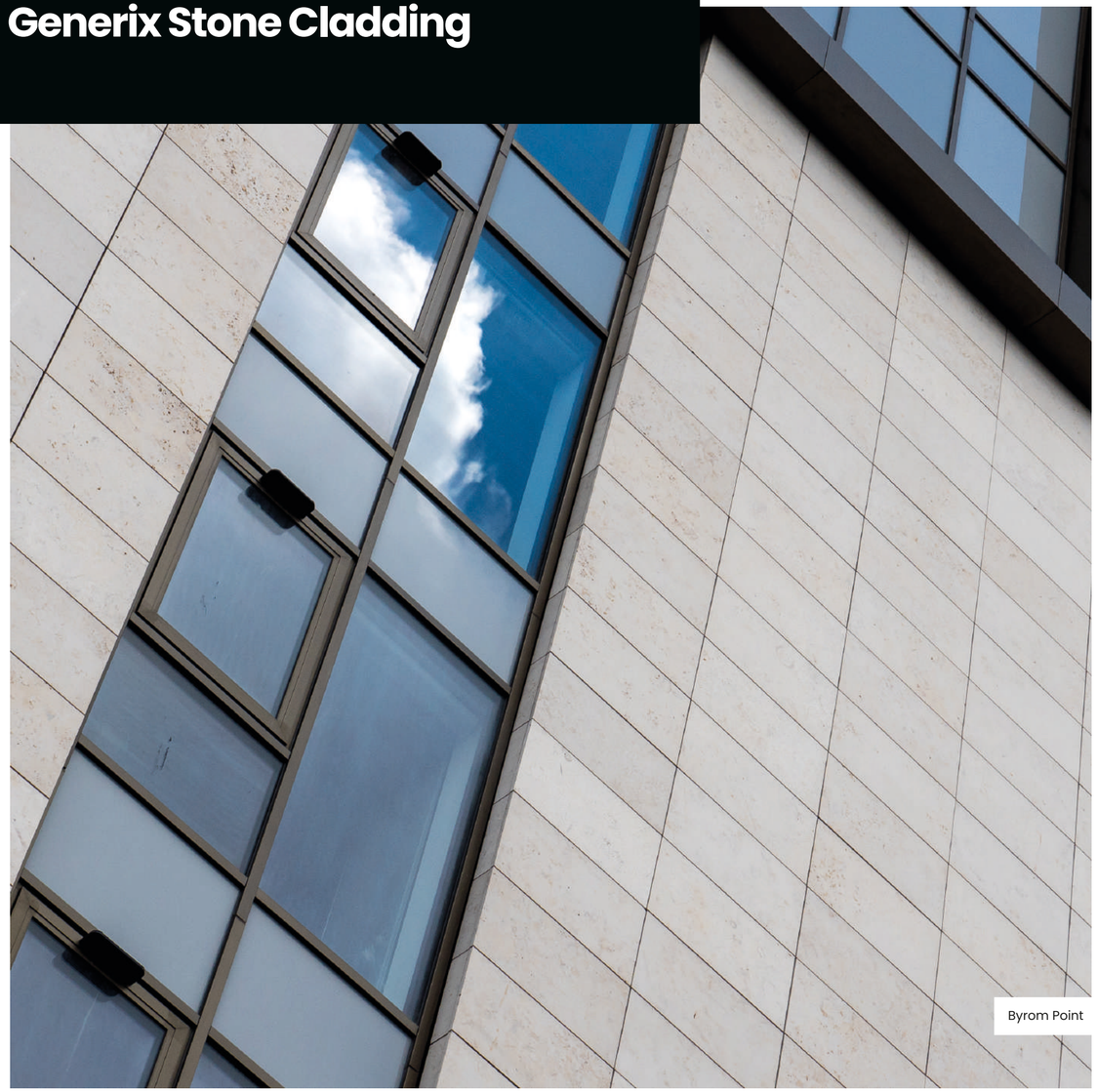
TAYLOR MAXWELL

Generix

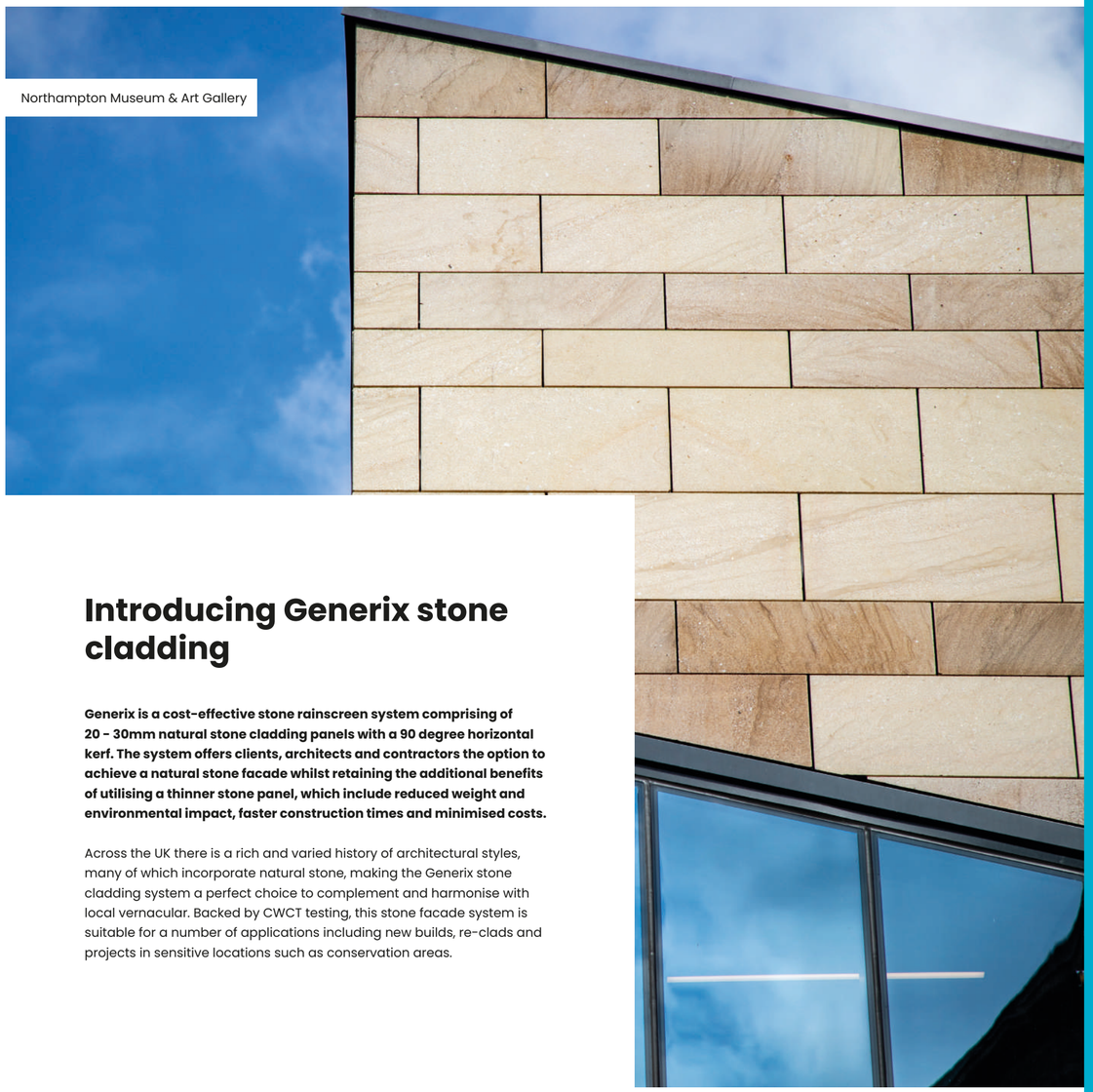
Stone Cladding

taylormaxwell.co.uk

Generix Stone Cladding



Byrom Point



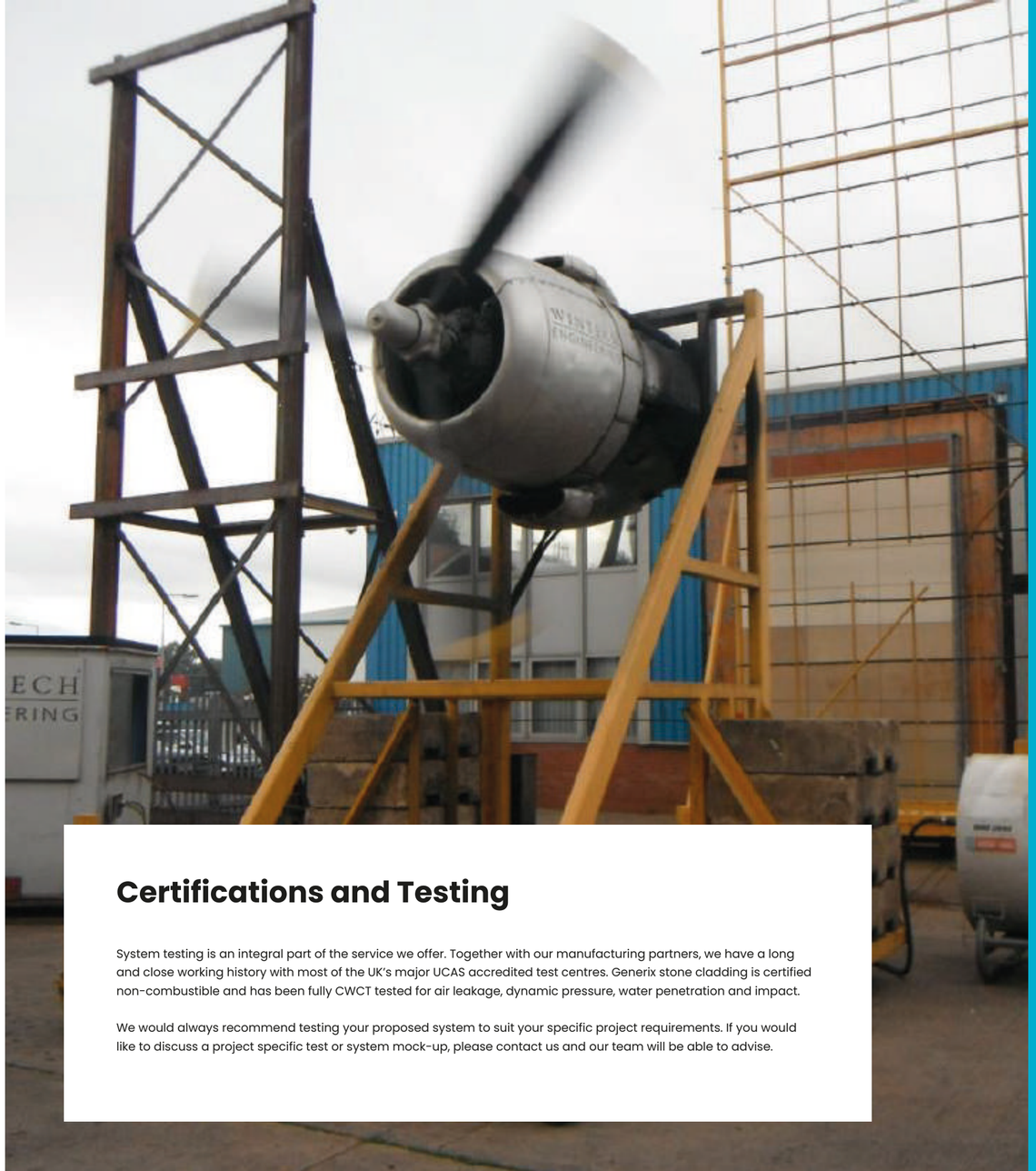
Northampton Museum & Art Gallery

Introducing Generix stone cladding

Generix is a cost-effective stone rainscreen system comprising of 20 - 30mm natural stone cladding panels with a 90 degree horizontal kerf. The system offers clients, architects and contractors the option to achieve a natural stone facade whilst retaining the additional benefits of utilising a thinner stone panel, which include reduced weight and environmental impact, faster construction times and minimised costs.

Across the UK there is a rich and varied history of architectural styles, many of which incorporate natural stone, making the Generix stone cladding system a perfect choice to complement and harmonise with local vernacular. Backed by CWCT testing, this stone facade system is suitable for a number of applications including new builds, re-clads and projects in sensitive locations such as conservation areas.

Gateway House

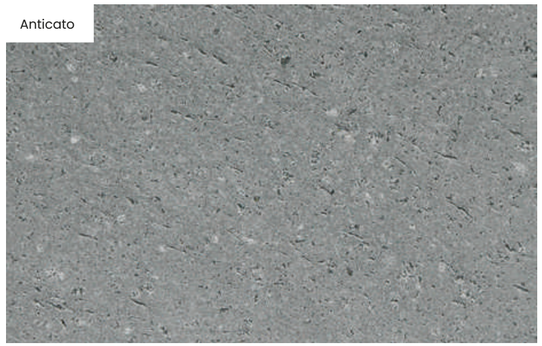


Certifications and Testing

System testing is an integral part of the service we offer. Together with our manufacturing partners, we have a long and close working history with most of the UK's major UCAS accredited test centres. Generix stone cladding is certified non-combustible and has been fully CWCT tested for air leakage, dynamic pressure, water penetration and impact.

We would always recommend testing your proposed system to suit your specific project requirements. If you would like to discuss a project specific test or system mock-up, please contact us and our team will be able to advise.

Anticato

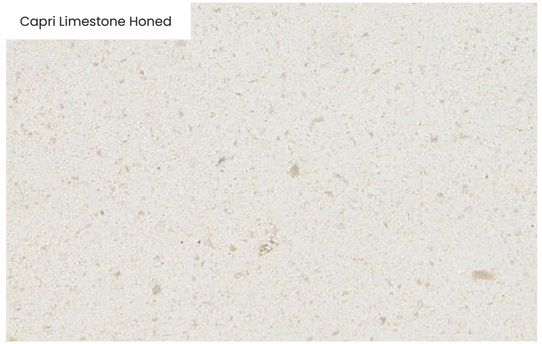


Buff Sandstone

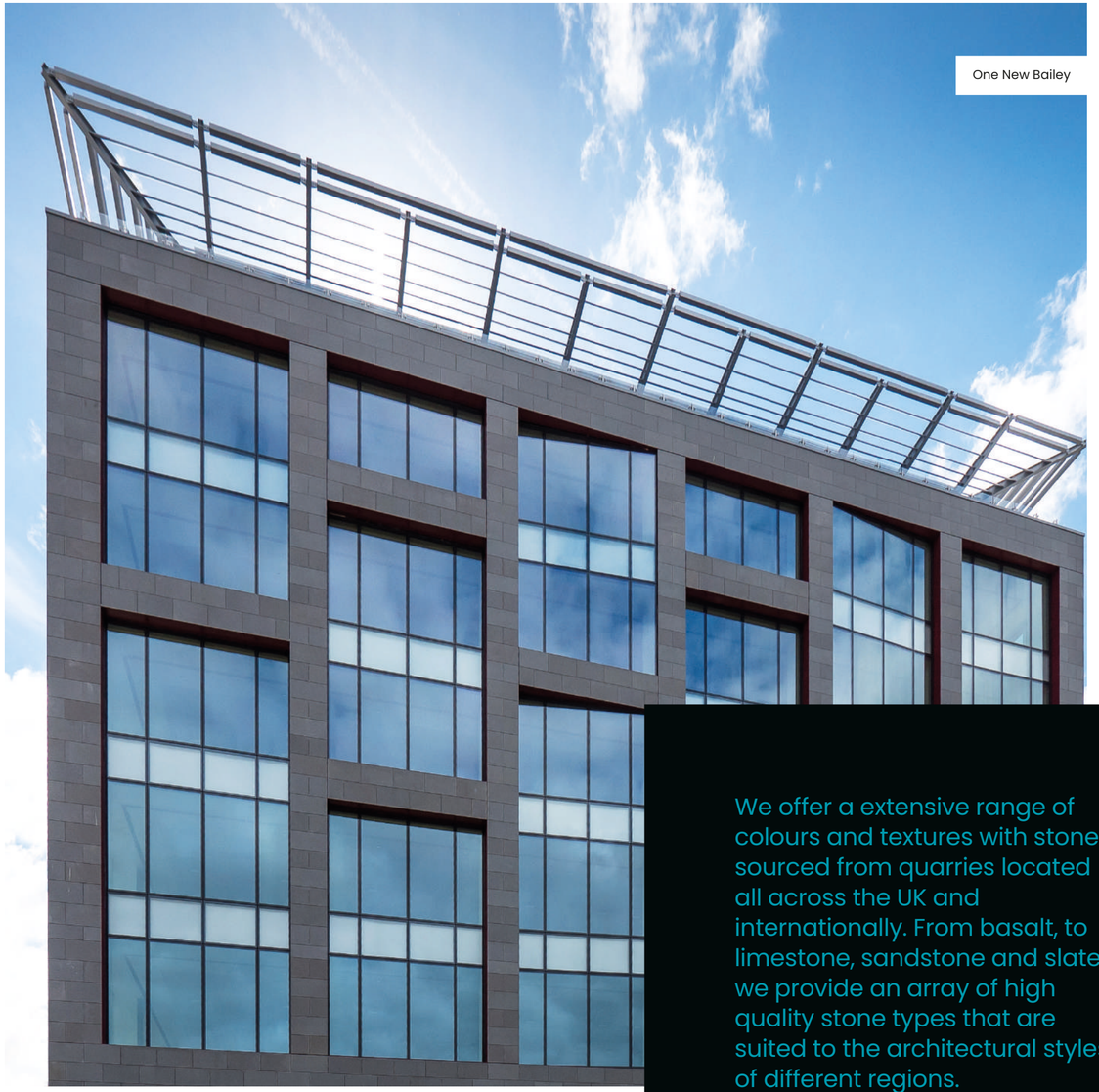
Jura Beige Polished

Mid Grey Granite Polished

Capri Limestone Honed



Volga Red Sandstone



One New Bailey

We offer a extensive range of colours and textures with stone sourced from quarries located all across the UK and internationally. From basalt, to limestone, sandstone and slate, we provide an array of high quality stone types that are suited to the architectural styles of different regions.

Generix is a quick and easy to install stone rainscreen system - the panels are secured to vertical rails using the patented one piece four way stainless steel clip attached by Tek screws. Vertical rails cut to size are lifted into their correct positions and fixed to brackets using specified fixings tightened to the correct torque. It should be ensured that the correct type of rail, i.e. single, double or corner rail is used in each individual rail location.

Rails should then be wiped clean and any moisture removed before applying 2 lengths of compressible neoprene strips onto each rail. These strips are then cut to length in the correct position by peeling off the self-adhesive backing paper.

Once all railing is complete, the installation of the specified insulation between the rails can commence using proprietary fixings, ensuring all insulation batts/boards are installed tight together with no gaps. Note that the system is designed to have a clear cavity gap between the outside face of the insulation and the rear face of the stone tile when installed.

After applying the neoprene and insulation, locate base or intermediate clip into tile slot (Kerf) location and secure with adhesive and Tek screw (where specified). The Generix one piece four way clip comes as standard in a stainless steel finish, or upon request in black.

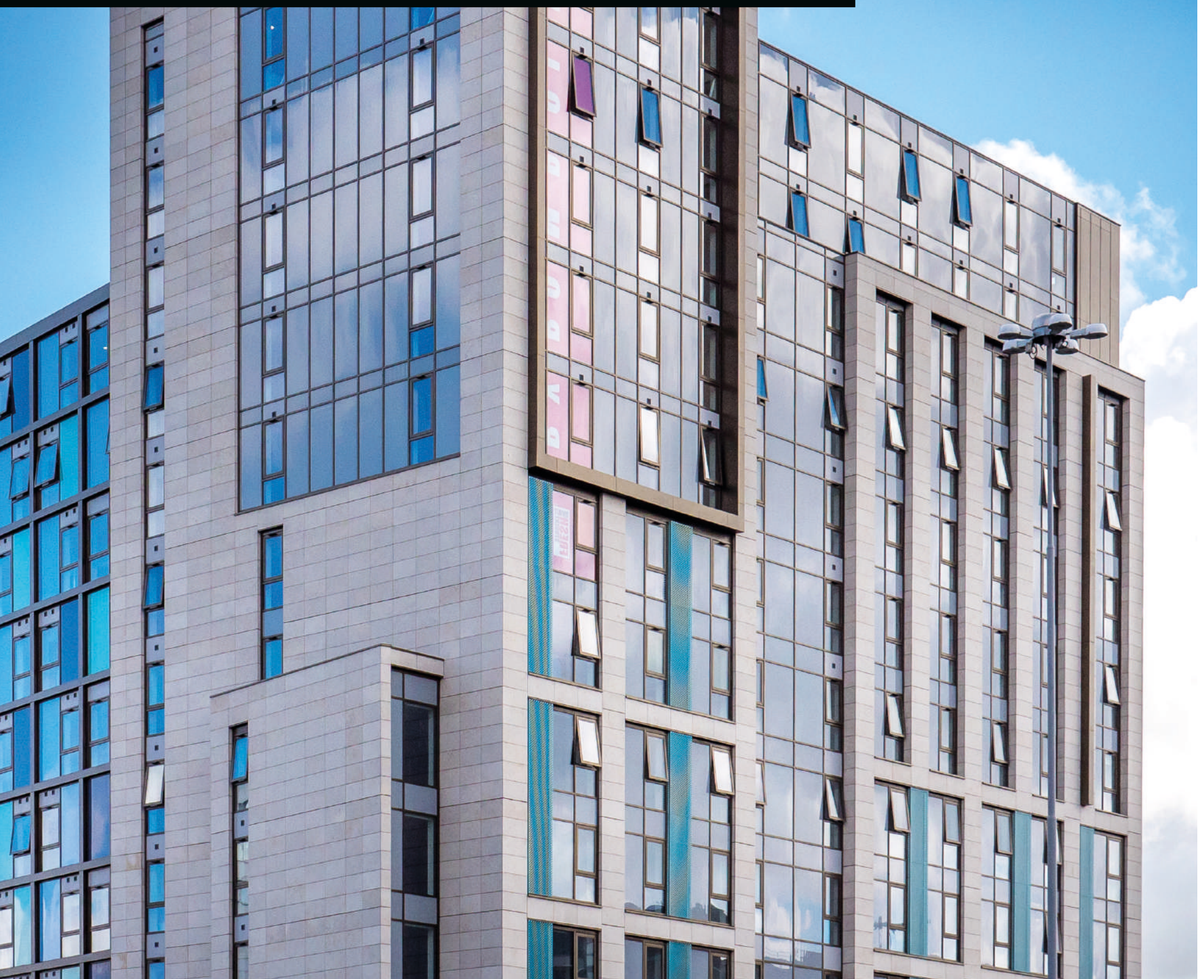
Prior to installation the external facade/structure should be surveyed and the vertical tolerance ascertained. The structure to be over-clad must be watertight prior to the installation of the stone rainscreen system, as the system is designed as a primary line of defence and not a watertight cladding solution.

Shrubhill

Cathedral Street

Byrom Point, Liverpool

Generix Stone Cladding



A new build student accommodation scheme clad in Jura limestone is a worthy addition to the architecturally significant World Heritage site around Liverpool's docks.

Liverpool architects Falconer Chester Hall (FCH) were commissioned to design a 398-bed student accommodation scheme and retail development with ground floor retail on Byrom Street in Liverpool. The development was for two blocks at 12 and 14 storeys with a 12 storey glazed link situated between. The site has famous Victorian buildings such as the Walker Art Gallery and the World Museum just across the road, and the World Heritage status of the area underlines its historical value.

Taylor Maxwell worked with the architects and contractors to specify and supply over 3,000sqm of the Generix stone cladding system to the development.

The student accommodation building was to be a new landmark for the northern approach to the city centre, whilst being in close proximity to several buildings of great historical significance in the area. Therefore the design and materials were extremely important to the architects. Their goal was to design a facade which could be read in the context of the neighbouring Victorian buildings and included references to key features such as regular window patterns, recesses and colour banding.

Having worked with Taylor Maxwell previously, FCH came across the Generix stone rainscreen system on our website and felt it would be the perfect choice to soften the overall development. Our team provided samples and sizes and parameters of the system to allow FCH to develop the design, demonstrating there would be minimal waste. To echo the architectural language of the buildings nearby, FCH wanted to create slim horizontal bandings which could be read against the deeper and more open vertical proportions above; a feature the planners were also keen to achieve.

Once planners signed-off on the system, our team attended meetings with the client and contractors to demonstrate the system's suitability and cost-effectiveness. When compared with traditional stone, the Generix rainscreen cladding system is a fast and cost-effective alternative that provides ease of installation and a striking visual finish. Due to its inherently natural properties and the pale shade of limestone selected, the system paired perfectly with the other materials, providing a crisp backdrop to key features such as grey aluminium panels and light green perforated aluminium details.

Gareth Roberts from Watkin Jones said, "We've created an iconic piece of architecture that's on a key route into the city." Mike Gore, Director at Falconer Chester Hall agreed and added, "It looks fantastic. The façade has the quality aesthetic we were seeking and all the interface details appear well resolved. We are happy with the end product, we pushed for high quality materials with some effective detailing from the outset and are pleased it's worked out with this system".

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> It was key for us that we used a really good product that would make a positive impact and tie in with the other buildings in close proximity. The planners appreciated what we had developed with Taylor Maxwell and the contractor could see it was a high quality product.
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> Mike Gore - Director, FCH Architects

One New Bailey, Manchester

Generix Stone Cladding

One New Bailey is a Grade A BREEAM excellent office building, totalling 125,000 sq.ft. Consisting of eight floors of prime space rising above the banks of the River Irwell, it's a building that plays a key role in the transformation of this underused land.

One New Bailey was the first commercial space to be completed in the New Bailey Commercial Quarter Masterplan; a development that creates a much needed link between Manchester's Deansgate, Salford's central station and Chapel Street. On completion, it provided over 200,000sqm of mixed use space in this prime location.

Taylor Maxwell were pleased to work with the architects and contractors to supply Argeton terracotta and Generix stone cladding to the striking development which occupies a prominent position in the heart of Manchester.

Dating back to 1787, the site was once a Georgian prison. Upon discovery of the remains of the prison, extensive archaeological works were carried out by Buro Four to investigate the history of the structure. The tools used to construct the prison that were discovered on site remain on display in the new building.

With this rich industrial heritage to consider, including a number of remaining Victorian buildings, the process of reviewing and selecting materials was extremely important. Alasdair Mealey, Architect from Aedas RHWL explained a bit behind the process. He said, "when we were looking at the Argeton terracotta cladding, there is a historic viaduct a very short distance from the site, so it was important that we colour-matched with that.

We achieved this by recreating an obsolete British Standard paint colour and applying it as a special glaze to the terracotta. When it came to the colour of the Generix stone cladding that was to be used, we visited the quarry in Italy to ensure we got it exactly right".

Due to the amount of thought that had gone into how the choices would work together, installation was relatively straightforward. Andy Barker from Simco said, "As installers, we need to have confidence in what has been proposed, so we are always happy to work with Taylor Maxwell. They have the experience and expertise that ensures the solution is fit for purpose. They are also very easy to work with."

Argeton and Generix are systems that are easy to install, utilising simple support structures and come in a variety of colours and finishes. Taylor Maxwell were pleased to supply over 1,000 sqm of Italian stone in a natural slate grey shade and 300 sqm of Argeton terracotta red tiles to this striking development. Architect Alasdair concluded, "one of the great things about One New Bailey, is that it has already lifted the area. The fact that the majority of it was snapped up by two prestigious clients as tenants, even before it was complete, speaks volumes".

"Our performance specification for materials was very detailed and the design was complex, so the Argeton terracotta and Generix natural stone cladding needed to work together seamlessly. I was impressed by the way that Taylor Maxwell could offer a joined-up solution."

Alasdair Mealey - Architect, Aedas RHWL

Working in close partnership with the architects at Aedas RHWL, Taylor Maxwell were pleased to supply Argeton terracotta and Generix stone cladding to the striking development which occupies a prominent position in the heart of Manchester.

Shrubhill, Edinburgh

Generix Stone Cladding

Shrubhill in Edinburgh is a £12.5m student accommodation and retail space on the hillside where the city slopes down to meet Leith. Across five storeys, the building provides 260 bedrooms in a mixture of 'cluster flats' complete with ensuite bedrooms and studios, along with onsite laundry facilities and five retail units on the ground floor. After diligent consultation with statutory authorities and resident organisations, the project included the demolition of previous office buildings on the brownfield land site.

Taylor Maxwell worked with CAG Architects and Ogilvie Construction to specify and supply 2,400 sqm of Generix stone cladding and natural stone to this centrally-located development, in shades complementary to nearby sandstone tenements.

Building in a conservation city requires extremely sensitive design. When CAG Architects set about designing Shrubhill, they had to take into account the rich and diverse architectural and cultural heritage of the district. Architect Gregor Small explained the thinking that went into the design of the new building on Leith Walk - the main artery linking Edinburgh and Leith: "It's an interesting, quite bohemian part of the town with an eclectic mix of buildings and shops. It has its own character and a lot of people have lived there all their lives."

Planners liked the stone finish, but initially insisted the building be clad in solid stone on all five storeys which would have proved too costly for the client, Ziggurat Student Living. Ogilvie Construction, the lead contractor on the project, had approached Taylor Maxwell and other suppliers to try to find a stone cladding system that would meet the financial and planning requirements of the build. Our team put forward a solid buff sandstone for the ground storey and for the upper levels, Generix stone cladding panels fronted with the same stone. We worked with all the teams to ensure the Council had all the information they needed to make a decision on the most suitable materials.

Once the planners had seen how similar the stone cladding panels looked to the solid stone, they were given full approval, which significantly reduced material costs and installation time on site. This was important as the project had a strict completion date which aligned with the new intake of students in September. Ogilvie Construction's Project Director Stewart Edgar said, "once the stone was ordered, it was all available on time and in all the right quantities. The overall service from Taylor Maxwell was very good. They pay attention to your needs and they really didn't put a foot wrong."

Using the Generix stone cladding system enabled the new building to blend into a historical area - a cost-effective method now being recommended by local planners. A worthy addition to a historically significant part of Edinburgh, the results were so effective that Ogilvie decided to use the stone rainscreen system again on a nearby student block further up Leith Walk in another British sandstone.

Premier Inn, York Place, Edinburgh

Generix Stone Cladding

This development for Consensus Capital Ltd comprises a comprehensive conversion of a 40,000 sq ft existing 1970s office building, located centrally within the New Town and World Heritage sites in Edinburgh, providing a new 127-bedroom hotel for Premier Inn next to St. Paul's & St. George's Church on York Place. A former concrete office block once occupied by HM Revenue & Customs, the development has provided a contextually sensitive new lease of life to the prestigious site.

Taylor Maxwell worked with Holmes Miller, Interserve Construction and Clad UK to specify and supply the Generix stone rainscreen system in a natural buff stone shade to provide a contemporary yet sympathetic finish that was required for the building's historical context.

Careful consideration had to be given to the external appearance of the building and therefore Holmes Miller worked closely with the City of Edinburgh planning department to produce a design that was sympathetic to the sensitive and historic context, whilst also being contemporary, refined and elegant. The new hotel was to be less than a minute's walk from the Edinburgh Play House, Princes Street and St Andrew Square, all of which demonstrate the New Town's Georgian and neo-classical architectural style.

The City of Edinburgh is famous for having some of the most beautiful stone-constructed buildings in Europe which can be traced back to it's volcanic history, leaving vast sandstone resources in the area. These resources were heavily exploited in the 18th century, with a decline following the First World War after the introduction of concrete which was shortly reversed when architects recognised the natural product as not only more aesthetically pleasing, but more durable. The Generix stone cladding system provided the perfect solution to achieving a natural stone facade, whilst benefitting from additional benefits such as fast-track installation.

Sitting comfortably within its locale, the Premier Inn was completed using the Generix natural stone cladding, along with zinc panels and full height glazing. Generix provided the project with a cost-effective, lightweight and fast-track alternative to to a traditional build method using solid stone. Alongside providing the harmonious finish required for the building to blend within its historic setting, the stone rainscreen system worked perfectly with the other building materials utilised on the project.

The buff stone selected achieves the elegant and timeless facade finish the architects were aiming to achieve and due to its durable nature, provides all involved with the confidence that it will stand the test of time.

"Our design team worked in close parthership with Edinburgh Council, Premier Inn and Interserve Construction to ensure delivery of a high quality building and brand in this planning sensitive area within the World Heritage Site of Edinburgh's New Town."

Mark Emlick - CEO, Consensus Capital Group

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For more information, samples or to speak to one of our product advisors, please call 0203 794 9377 or email enquiries@taylor.maxwell.co.uk