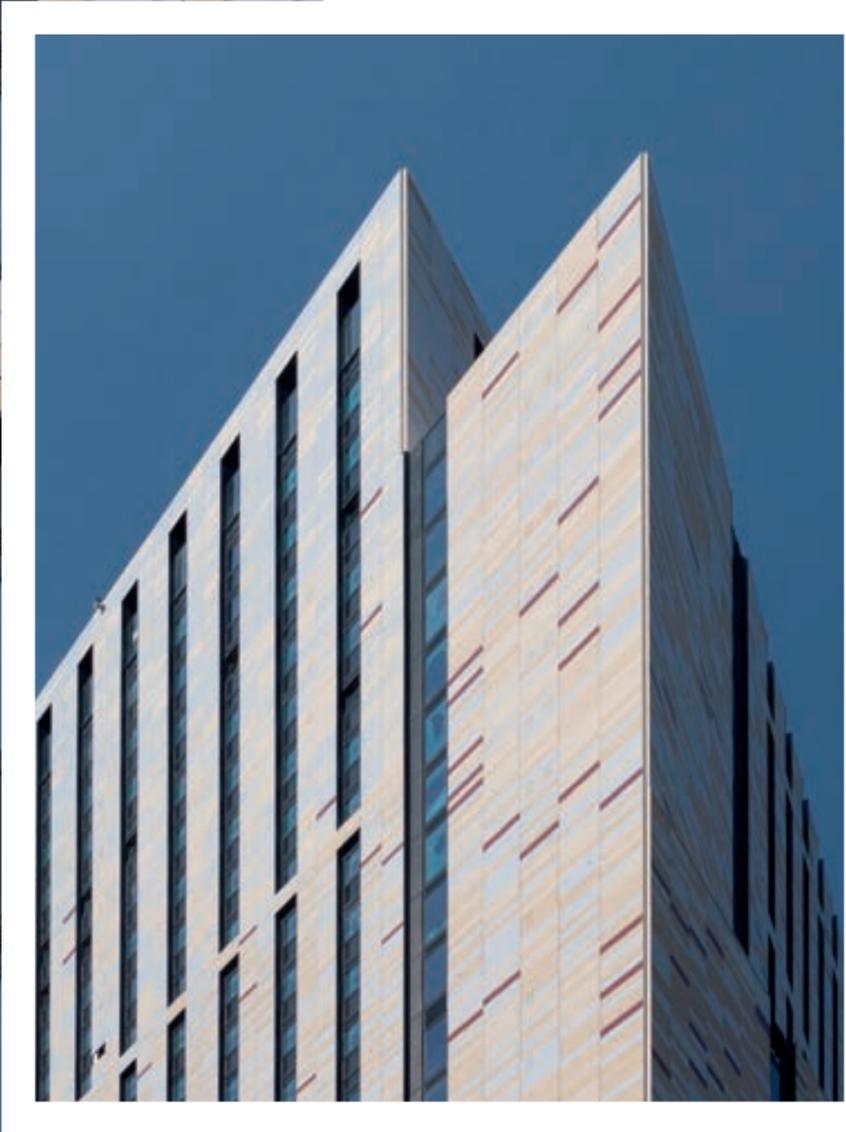


# Atlas Tower

ARGETON terracotta cladding



Atlas Tower



# Belmont House

## CORIUM mechanically fixed brick cladding

**The £30 million grade A redevelopment of Belmont House boasts some of the largest floor plans in any Thames Valley town centre, providing more than 125,000 sq. ft. of office accommodation over five storeys.**

Situated in the heart of Uxbridge town centre, the new office block has a superbly convenient location with easy access to London via the nearby train and tube stations and excellent transport links to Heathrow via the M25. Notable neighbours include Coca-Cola, Xerox and PricewaterhouseCoopers.

The tired 1980s office block facade of Belmont House was stripped back to the original concrete frame to facilitate the modernisation of the dated design and provide a fresh and efficient first class office building for the area, designed by architects TP Bennett for their client Aviva.

Following the complete demolition of the buildings central core area, major strengthening works to the existing concrete frame has enabled an additional fifth floor to be added at roof level, as well as two terraces, a full height atrium, and the brand new entrance that you now see on Belmont Road. Following a change in the design, David Blair – Director at TP Bennett, worked closely with Taylor Maxwell to find a suitable facade for this premium project.

"We moved away from the original design which called for a traditional brick" recalled David, "and Taylor Maxwell suggested the CORIUM brick cladding system as an alternative."

David continued, "We didn't want the building to look overly uniform, so we worked with Taylor Maxwell to create a blend that would give the facade a 'multi' type characteristic that our client was looking for in the original design."

A Cladding Specialist at Taylor Maxwell explained the process of producing a bespoke blend for this project; "The team at TP Bennett were looking to create a blend that would both suit and enhance the design of the building and its surrounding area. In the first instance, we reviewed a number of yellow tiles from CORIUM's standard colour range, from which the architects selected a number of tiles they liked which they wanted to develop. From here we carried out a product development process resulting in four 'new' tile colours and agreed on the percentage blend of these. Finally, we produced project sample panels which were pointed using different mortar colours, to reach a decision on an overall aesthetic that everyone was happy with."

David added, "The team at Taylor Maxwell were very good in working with us through the process, providing a wide selection of potential tiles and helping to create the blend that we felt had the aesthetic characteristics we were after, which I think we achieved quite successfully."

In order to aid a smooth installation process, Taylor Maxwell arranged for the circa 2500m<sup>2</sup> CORIUM brick tiles to be delivered to site pre-blended. This meant that the tiles could be selected from one pack at a time, and removed the need for blending to take place from multiple packs on site, minimising inefficiencies in time and space. Project Director Peter Denness of main contractors McLaren Construction, had worked with Taylor Maxwell in the past, but explained how happy he was with his first experience of using CORIUM on site on this project; "It's a joy to work with, easy to fix, and one of the biggest advantages is the flexibility it offers to a build."

Peter continued, "We actually built Belmont House from the top down. By putting the roof on and starting on the top floor, it allowed us to get water-tight very quickly so that when the following floors were being installed, they were off the critical path and we could start the fit out process a lot earlier. This level of flexibility really suited us and the project. I'd definitely use CORIUM again."

"Everyone seems to be very happy with the finish of the building" David surmised, "It has met all expectations and looks very crisp. The brick cladding has rebranded the building and given it a new lease of life. There were a number of complex details and interfaces between the existing and new structures that were overcome in design through close co-operation between all involved, and the end results are quite impressive. The finished project is exactly as everyone had hoped, if not better, which is a great result."

Peter Denness agreed, "Everyone involved with the process agrees that the new Belmont House looks fantastic, and it really makes a significant contribution to the regeneration of Uxbridge town centre."

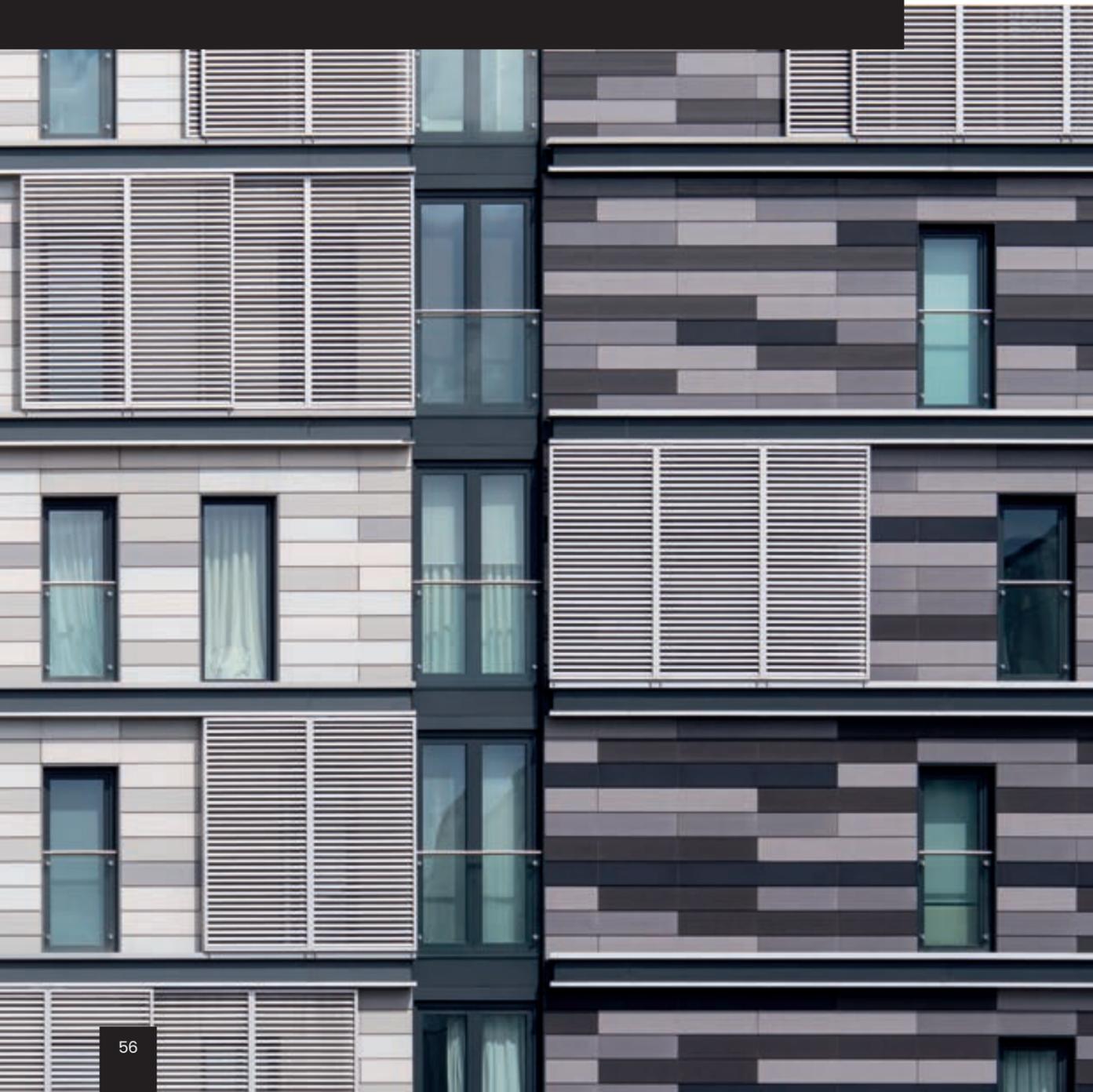


tp bennett

MCLAREN

# Arthouse, Kings Cross

ARGETON terracotta cladding



See more projects at [taylor-maxwell.co.uk/projects](https://taylor-maxwell.co.uk/projects)



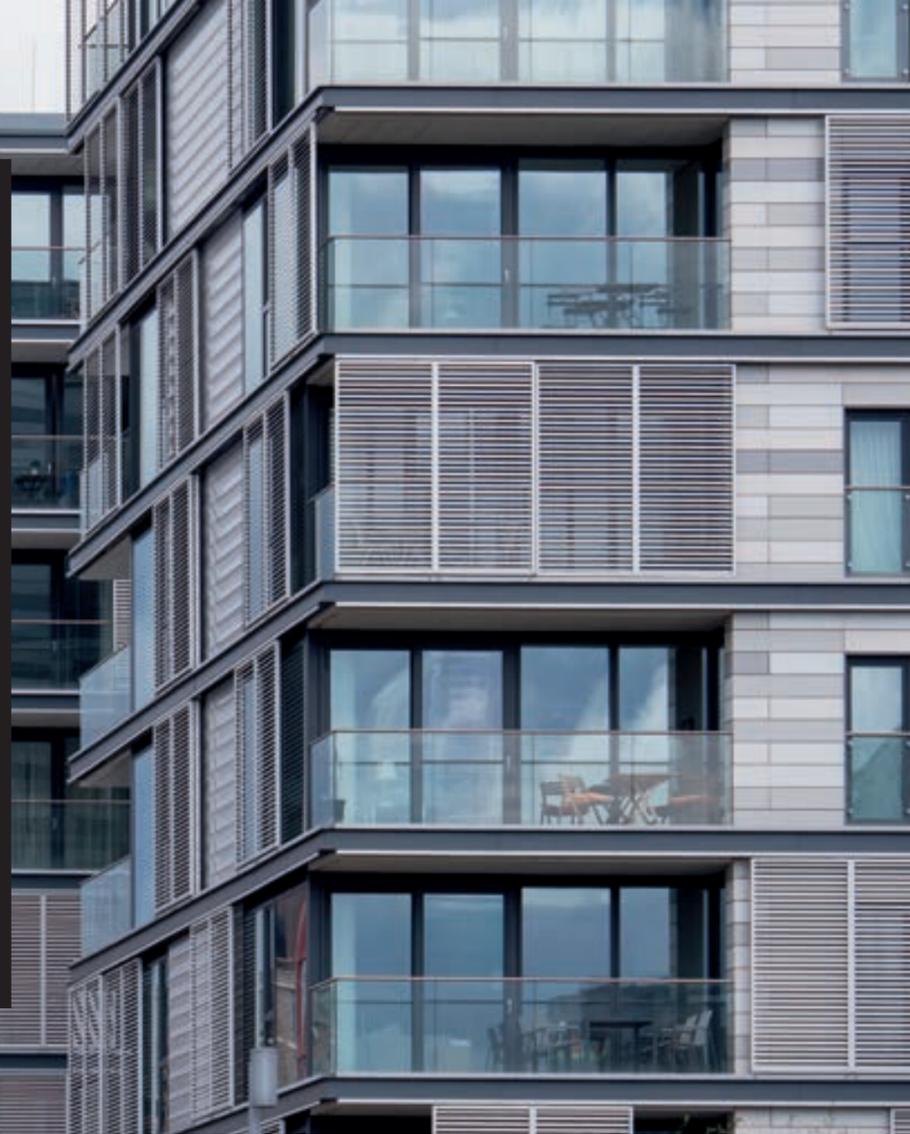
**Following a decade of careful planning and a lot of hard work with many partners, Arthouse – the first phase of King's Cross is now open to the public.**

The £550m redevelopment project has transformed King's Cross railway station and its surrounding area from its Victorian construction to its sleek contemporary rebuild, which will define the standard for new homes in the surrounding area. King's Cross Central is one of the most significant development and regeneration opportunities in Central London and one of the largest urban regeneration projects to date in Europe.

“

We received an excellent responsive service which was at all times prompt and helpful. There were stages when we needed to make decisions quickly and build mock ups for the Planners - nothing was too much trouble for Taylor Maxwell.

Melanie Whild, Partner  
Weedon Architects



The location of the Arthouse is simply fantastic; the building looks out over Regent's Canal and the new Handyside Gardens with great views across the city. Surrounded by galleries, concert halls and museums and just minutes from the most connected transport hub in London, the building will offer contemporary city living and will be part of the brand new postcode, London NIC.

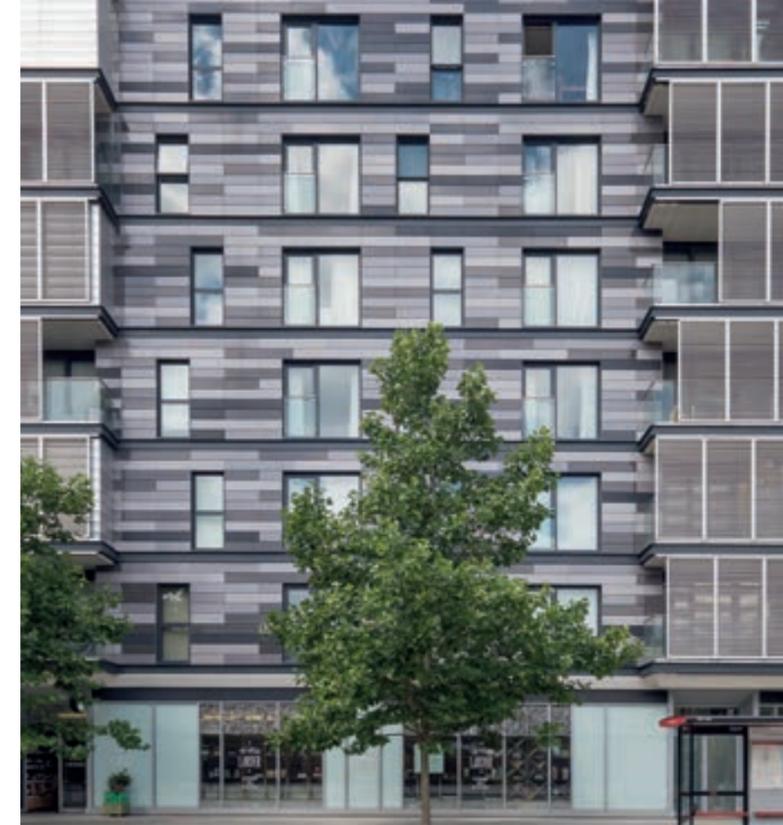
Arthouse itself, was a £42 million private residential scheme involving the Weedon Partnership and developed by Kier Construction.

Melanie Whild, Partner at Weedon Architects said, "This is a complex facade and due to the gradual curvature of the building in plan and the expressed apartment blocks no two intersections are ever the same. The elevations use a variety of materials combining them to create unique spaces and apartments for all - each apartment is different to the next - the individuals desire to be different to his neighbour is a factor which is often lost in apartment buildings.

Taylor Maxwell played a significant role in delivering the building's striking facade. This comprises approximately 3000m<sup>2</sup> Glazed ARGETON Terracotta tiles which reflect the contextual colours of the site, through the juxtaposition of a contemporary light and dark monochrome palette. Each palette consisted of four colours of which two were satin and two were high gloss.

The combination of gloss colours used on this project were completely bespoke, therefore Taylor Maxwell worked with the contractor, client and Weedon Architects in order to select the levels of gloss required from the manufacturer. The paramount benefit of this meant that the architect, client and contractor could be completely assured that the product they were choosing for such a prestigious project was the right one for them and would live up to their aesthetic expectations.

Melanie added, "we found the materials (the ARGETON Terracotta Rainscreen tiles) versatile to achieve this goal. The impact of the high quality materials and overall design enhances the area and environment. The building is an external art form for all to appreciate and enjoy not just the owners and occupiers."

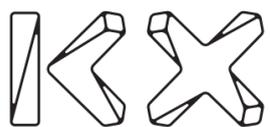


The facade is complemented by a unique series of sliding louvred screens incorporated into the design as a response to the resident's need for shade and privacy. These screens animate the face of the building through the random positioning by residents as they take advantage of their ability to control their environment with shading.

The building is home to 143 intelligently planned apartments distributed between four, 8-storey residential clusters, creating localized communities and the ability to maximise dual aspect apartments. The residential accommodation stands on a fully glazed chamfered plinth comprising commercial space and entrance lobbies, with a basement carpark.

The location, the connections, the canalside setting, the rich and varied heritage, an exciting cultural scene, a thriving business community, and a strong sense of local community; all these things come together at King's Cross to make it unique, exciting and really quite special.

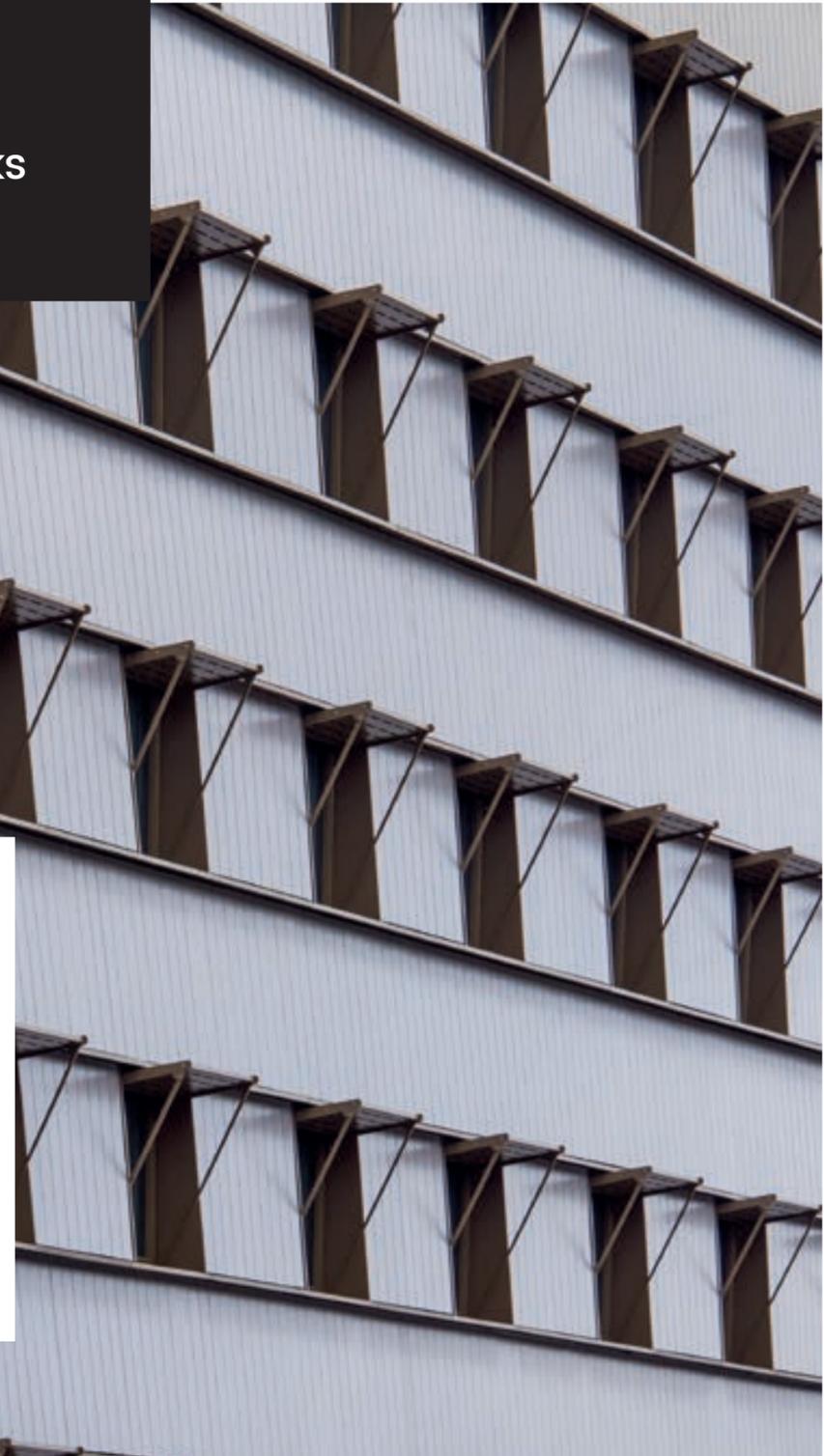
"We received an excellent responsive service which was at all times prompt and helpful, there were stages when we needed to make decisions quickly and build mock ups for the Planners - nothing was too much trouble for Taylor Maxwell, the team even went to the ARGETON factory in Gorlitz, Germany at short notice to see the terracotta being made and select the final palette of colours."



# Royal Arsenal

## Extruded & folded metal planks

The £1.2bn masterplan for the Royal Arsenal Riverside is an exciting high-quality, residential-led scheme that maximises the potential of its prominent city location adjacent to the River Thames. Designed by the renowned architects Allies & Morrison, the scheme blends the local historic architecture with contemporary style to completely revitalise the area and create a new vibrant and sustainable community.



Formerly an 88-acre brownfield site, the Royal Arsenal Riverside development is an award-winning masterplan, realised by project developers Berkeley Homes, that comprises extensive residential, commercial and leisure spaces. With the intent to create a completely integrated community, the site fuses modern architecture with neighbouring Grade I and II listed buildings to capture the extensive heritage of the site and bring much-needed regeneration to the South-East London area.

Located in the Borough of Greenwich, Woolwich is a district with rich military history and is home to the Royal Artillery Museum, the Royal Artillery Barracks and the Old Royal Arsenal. It was from this local war time heritage that the architects drew their inspiration for the Royal Arsenal Hotel's design; The bedroom windows of the brand new 6000m<sup>2</sup> Premier Inn have been placed in a repetitive pattern and accentuated with deep reveals and slender brise soleil to cleverly echo the gun hatches of the eighteenth-century gunships that docked at Arsenal to receive their artillery.

Taylor Maxwell worked closely with Alumet, one of the UK's leading facade installers, to identify a facade material that would achieve a contemporary aesthetic on the hotel's elevations, whilst also reminiscent of traditional wartime defence and transportation. Taylor Maxwell's extruded metal plank system with hidden fixings proved to be a perfect choice to realise the architect's original design concept.

The unique metal cladding system allows for a smooth and continuous visual of 'planks' throughout the elevations, with seamless joints devoid of any visible fixings. The overlapping metal panels were fabricated in a modest palette of two colours, to meet the required aesthetic and imply the design of a ship's hull. Challenges were presented when it came to the curved radius at the front of the hotel, but through detailed design discussions with Taylor Maxwell and Alumet, a solution was reached that successfully delivered the desired finish of the building.

The metal cladding system has been so well received that is also being used in other areas of the site, to add detail and help integrate the individual areas of the scheme into one striking and cohesive development.



Berkeley  
Designed for life



# Brick

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Lintels & Soffits

Arches & Chimneys

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Great Eastern Quays

Bromley by Bow

# Facing Brick & Brick Matching



**This traditional building material is back in vogue with architects, not only for stable structures but to display innovative design and craftsmanship.**

Taylor Maxwell partner with UK and European brick manufacturers, to supply a large range of bricks to meet the appearance and budget requirements of your development. Our range includes a broad spectrum of colours including reds, oranges, blues, greys, yellows and creams. In addition to this, we also supply glazed bricks and can create bespoke blends to meet the vision of your design.

Modern, fired, clay bricks are formed using one of four manufacturing processes; soft mud (stock), dry press (handmade), extruded (wirecut) or waterstruck which each have a unique influence on the size, shape, colour and texture of the finished product.

Clay brickwork has a typical life-cycle of 150 years, and the durability to withstand the hard wear of multiple occupants over an extended period of time. Bricks offer a low maintenance solution with a high thermal mass that are reusable and recyclable, contributing to its position as one of the most sustainable construction components.

## Brick Matching Service

**With specialists based in 12 offices across the UK, Taylor Maxwell can provide local knowledge of the facing bricks and masonry used on existing schemes, or bricks suited to the local architectural style. We will provide samples for approval based on an exact match where possible, or the nearest brick blend/type to meet the required finish.**

To achieve the best solution and to ensure the most cost-effective approach, we recommend contacting us at an early stage of your project, so that we can provide the maximum technical input.

Simply follow the steps below to submit a brick match request on our website at [taylormaxwell.co.uk/brick-matching](https://taylormaxwell.co.uk/brick-matching). If we are unable to identify your brick from the images received, we will arrange for one of our area sales team to contact you and co-ordinate a site visit.

### 1. Close Up

Take a photo of the brick you would like us to match. We would recommend this image be about 1 metre away to allow us to review the texture and colour of the brick to find the closest match available.

### 2. Brickwork

A second image of the brickwork from no more than 2 metres away, will allow us to gain a better understanding of a suitable match or alternative.

### 3. Full Build

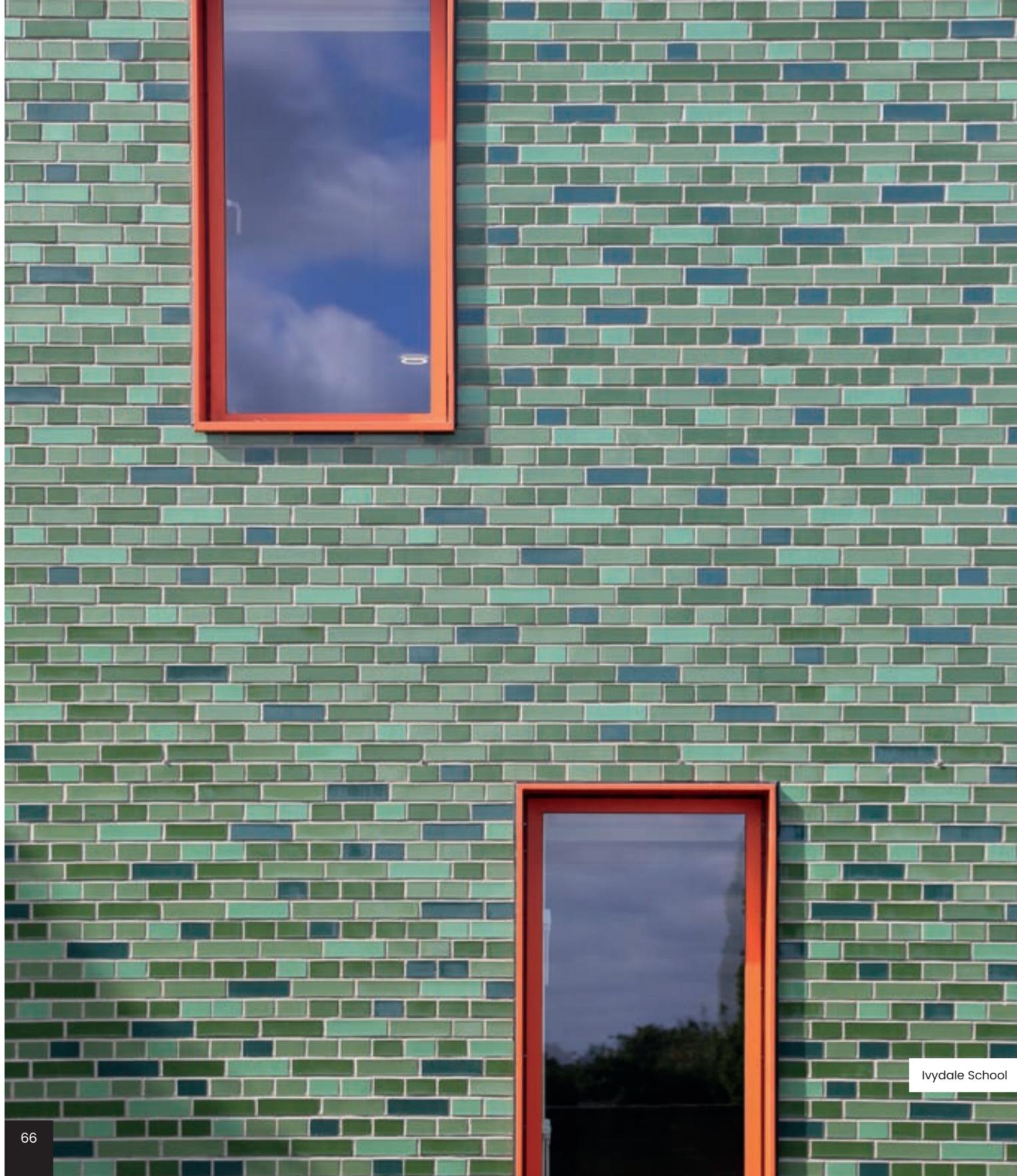
If available, upload an image of the brick as part of the overall scheme for us to view the colour variation and bond pattern.

If you do not have an image of the brick or project you would like us to match, please email [brickmatching@taylor.maxwell.co.uk](mailto:brickmatching@taylor.maxwell.co.uk) with some details of the style you require.

If you have already identified the brick/s for your project, please get in touch and we can arrange the relevant samples for you.

Stapleton House



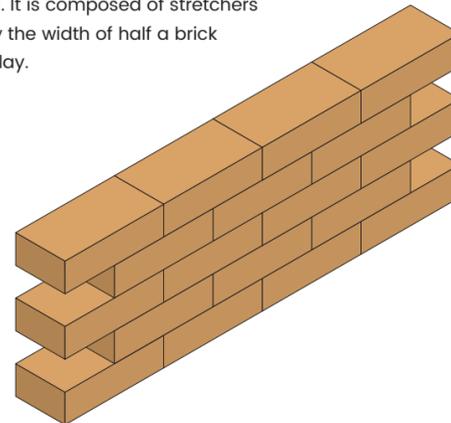


Ivydale School

## Bond Patterns

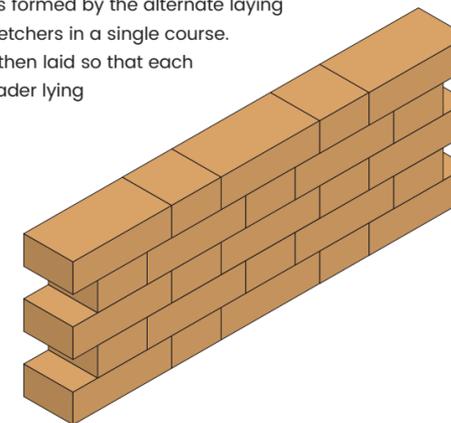
### Stretcher Bond (Modern)

The Stretcher bond pattern is one of the most common bond patterns used. It is composed of stretchers set in rows offset by the width of half a brick and is very easy to lay.



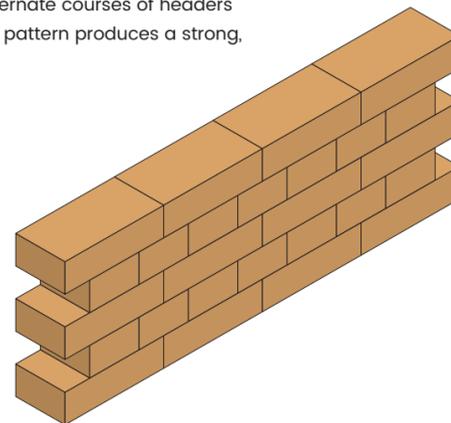
### Flemish Bond

The Flemish bond pattern was first introduced in the Tudor period and is formed by the alternate laying of headers and stretchers in a single course. The next course is then laid so that each stretcher has a header lying centrally above it.



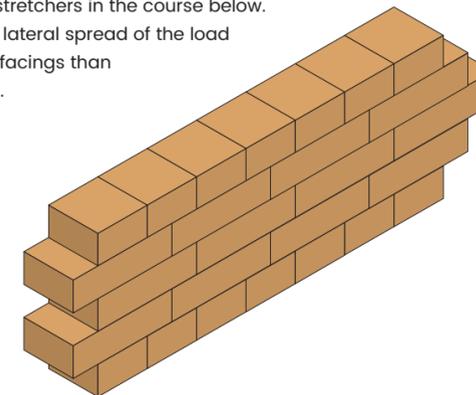
### English Bond

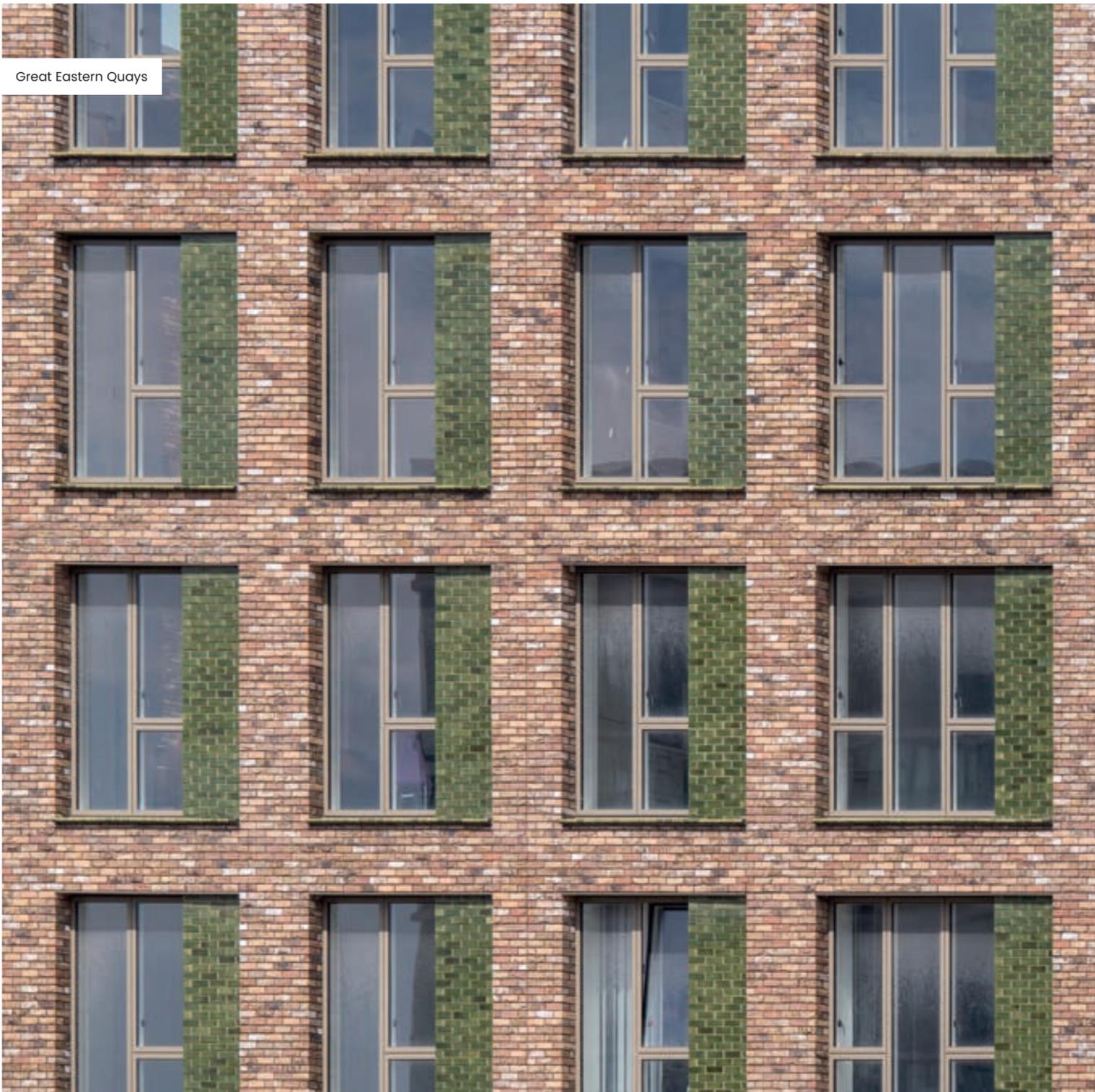
This is one of the oldest known brick bond patterns. Bricks are laid in alternate courses of headers and stretchers. This pattern produces a strong, solid wall.



### English Garden Wall

This is similar to the English bond but with one course of headers for every three courses of stretcher. The headers are centred on the stretchers in the course below. This gives quick lateral spread of the load and uses fewer facings than an English bond.





## Brick Sizes

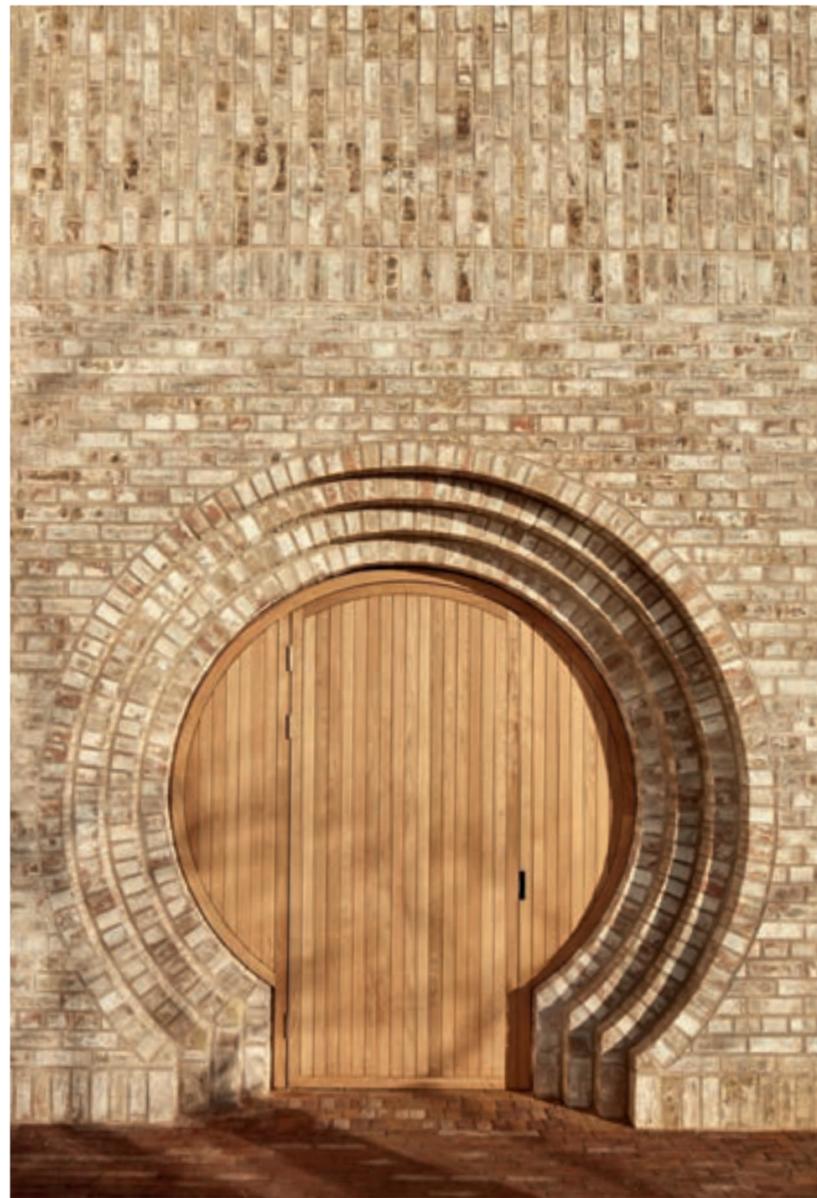
Metric bricks are smaller than the old imperial ones. Where required, new bricks can be bonded into old brickwork by slightly increasing the mortar bed joint.

Comparisons of metric and imperial bricks are shown in the table below.

	Quantity	Mortar
1 m <sup>2</sup>	60	0.02 m <sup>3</sup>
2 m <sup>2</sup>	120	0.05 m <sup>3</sup>
5 m <sup>2</sup>	300	0.12 m <sup>3</sup>
10 m <sup>2</sup>	600	0.24 m <sup>3</sup>

	Length of Brick (including joint)	Width of Brick (including joint)	Height of Brick (including joint)	Typical Joint
Metric	215mm	102.5mm	50mm	10mm
Metric	215mm	102.5mm	65mm	10mm
Imperial	225mm	107.5mm	67/68mm	10mm
Imperial	230mm	110mm	70mm	10mm
Imperial	230mm	110mm	73mm	10mm
Imperial	230mm	110mm	76mm	10mm
Imperial	230mm	110mm	80mm	10mm

	Length of Brick (including joint)	Width of Brick (including joint)	Height of Brick (including joint)	Typical Joint
Metric	225mm/8.86"	112.5mm/4.43"	75mm/2.95"	10mm/0.39"
Imperial	9"/228.6mm	4.5"/114.3mm	3"/76.2mm	3/8"/9.55mm



# The Select Range – exclusive to Taylor Maxwell



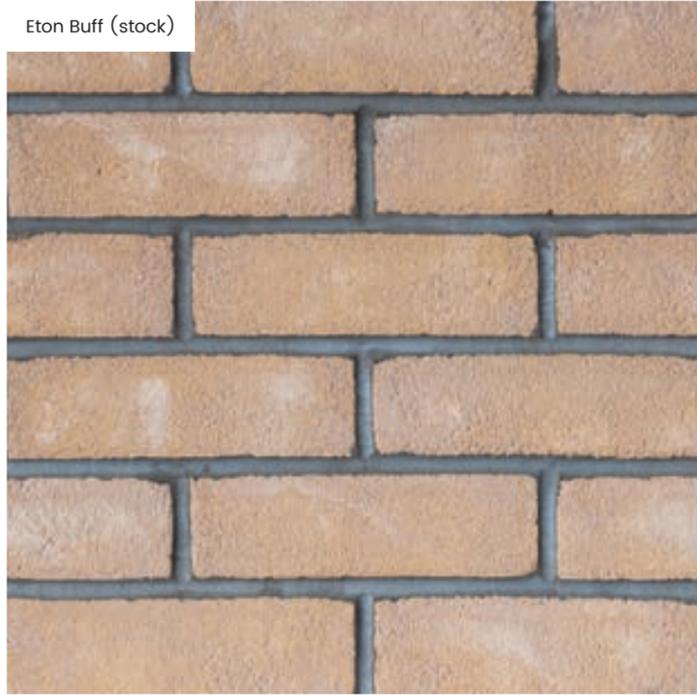
**The Select Range comprises of fifteen facing bricks produced by industry leading manufacturers exclusively for Taylor Maxwell. The range includes both wire-cut and stock options in a variety of colours and blends, all at very competitive price points.**

These bricks are particularly ideal for both private and social housing developments and will seamlessly interface with our wider range of external facade materials.

To complement the Select Range of facing bricks, we also supply a full range of British Standard, non-standard and tailor made special shape bricks.

Muswell Hill

Eton Buff (stock)



Welford Buff (wire cut)



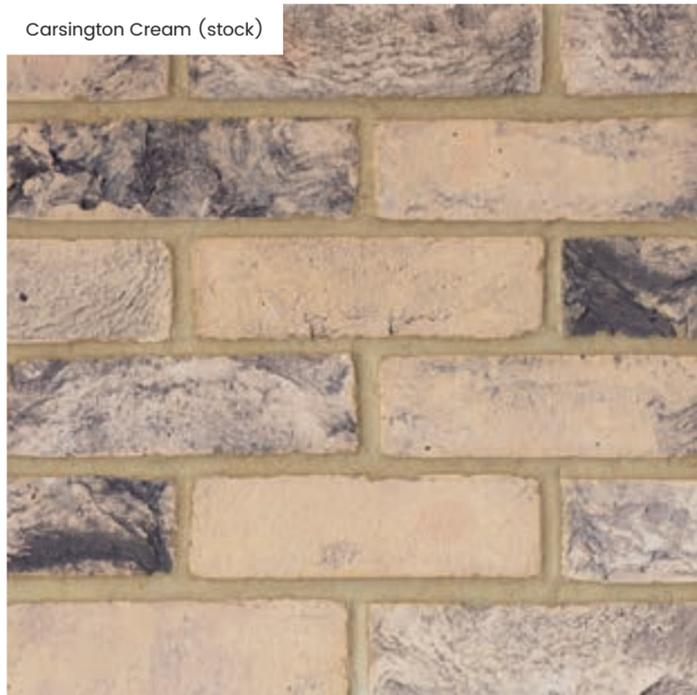
Westminster Yellow (stock)



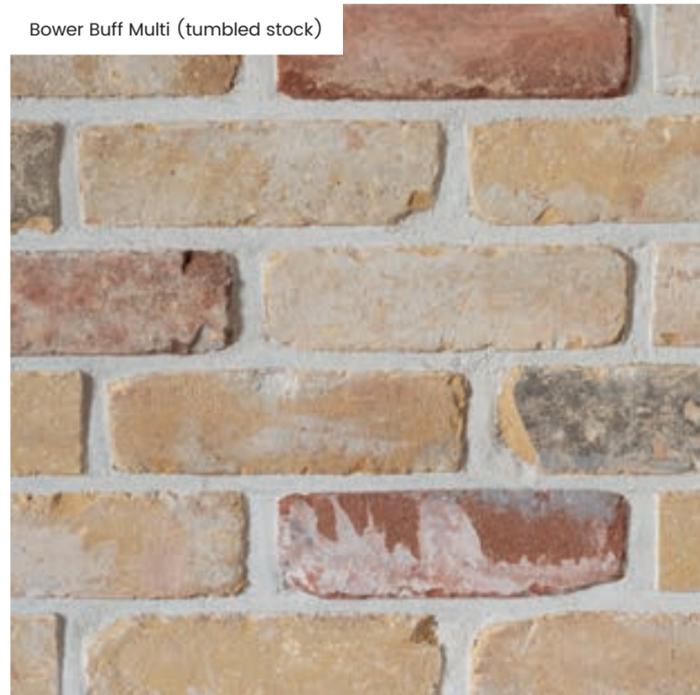
Hawksmoor Yellow Multi (tumbled stock)



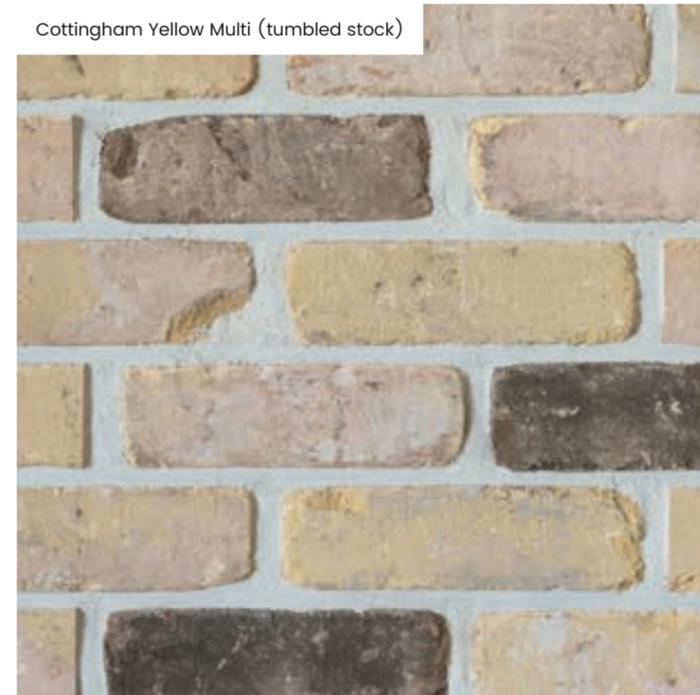
Carsington Cream (stock)



Bower Buff Multi (tumbled stock)



Cottingham Yellow Multi (tumbled stock)



Gormley Grey (tumbled stock)



Cadeby Red Multi (wire cut)



Grove Orange Multi (stock)



Oakmoor Orange (wirecut)



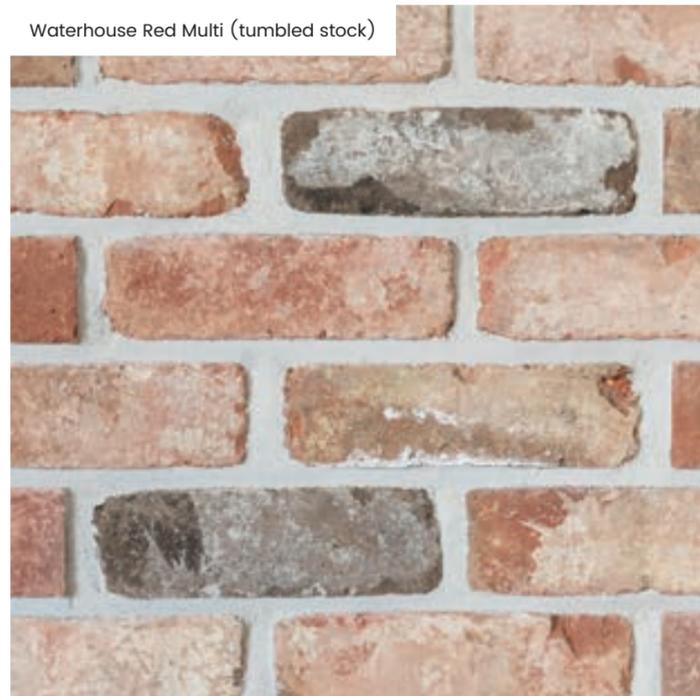
Irish Rose (stock)



Bamford Blend (stock)



Waterhouse Red Multi (tumbled stock)

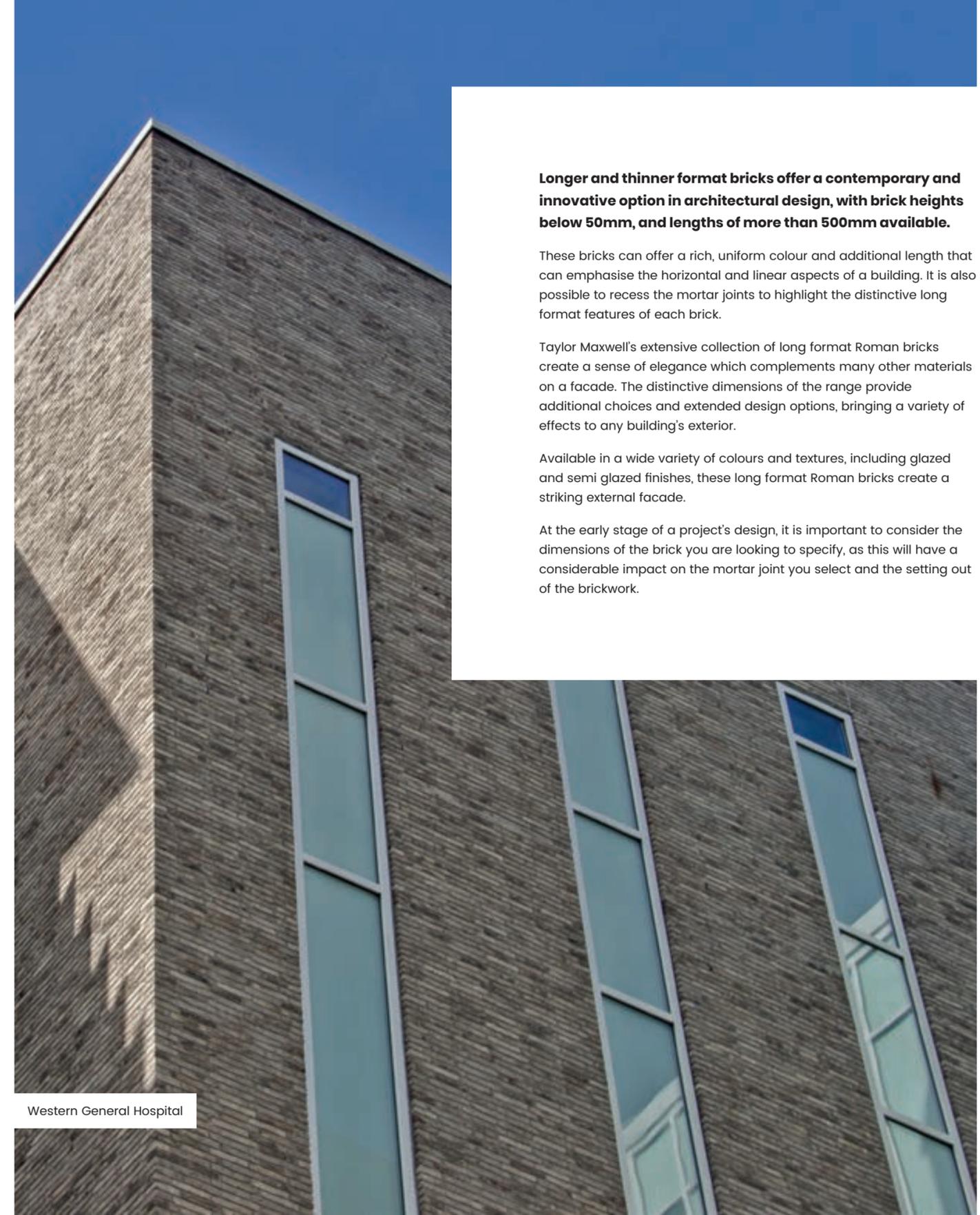


Barton Light Multi (stock)



Bricks are ideal for use in almost all built environments and offer a permanence that few other materials can match. Clay bricks will weather naturally over time and do not require routine maintenance or redecoration.

## Clay Large & Long Format Brick



**Longer and thinner format bricks offer a contemporary and innovative option in architectural design, with brick heights below 50mm, and lengths of more than 500mm available.**

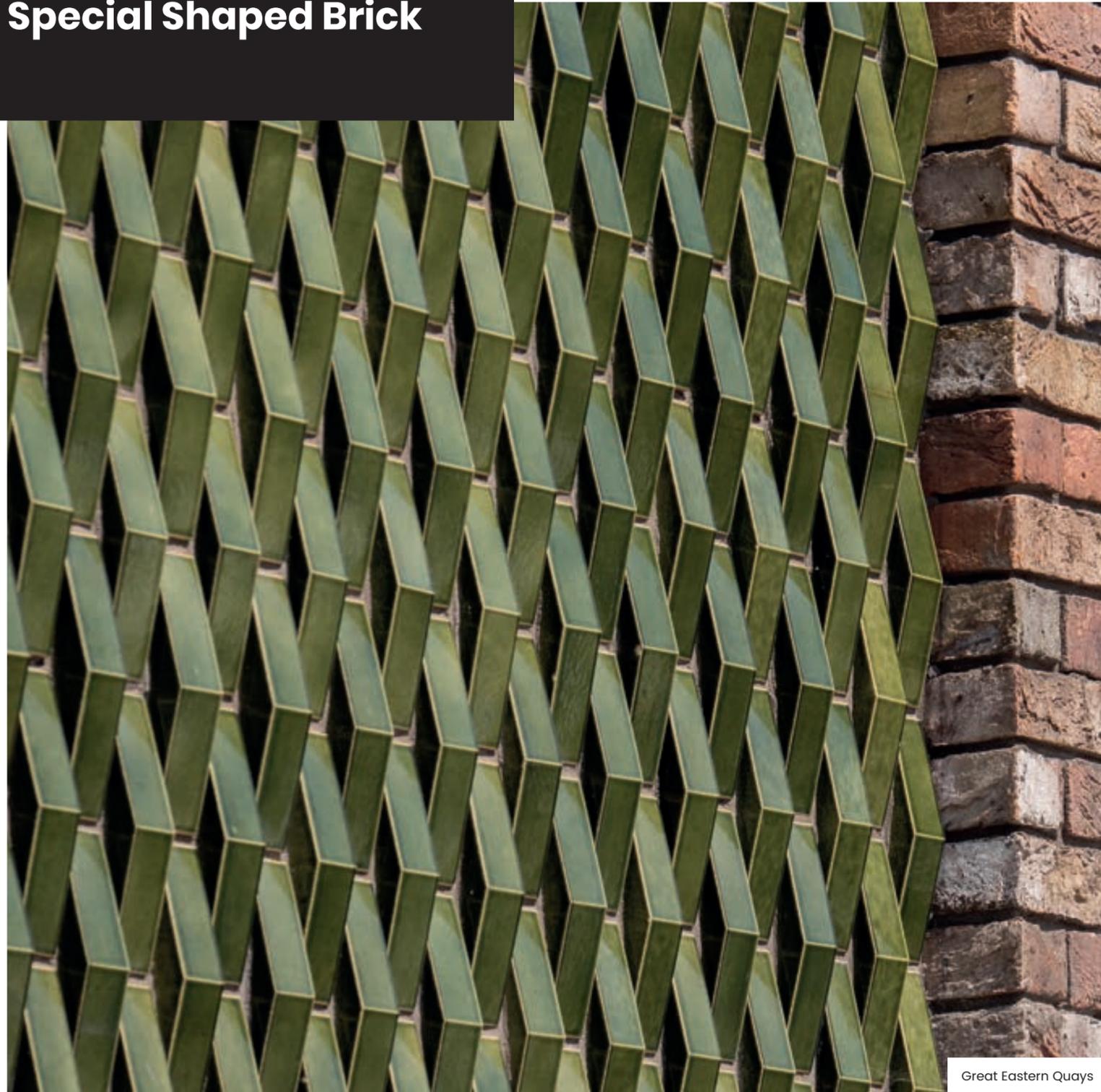
These bricks can offer a rich, uniform colour and additional length that can emphasise the horizontal and linear aspects of a building. It is also possible to recess the mortar joints to highlight the distinctive long format features of each brick.

Taylor Maxwell's extensive collection of long format Roman bricks create a sense of elegance which complements many other materials on a facade. The distinctive dimensions of the range provide additional choices and extended design options, bringing a variety of effects to any building's exterior.

Available in a wide variety of colours and textures, including glazed and semi glazed finishes, these long format Roman bricks create a striking external facade.

At the early stage of a project's design, it is important to consider the dimensions of the brick you are looking to specify, as this will have a considerable impact on the mortar joint you select and the setting out of the brickwork.

# Special Shaped Brick



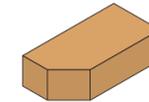
Great Eastern Quays

**Special shaped bricks are the unique design elements that can knit brickwork together. They provide architects and designers with the tools to help renovate or restore the historic features of our architectural heritage, or the freedom to create unique buildings and provide endless design solutions for the future.**

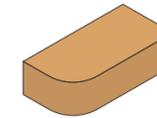
These brick specials can be incorporated into your development to provide either a practical function, or to simply enhance the aesthetic appeal of your project to showcase its individuality.

Taylor Maxwell provide an extensive range of British Standard, non-standard and tailor made special shaped bricks. This range of special shapes include plinth, dog legs, bullnose, cant and squint bricks. Special shapes may be frogged, perforated or solid. Perforation patterns may vary for any particular special shape. These are available in cut and bonded, or refaced finishes to enhance the external appearance of your project.

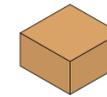
*The drawings below are for illustrative purposes only and are not representative of the products actual dimensions.*



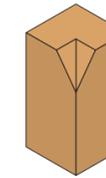
Angle and Cant



Bullnose



Bonding



Soldier



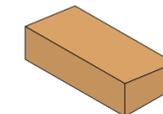
Plinth



Radial



Pistol



Arch

## Manufacture

There are two ways of creating brick specials for your project, the first is to have them purpose made in the factory to the size and specification required. The second is to have the brick produced by cutting and bonding together followed by re-facing of the joint to appear seamless.

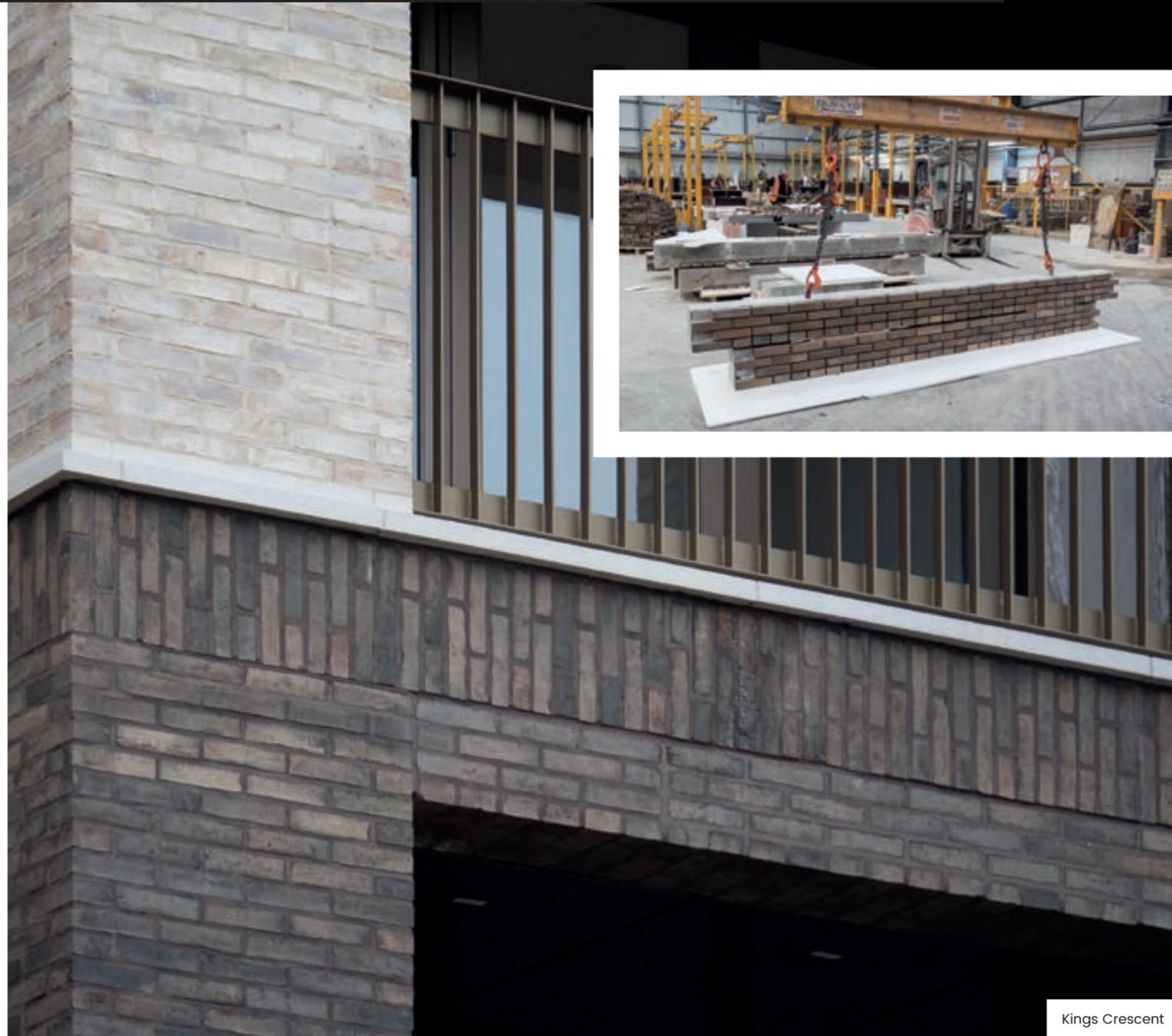
This cutting and bonding process generally offers shorter lead in times than the purpose made specials and are usually accepted as alternatives. They are often deemed to be the best option as the cut and bond bricks match the standard bricks perfectly, avoiding any texture or colour issues.

Using an extensive range of brick specials can enhance the appearance of a completed building to provide a striking effect. Design and technical advice is available from Taylor Maxwell's network of regional offices.



Curtain Hotel

# Precast & Prefabricated Brick Components



## Lintels & Soffits

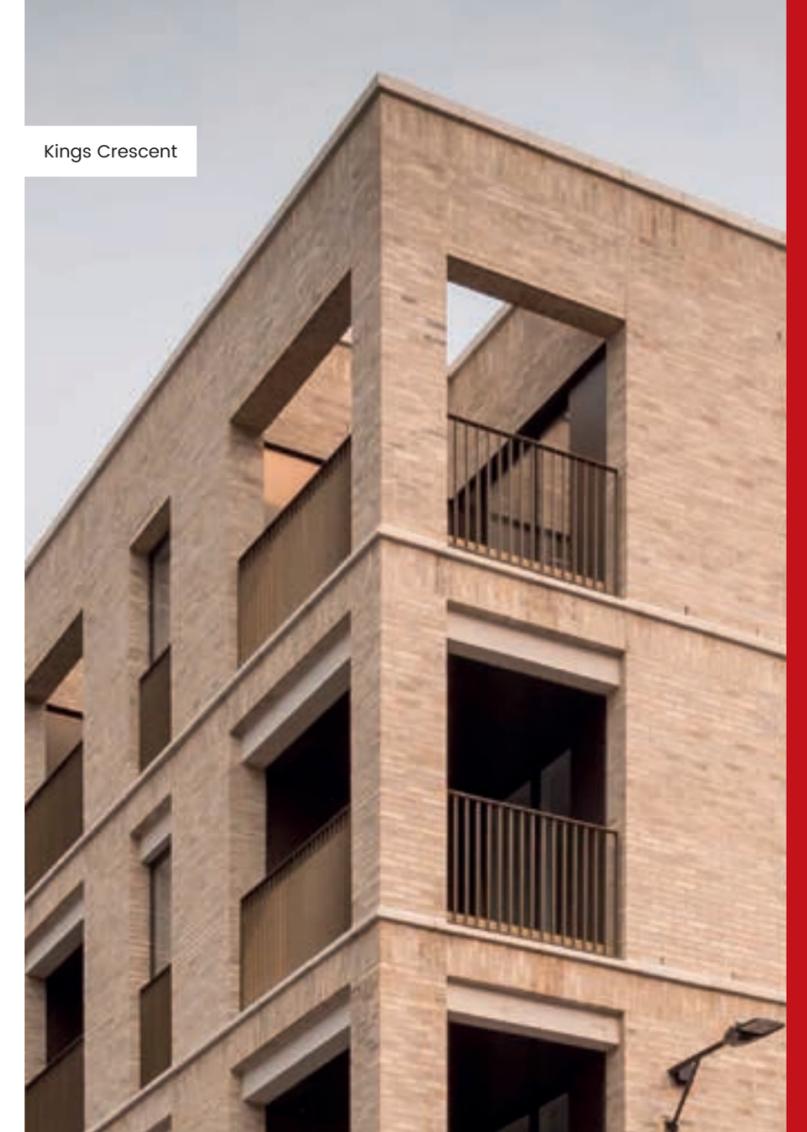
**Creating deep brick soffits and intricate brick patterns around window heads and openings has become quicker and more cost effective to achieve. These complex wall cladding features can be produced using two different manufacturing methods. The first uses precast concrete and the second is a new prefabricated stainless-steel bracket angle support system.**

Our range of precast concrete lintels provide a low cost and resilient support for door and window openings. The pre-stressed casting system used to produce these lintels ensures a consistent quality and finish for each external facade.

An alternative to this method of construction is a new lightweight steel-bracket system which offers several benefits over traditional precast concrete. The overall weight is reduced by more than half, which in most cases will allow the brick faced units to be applied on site without specialist lifting equipment, reducing installation time and cost. These units can be constructed using almost any brick or masonry type. Each brick feature unit is constructed using exactly the same brick as the main project, in factory controlled conditions, which provides greater certainty of the visual quality compared to the brickwork built on site. This can reduce the need for time spent on site by specialist contractors to cut bricks to suit complicated structural openings.

These products allow for creative designs and building features to be built in brickwork which otherwise would have been impossible in these parts of the building.

Kings Crescent



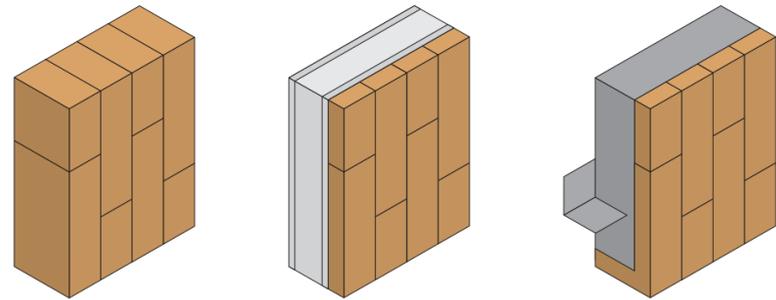
# Arches

**We offer a full range of lightweight and structural prefabricated arches manufactured in most brick types.**

Structural brick clad arches can accommodate a large range of bond patterns including segmental, flat, gothic, parabolic, as well as apex arches and bullseyes, providing a wide variety of options to consider.

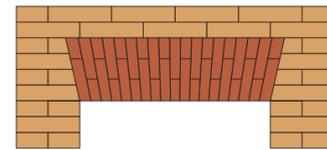
Most brick face finishes can be supplied onto a range of backings including reinforced concrete, structural steel and several lightweight options. The soffit of the arch (underside) can be supplied with or without a brick slip finish, dependent upon your requirements.

We provide a full design service where drawings would be supplied for approval prior to commencing any manufacturing, together with a full estimating service.

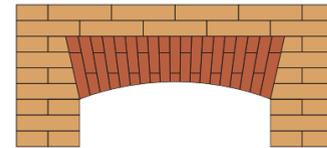


Loose Brick      Non-Structural      Structural

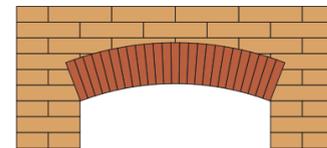
*These drawings are for illustrative purposes only and are not representative of the products actual dimensions.*



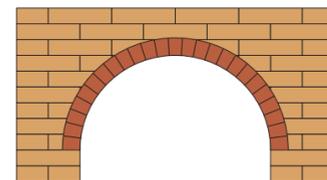
Flat gauged



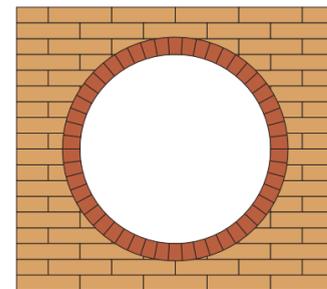
Flat gauged with camber rise



Segmental



Semi-circular



Bullseye

# Chimneys

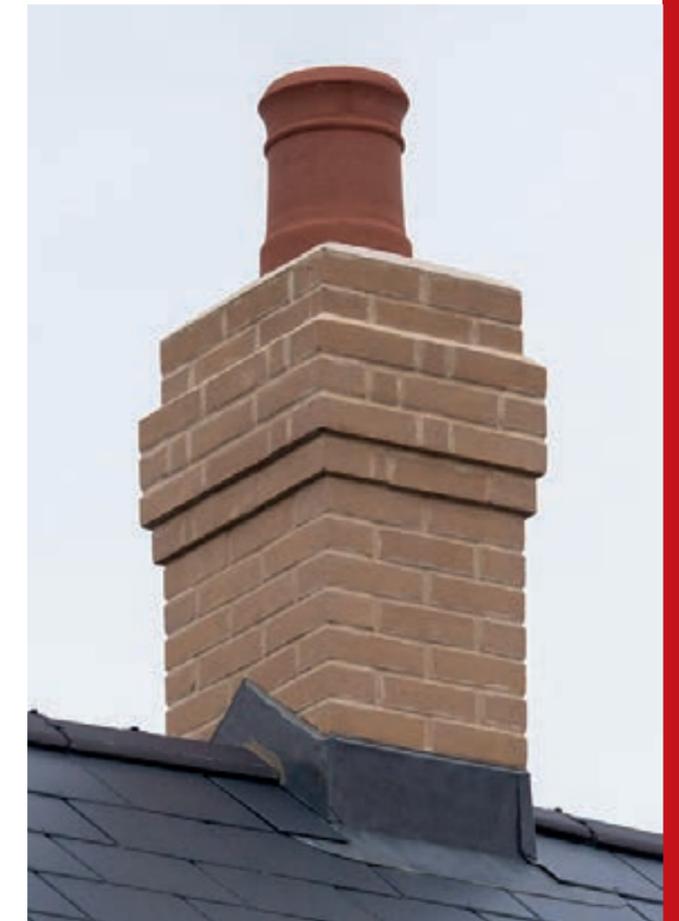
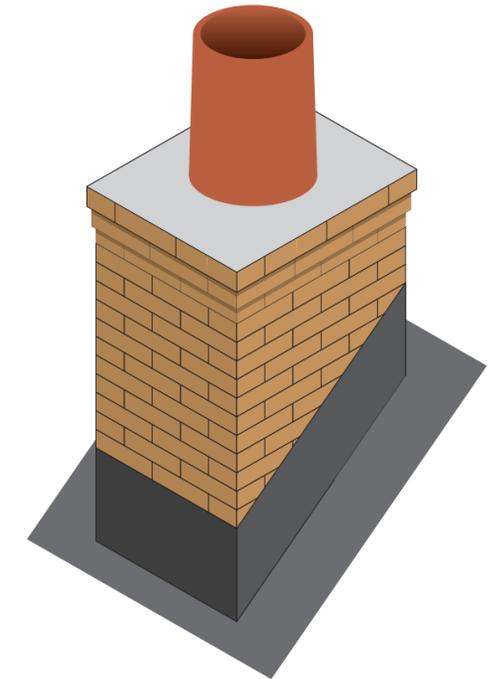
**Prefabricated chimneys offer a modern and lightweight alternative to brick slip clad chimneys. They are easily and quickly installed and can be clad in a range of traditional materials including brick, stone or render.**

For a truly lightweight solution brick effect, glass reinforced plastic (GRP) chimneys are an alternative to the masonry clad units. Often weighing less than 30kg, these chimneys are quickly installed in a mid-ridge location and match the texture and colour of the original brickwork.

Suitable for use in a variety of locations on the roof, these chimneys can be ordered as non-working cosmetic only units or complete with an insulated in-wall system suitable for log burners, stoves and other appliances.

Available in a range of standard sizes to suit most locations, these chimneys can be ordered with a variety of pot designs and sizes. Bespoke designs can also be accommodated using our full CAD design service.

Comprehensive installation guides are provided to ease the installation process and ensure a watertight product.



# Great Eastern Quays

Facing bricks, special shapes and lightweight steel brick clad lintels

See more projects at [taylor-maxwell.co.uk/projects](https://taylor-maxwell.co.uk/projects)



**Set on a peaceful dockside, Great Eastern Quays forms part of the Albert Basin area at the eastern end of the Royal Docks complex in London.**

Identified as the capital's next business district, the historic docks are set to undergo a three-phase regeneration in the next five years, involving the formation of over 1,500 homes and new commercial and leisure areas to be completed by 2027.

The £81 million first phase of this development includes a mixed-use masterplan, which has seen the creation of 350 high-quality, mixed tenure homes, the regeneration of internal garden squares and public areas along the river and docks, and the construction of additional commercial space aimed at business start-ups.



SPECIAL SHAPED BRICK



## Design Concept

The design, by London based architects Maccreeanor Lavington, seeks to enhance the East Beckton community and reflect the profound, historical heritage of the docks, by protecting features such as the 100 year old impounded pumping station.

Client Notting Hill Housing appointed main contractor Galliford Try to lead the regeneration of this large development, comprising of 3 blocks of six and seven storeys, the largest ever single project for the company, on the site of a former pharmaceutical warehouse and commercial building.

In order to achieve the distinctive historical warehouse visual designed by the architects, Taylor Maxwell worked closely with Maccreeanor Lavington over a number of years to design and develop a bespoke blend of facing bricks that would allude to the buildings of its industrial past. The architects ultimately named this unique blend of bricks the 'Queens Dock Blend'. This precise choice of brickwork was critical to achieve the architect's vision, as was the ability to work quickly to meet a tight build programme. Therefore, it was obvious that a prefabricated brick system would be an ideal solution for the deep brickwork reveals, making the on-site installation much more efficient, with minimal disruption to the build schedule.



**Maccreeanor  
Lavington**



## Completion

Working closely with the project partners, a lightweight brick faced soffit unit was selected for the deep brickwork reveals at the window heads, which have added additional depth and dimension to the facade. The prefabricated solution has combined custom-designed, brick slip-faced, stainless-steel soffit units with a high integrity stainless steel MDC brickwork support system.

Faced with brick slips specially cut from the main brickwork batch, and permanently precision bonded to the required pattern, the prefabricated units were fixed back directly to the shelf angle. Using vertical and horizontal adjustment built into the system, the units were perfectly aligned and matched to the main facade brickwork. This precision-fit solution allowed for fast install without recourse to the usual heavy lifting equipment.

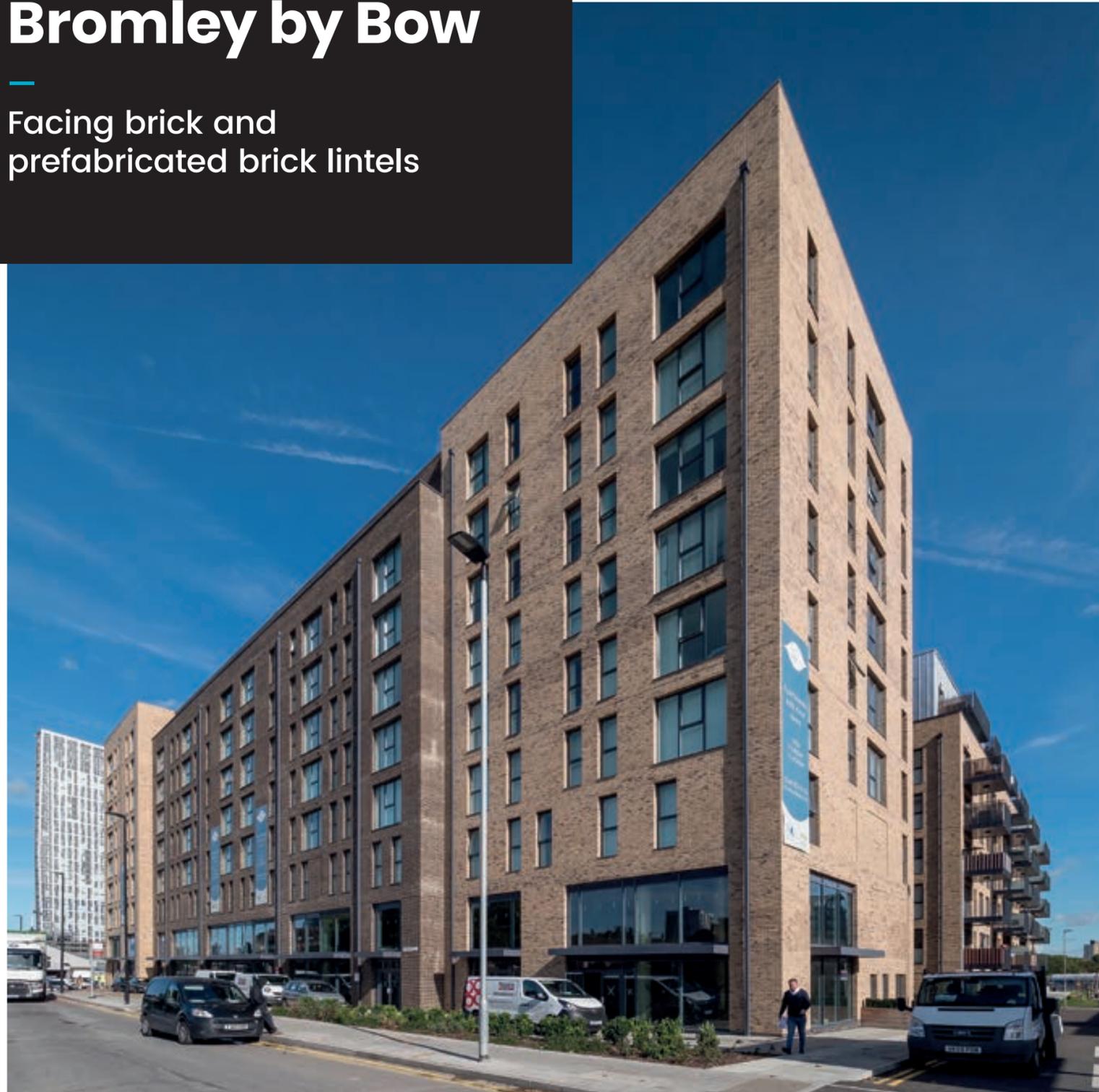
In addition to the 2,300 linear meters of prefabricated brickwork, Taylor Maxwell also supplied over 50,000 glazed facing bricks, in both standard and special shapes. The special shaped sawtooth bricks have been laid vertically creating a pointed shadow effect, which brings the building to life as they appear to change in appearance throughout the day.

The hints of contemporary green glazed brickwork, a bespoke non-standard colour created especially for the project, has added depth and dimension to the facade of Great Eastern Quays. This has provided a complimentary contrast with the industrial inspired brickwork, ultimately creating a striking finish to the fascia of the new community. This was the underlying vision of the architects Maccreeanor Lavington, who believed it was vitally important that the project create a unique space where the Royal Docks meet the iconic River Thames.



# Bromley by Bow

Facing brick and prefabricated brick lintels



**Bromley by Bow is a brand-new London development by Higgins Construction comprising of residential units and 10,000 sq. ft. of commercial space and public walkways located on the southern fringes of the Olympic Park.**

**A key challenge of this development has been the special consideration to the Grade II listed House Mill, within the East London heritage landmark at Three Mills, home to the world's oldest tidal mill.**

The 219 new homes have been designed for clients Southern Spaces and Southern Housing Group, with a Victorian warehouse aesthetic that reflects the area's industrial heritage and compliments the existing character and appearance of the area. Set on the peaceful banks of the River Lea, this striking new collection of buildings, punctuated by landscaped modern courtyards and open spaces, take their inspiration from Bow's former Victorian past and culminates in an aesthetically planned and easily maintained village. A new urban setting of modern and classic inspiration has been created with new architecture and apartments that are an instant and natural fit with the neighbourhood.

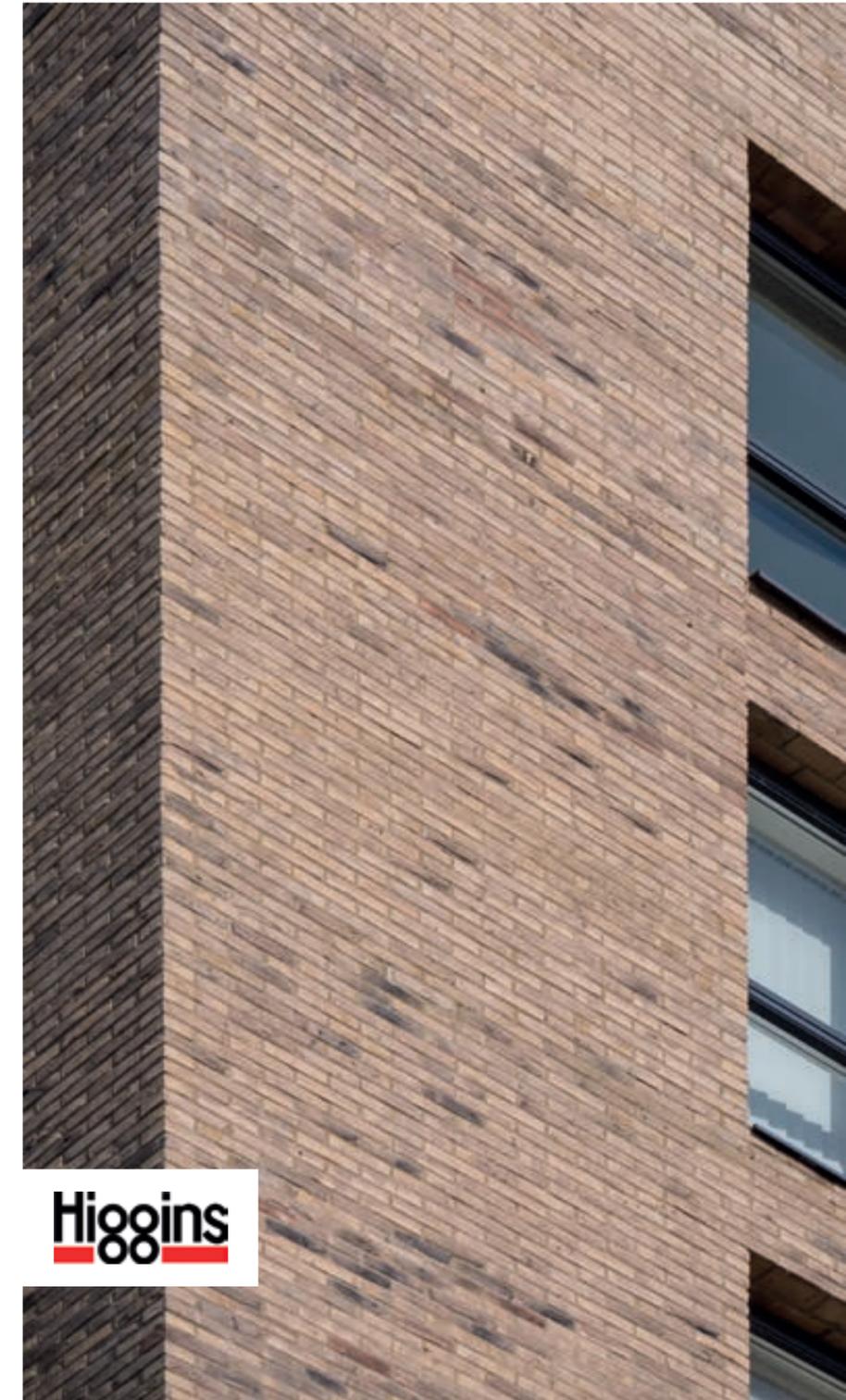
From Victorian and Georgian streets, to former factories and warehouses, Bow River Village reflects its rich history in the use of traditional brickwork that evoke the buildings of its industrial past, whilst sleek glass balconies, zinc-cladding and contemporary landscaping employ a rich palette of modern materials that are beautiful and practical.

Faced with real brick slips specially cut from the main brickwork batch, and permanently precision bonded to the required pattern, the prefabricated units are fixed back directly to the shelf angle. Using vertical and horizontal adjustment built into the system, the units are perfectly aligned and matched to the main facade brickwork. Due to the brick slips having been cut from the same batch as the main brickwork, they present a perfect colour and texture match for flawless transitions and consistency.

The brick-faced units are designed and prefabricated off-site to suit different soffit dimensions, even modern deep soffits such as those above the upper storey stairwells, meaning there is no on-site cutting required. The units are simply offered up to the pre-fixed and pre-drilled support system and bolted into position using T-head bolts.

Using this lightweight, high-strength, stainless-steel lintel system offered the contractors a solution that resulted in easier handling coupled with maximum adjustability, for quick and simple alignment on site. As mechanical lifting equipment was not required, the contractor was able to install the units in around one tenth of the time of traditional heavyweight precast concrete alternatives.

Following the success of phase one, Higgins Construction PLC has been appointed by Southern Housing Group to design and build phase two of the construction of a further 112 new homes at Bromley by Bow, East London.



**Higgins**

# Masonry

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Sussex Court

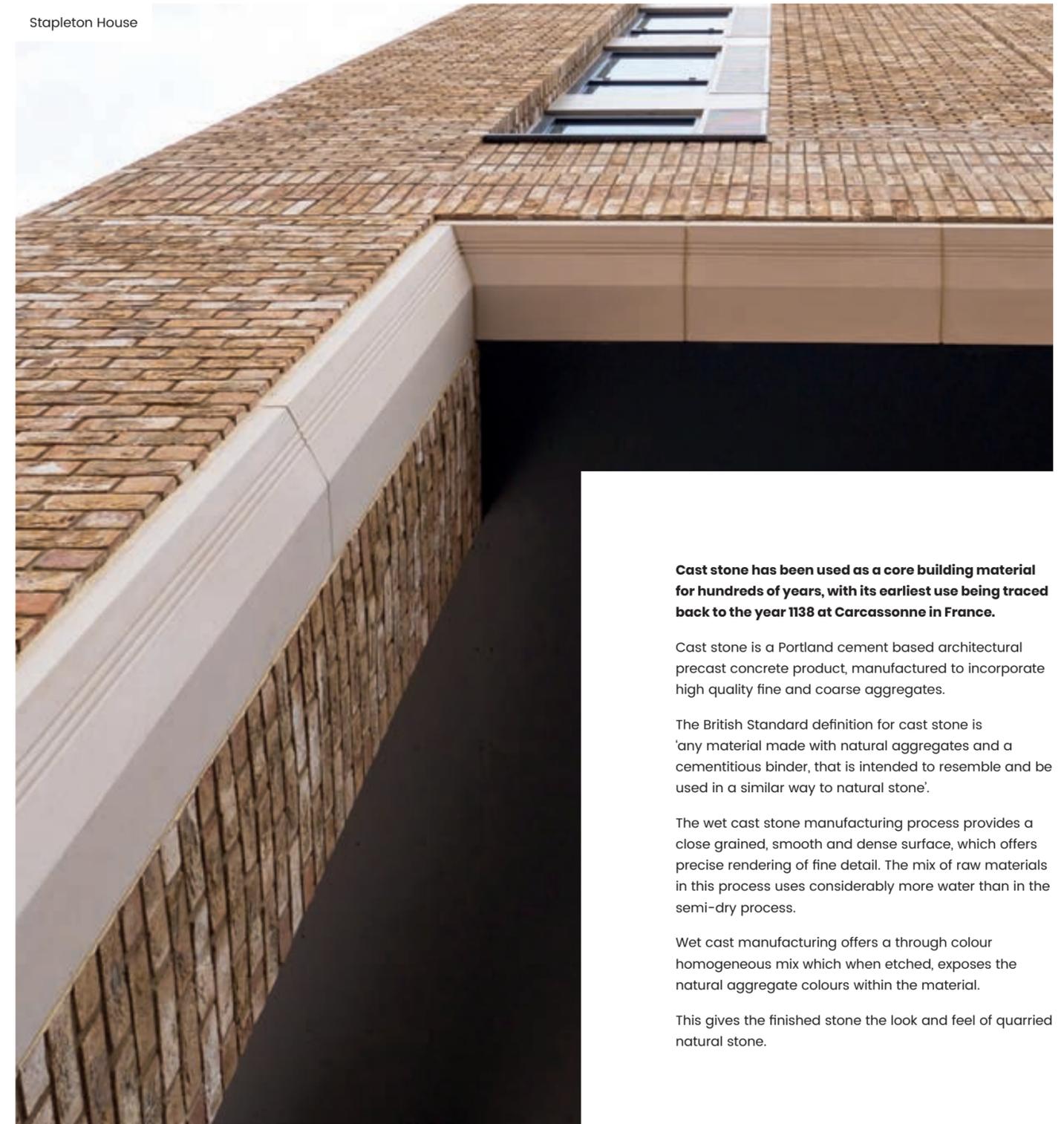
West Hendon

## Reconstituted Cast Stone



Royal Ballet School

Stapleton House



**Cast stone has been used as a core building material for hundreds of years, with its earliest use being traced back to the year 1138 at Carcassonne in France.**

Cast stone is a Portland cement based architectural precast concrete product, manufactured to incorporate high quality fine and coarse aggregates.

The British Standard definition for cast stone is 'any material made with natural aggregates and a cementitious binder, that is intended to resemble and be used in a similar way to natural stone'.

The wet cast stone manufacturing process provides a close grained, smooth and dense surface, which offers precise rendering of fine detail. The mix of raw materials in this process uses considerably more water than in the semi-dry process.

Wet cast manufacturing offers a through colour homogeneous mix which when etched, exposes the natural aggregate colours within the material.

This gives the finished stone the look and feel of quarried natural stone.

## Step by Step Process of Manufacture



### — Design

Architectural concepts and design intent are transformed into detailed stonework CAD drawings with full consultation and consideration provided.



### — Moulds

Bespoke moulds are constructed, designed to maintain the required level of detail to achieve crisp, sharp arrises to every stone.



### — Casting

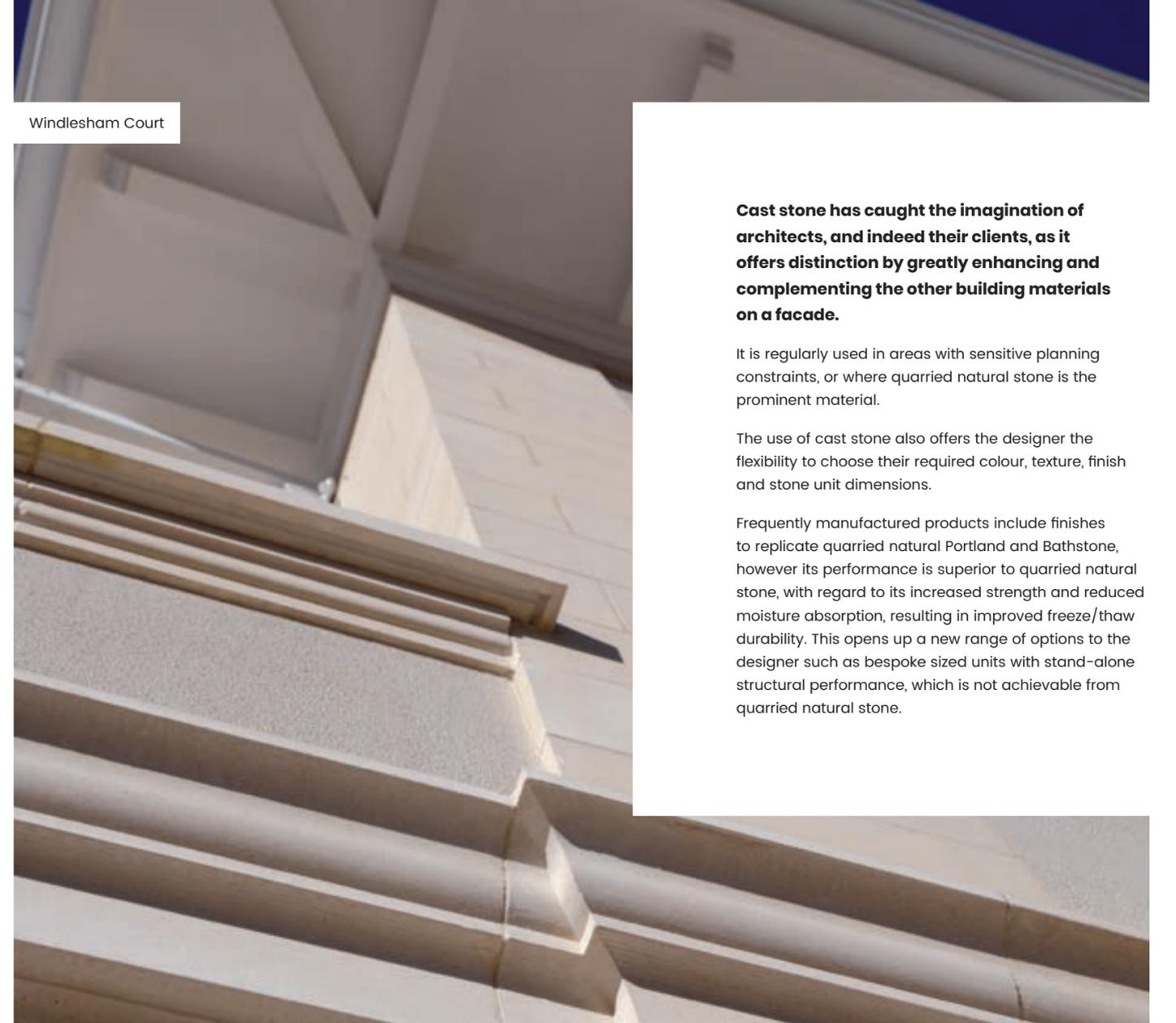
Moulds are filled and the material compacted thoroughly, with reinforcement and cast-in fixings added if specified for either handling or full structural purposes.



### — Finishing

Moulds are carefully stripped from the stones, which are then dressed and finished ready for curing.

Windlesham Court



**Cast stone has caught the imagination of architects, and indeed their clients, as it offers distinction by greatly enhancing and complementing the other building materials on a facade.**

It is regularly used in areas with sensitive planning constraints, or where quarried natural stone is the prominent material.

The use of cast stone also offers the designer the flexibility to choose their required colour, texture, finish and stone unit dimensions.

Frequently manufactured products include finishes to replicate quarried natural Portland and Bathstone, however its performance is superior to quarried natural stone, with regard to its increased strength and reduced moisture absorption, resulting in improved freeze/thaw durability. This opens up a new range of options to the designer such as bespoke sized units with stand-alone structural performance, which is not achievable from quarried natural stone.

### — No Pigmentation

Our wet cast standard Portland and Bathstone finishes contain no pigmentation, and are solely the natural colours of the aggregates within them.

### — Superior Performance

Reconstituted cast stone's performance is superior to quarried natural stone with regard to its increased strength and reduced moisture absorption, resulting in improved freeze/thaw durability.

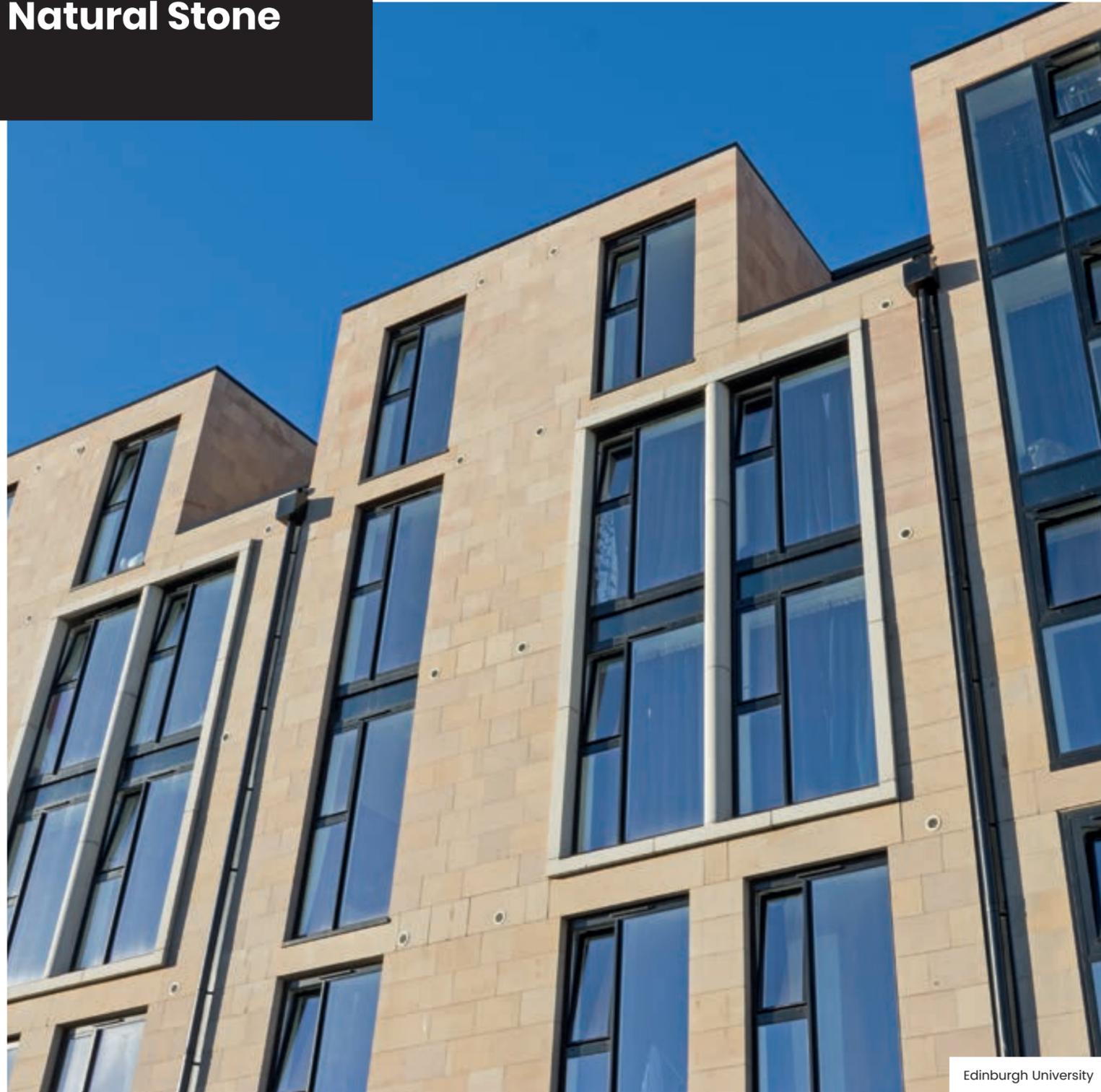
### — Highest Quality

Due to the use of the highest quality handmade moulds, the finished product presents the designed level of precise, sharp detail.

### — Additional Options

A new range of options is available to the designer such as bespoke sized units with stand-alone structural performance, which is not achievable from quarried natural stone.

# Natural Stone



Edinburgh University

**Taylor Maxwell are a leading supplier of natural stone for the facade and landscaping industries. With a comprehensive range covering all stone types, our portfolio has something to suit all visual requirements.**

Many of the quarries we partner with have been actively working since the 1800's, and offer stone rich in colour, character and heritage with adequate reserves. Using locally sourced stone on your planned development from these well-established quarries located across the UK, not only provides a sense of character in keeping with the local vernacular, but also provides a sustainable approach to the construction of your scheme.

Our stone range includes Basalt, Granite, Limestone, Marble, Pennant, Quartzite, Sandstone, Slates, Travertine and Yorkstone.

Energy is only used for the extraction of the natural stone from an open surface quarry and then processing it further. This energy usage is relatively low when compared with other building materials often produced in a factory environment, making it a more environmentally friendly option.

Recent research suggests that the total calculated cost of a natural stone building over a 30-year period is considerably less than many other buildings when comparing the short-term material costs, bench-marked against the higher maintenance costs often associated with more modern types of facades.

Smooth, tooled, split face, pitched face, rumbled, picked, broached and many more finishes are available, ensuring the closest match to the client's brief can be found.

Consistency of stone supply is also offered for large schemes or multi-phased developments.



Sussex Court

Kinnear Road

# Reconstituted Walling Stone

**Reconstituted walling stone is a popular choice with local developers and builders, and is widely accepted by planners as a durable, attractive and cost-effective alternative to natural stone.**

Walling stone is produced using sawn, cropped and tumbled techniques. It is cropped randomly for an authentic feel and then tumbled to remove sharp edges, prior to being dressed by an experienced stone mason.

Almost all stone types are available to match the contextual style of the locality including buff sandstones, red sandstones, cream to gold limestones and ironstone, with a range of sizes and finishes to suit the design brief.

The moulds, which are taken from natural stone, recreate the unique and subtle textures and characteristics of the raw material. The wide range of authentic shades match the original natural stones, which are now often unobtainable.



Daniel Hill

**A garden wall forms an integral part of a project's design and connects different elements, helping to shape and structure your landscape.**

There is a large choice of walling options available in a host of different shapes, styles, colours, textures and sizes providing you with everything you need to help you create eye-catching features such as walls, raised beds, planters, screens, ponds or even barbecues.

We are committed to providing high-quality stone products, manufactured to your specification and delivered to site to meet your build programme. We will provide full take-off services based on your drawings, samples for planning and client sign-off, and cost-effective quotes to meet your budgetary requirements.



Daniel Hill

# Architectural Masonry



Mary Seacole House

**Architectural masonry provides a decorative facing concrete block with design quality and dimensional accuracy. It is a structural material which can be used as part of the internal or external leaf, providing a clean, maintenance-free solution.**

Manufactured from a mix of top quality limestone aggregates and cements, architectural precast concrete masonry is a modern, cost-effective building material, that is extremely durable.

This material is available in a wide variety of colours and finishes including polished, glazed, fair faced, split and textured, which is often used in healthcare, education, commercial and residential developments.

A range of standard units are available, however bespoke elements can be created with each hand moulded by experienced craftsmen to match your designs.



## Types of Finish

### — Smooth 'Fair Faced'

These precise and smooth blocks are used to create large natural smooth surfaces and are offered at competitive price points compared to other materials, for example render. These smooth blocks, can also be mixed with other more textured blocks, to produce a striking contrast on a building's facade.

### — Shot Blasted

This production process exposes the inner aggregate of the material, which creates a matt texture with a flat surface. The degree of erosion can be developed to accommodate the required aesthetic.

### — Split Face

The split face stone finish is desirable as it provides natural texture and stratification that is hard to duplicate in a man-made product. These cast stone blocks are individually split down the middle to produce a face that replicates hand hewn stone, with each piece offering a unique finish.

### — Burnished

The burnished face finish reveals the beauty of the natural aggregates and is a popular choice for projects where an understated aesthetic and reduced glare are desired.

### — Polished

Selected natural aggregates are mixed and polished to create a wide range of colours and variations, replicating the rich textures associated with marble and granite finishes.



# Sussex Court

Natural stone & reconstituted walling stone



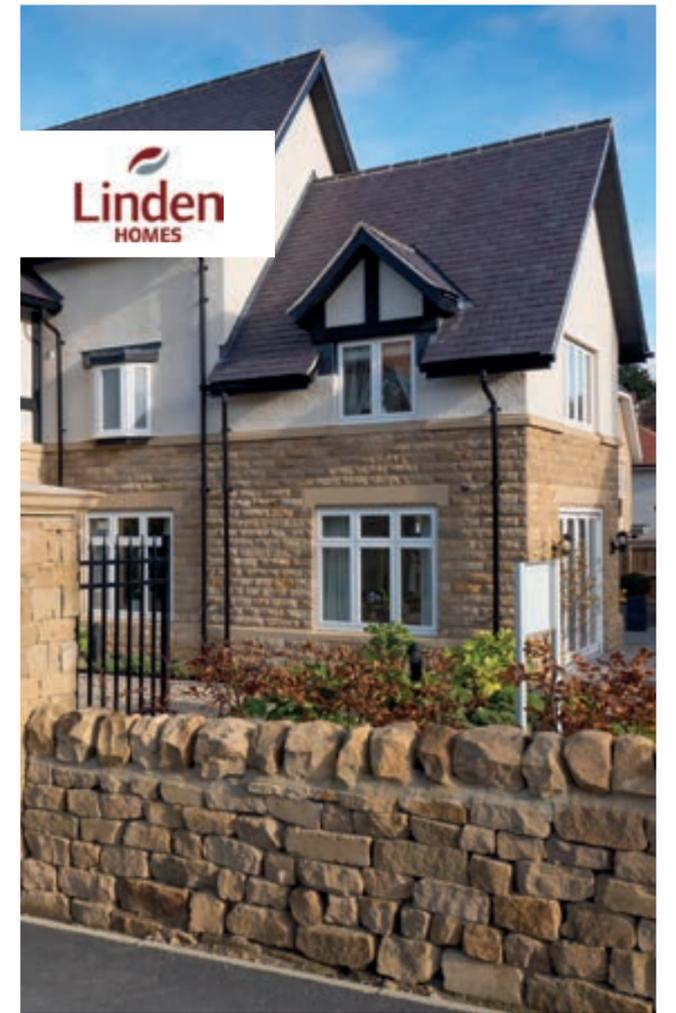
**Sussex Court is an exclusive collection of luxurious homes, set within the conservation area of the Duchy of Lancaster Estate in North Yorkshire. With prices starting at circa £1m, each of the new houses have been designed with impressive facades and elegant exteriors and boast high specification interior design, exclusive features and spacious gardens.**

Set just outside the beautiful town of Harrogate, recently voted the third happiest place to live in the UK, the Duchy Estate masterplan was designed by architects Wildblood Macdonald in conjunction with Amec Foster Wheeler. The scheme of 160 houses at Sussex Court was developed to provide an outstanding design standard, that compliments the nearby town, and offers a varied range of housing types amidst a generously landscaped rural setting.

Working closely with main contractors Linden Homes, part of the Galliford Try Group, Taylor Maxwell were pleased to assist with the specification and supply of a range of locally sourced natural stone products to this development. A selection of the high-quality homes have been built using natural stone walling for their exterior facades, and the majority of boundary walls and copings have been built using drystone walling sourced within 10miles of the scheme, adding to the local heritage of the development.

Natural stone lends itself perfectly to providing a unique and individual characteristic to a property, offering a hand-crafted touch and an overall feeling of high quality craftsmanship. Its durability as a construction product offers a high quality, long-term and low maintenance option that, rather than fading or showing aggregate with age, actually improves over time. The textural quality of the locally sourced stone permits the seamless integration of the new development within its rural environment.

The design of Sussex Court has successfully merged the characteristics of the local architecture, integrating the long-standing heritage and notable historic style, whilst providing easy access to the charming facilities that Harrogate has to offer. The development was formed to respect the wider landscape setting and intentionally looks to create a long term green edge to the historic spa town.

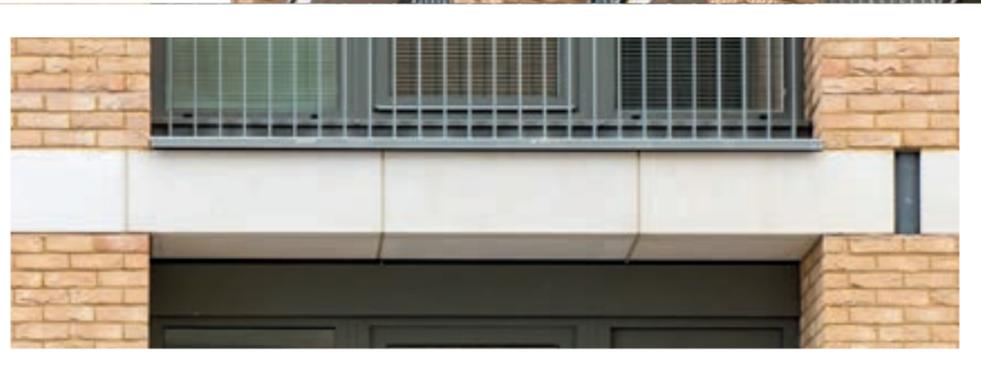


# West Hendon

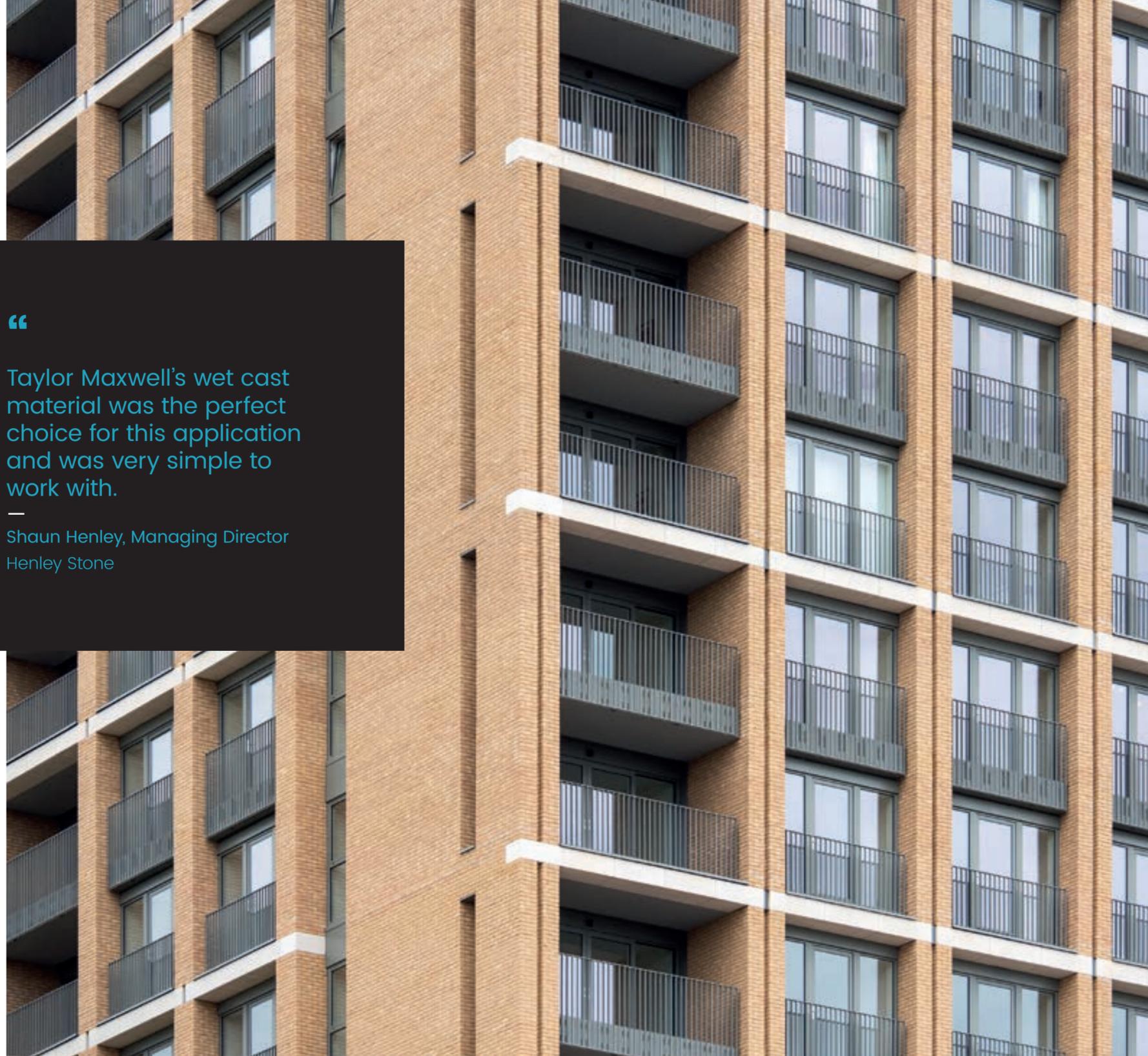
Reconstituted cast stone

See more projects at [taylormaxwell.co.uk/projects](https://www.taylormaxwell.co.uk/projects)

RECONSTITUTED CAST STONE BANDING



Hendon Waterside is a flagship Barratt London residential regeneration scheme in North London. The project itself is creating 2,000 new homes set in 170 hectares of beautiful grounds and gardens, which will provide residents with lakeside living within 30 minutes of Central London. The standout building on the site is the Vista building, rising some 26 storeys, with views across the Welsh Harp reservoir and the city beyond.



“

Taylor Maxwell's wet cast material was the perfect choice for this application and was very simple to work with.

—  
Shaun Henley, Managing Director  
Henley Stone



Shaun Henley, Managing Director of Henley Stone, the installer on the project advised 'many of the buildings have Portland wet cast stonework balconies and banding at floor levels around their perimeter. As stonework installers, we were pleased that Vobster Cast Stone (part of the Taylor Maxwell Group) was selected as the stonework manufacturer by both Barratt London and the architect Allies and Morrison.

"Having worked with Vobster for many years now, we knew we would be installing what we consider to be the very best wet cast material available on the market. This proved to be the case yet again, as our masons would frequently praise the accuracy and quality of the Vobster product."

Shaun continued "There were some very complex design issues which Vobster resolved with Barrett London in good time for us to install the stonework without interruption or delay. Their wet cast material was the perfect choice for this application and was very simple to work with. It provides a fantastic finish and contrasts extremely well with the adjacent bricks, metalwork and glass."

"Due to significant design restraints, we needed the supplier to be able to manufacture the material to very tight tolerance levels, and to be able to keep up with the high pressure demands of supplying to such an important flagship project. We are looking forward to working with them again on the next project and will continue to recommend them for projects to clients and architects without hesitation."



# Precast Concrete Solutions

114 Precast Concrete Solutions

116 Case Study  
Premier Inn

# Precast Concrete Solutions



**Precast concrete off-site wall construction is a fast and practical way to produce multi-unit structures across all building sectors, in a fraction of the time associated with traditionally built projects. The visual possibilities and technical benefits appeal to clients, architects and contractors respectively.**

Taylor Maxwell offer a range of architectural and structural precast components. This portfolio includes full structures, sandwich panels and facade panels which are available in a variety of material finishes including acid etched, grit blasted, polished, exposed aggregate, stone faced, brick faced and tile faced.

Insulated precast sandwich panels are ready made external building envelopes, which provide many advantages, such as drastically reducing build programmes as there is no requirement for scaffold or mast climbers. The panels are constructed off-site and comprise of an outer leaf of precast concrete, an insulating layer and a structural inner leaf of plain grade concrete with a powder floated internal finish. The external skin is connected to and supported by the internal skin using proprietary ties. The ties have a low thermal conductivity which eliminates potential cold bridging.

Where access is restricted, or the project programme demands fast on-site construction, precast architectural panels are the ideal solution. All units are manufactured off-site and are delivered ready for final preparation and decoration. Sections are designed for ease of construction and installation, and to conform with building and structural regulations. Where a facing brick finish is required, a dovetail cut is made into the rear of the brick, and the units are laid face down into a mould. Concrete is then poured over the rear of the bricks forming a completely mechanical key.

This method of construction allows increased design freedom for brickwork and its use on different areas of a building where traditional brickwork would not be possible, for example on soffits.

Other benefits of brick faced precast concrete systems include:

- Concrete is durable, strong and resistant to impact. It has excellent fire-resistance and acoustic properties.
- If required, components can be pointed on-site to ensure mortar colour consistency within the surrounding brickwork.
- Units can be manufactured to suit different brick dimensions and bond patterns.



## — Colours

Precast concrete can be provided in a variety of colours and finishes, utilising a large choice of aggregates and pigments.

## — Bespoke

Architectural concrete can be both structural load-bearing or non-structural, such as cladding. All architectural projects are designed and manufactured in an entirely bespoke manner.

## — Durable

Concrete is durable, strong and resistant to impact. It also has excellent fire-resistant and acoustic properties.

## — Affordable

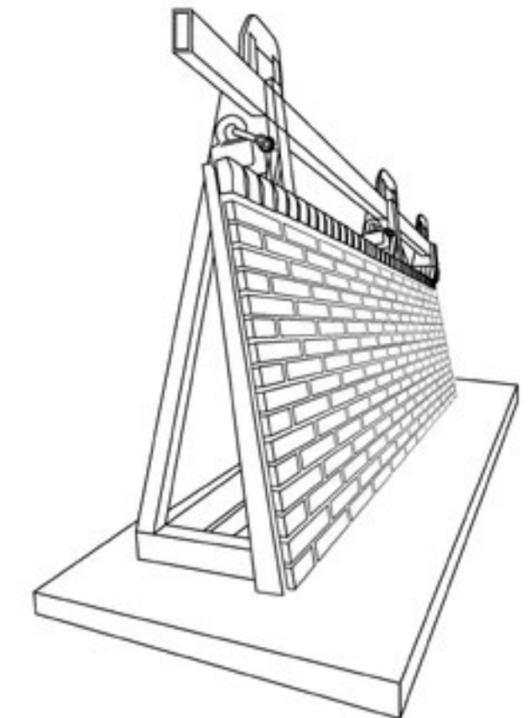
Design and manufacture off-site ensures consistent quality and lower construction costs.

## — Adaptable

Units can be manufactured to suit different building structures.

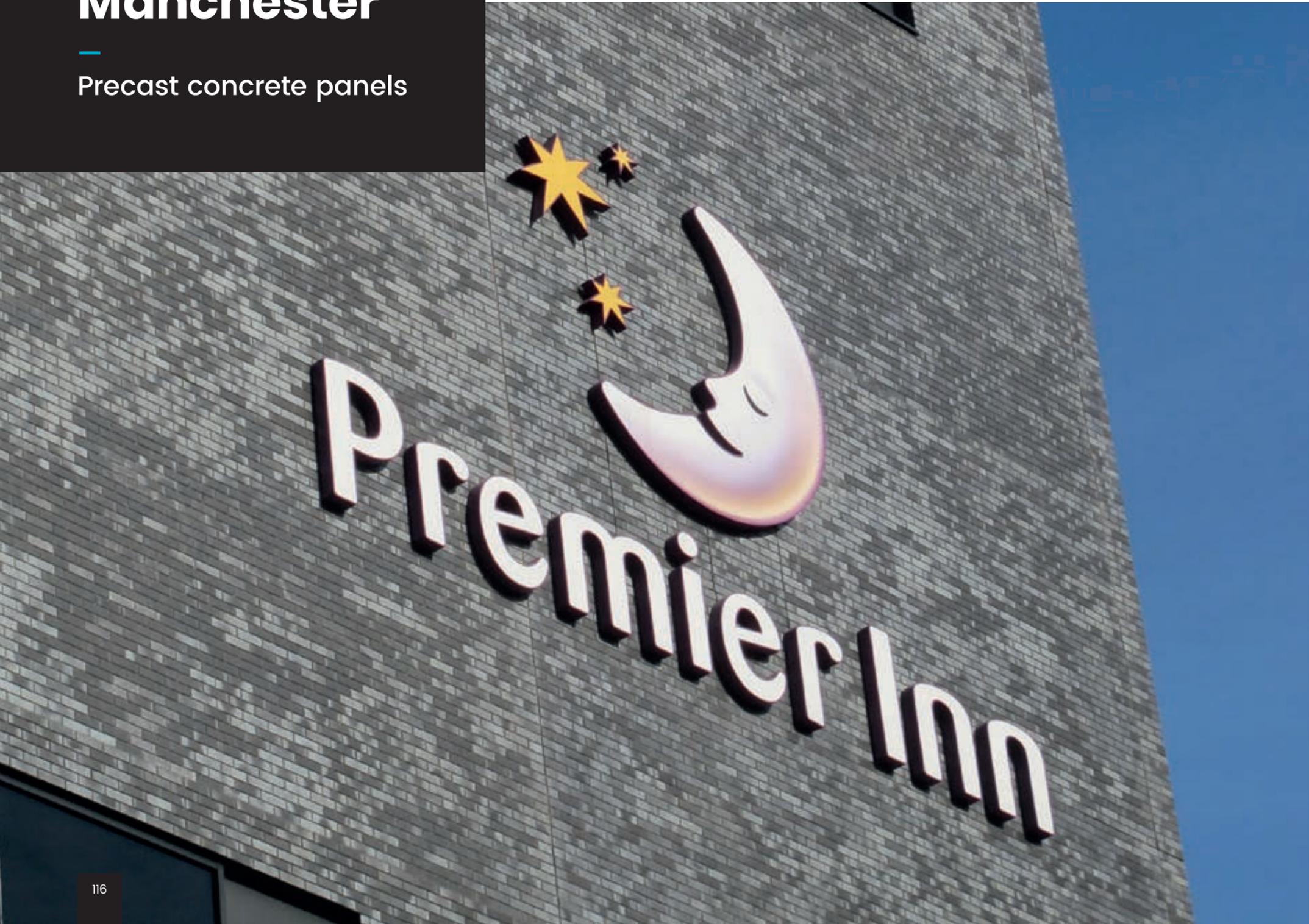
## — Fully Finished

Brick, stone or tile faced units can be supplied fully pointed.



# Premier Inn, Manchester

Precast concrete panels



See more projects at [taylor-maxwell.co.uk/projects](https://www.taylor-maxwell.co.uk/projects)

**In the heart of Manchester's city centre, on the edge of a key conservation area, the Premier Inn is a new build hotel providing 193 bedrooms over 12 storeys. The £10m flagship hotel is situated in an ideal location for Premier Inn's target customers, commuters and visitors; on the junction of three busy city centre routes and near Manchester's Piccadilly Station and central shops and restaurants.**

Key to the development, was the need to visually integrate the new build with the surrounding local architecture, whilst adding some modern design features. Manchester's city centre is home to a mix of Victorian warehouses, many of which are listed buildings, therefore it was crucial that the appropriate facade material was selected to meet the design specification.

Taylor Maxwell were approached to advise and support this development and, relying on a comprehensive local knowledge, assisted the specification of two types of European facing bricks, previously used in Manchester and supported by Manchester City Council. Over 70,000 facing bricks were supplied by Taylor Maxwell, alongside a phenolic backed brick slip system and mineral wool boards.

Taylor Maxwell's representative commented, "To assist with speed of construction and as a result of a number of challenges arising from the constrained site right in the heart of the city, it was decided that the building would be constructed using off-site precast concrete panels with the brick slips laid in-situ."

The innovative sandwich panel construction technique was used to construct the shell of the hotel, which allowed contractors Russells Construction to erect all 11 upper floors at a rate of one per week, saving an overall build time of three months on traditional brickwork installation and enabling project delivery ahead of schedule. The precast panels, including the insulation, brickwork and glazing elements, were able to be completed off-site under strict factory quality conditions, which provided an ideal solution for this controlled build.

The precast concrete system has been hailed for its speed of construction and aesthetic finish. The system also helps to improve safety, particularly on a constricted city centre site, with the need for scaffolding, bricklayers and glaziers working at a height removed, and panels being installed with a single tower crane.





Barnet



Birmingham



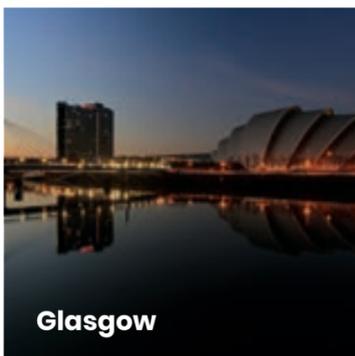
Bristol



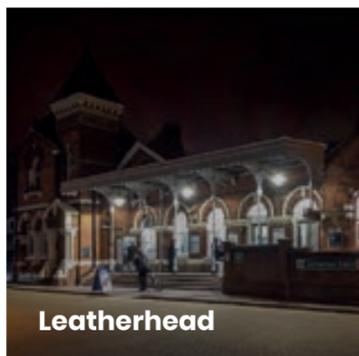
Cardiff



Edinburgh



Glasgow



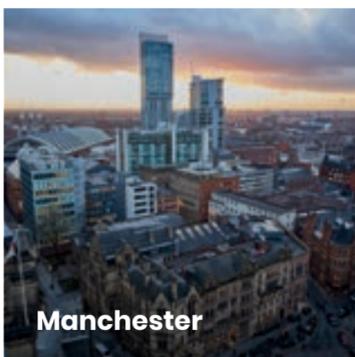
Leatherhead



Leeds



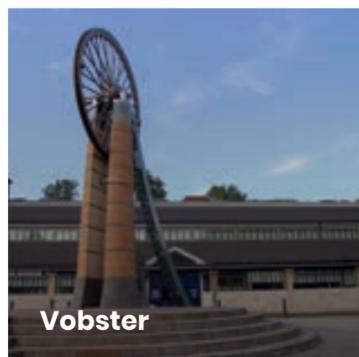
London Bridge



Manchester



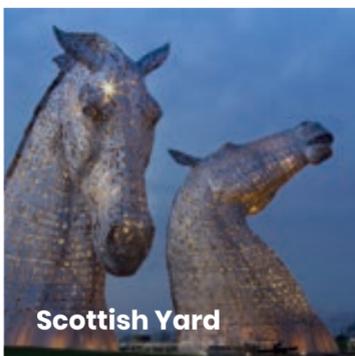
Nottingham



Vobster



Witham



Scottish Yard

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