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# ARCHETECH

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## Main Features

- Editors Choice **15 - 39**
- Bathrooms & Kitchens **44 - 45**
- Coatings, Sealants & Paints **46 - 47**
- Doors, Windows & Fittings **50 - 67**
- Fire Safety & Security **68 - 75**
- Floors & Flooring **76 - 79**
- Heating, Ventilation & Insulation **85 - 89**
- Interiors & Interior Design **94 - 99**
- Landscaping & External Works **103 - 107**
- Lighting & Electrical **111 - 115**
- Roofing, Cladding & Facades **117 - 123**
- Timber & Timber Frame **124 - 125**
- Editorial Highlights **128 - 131**



## Case Studies/Trade Shows

### Arup - 4

Standing out from the cluster of other prestigious high-rises in the area, 52 Lime Street's external appearance is sleek and geometrical, owing to a series of intersecting reflective planes that create its distinct identity and the diagonal fold running from top to bottom.

### Staticus - 12

Staticus was appointed by HG Construction on behalf of Alumno Developments to deliver the building façade for the Aspire Point development - student accommodation for Queen Mary University of London.

### Edward Street - 32

Designed by BuckleyGreyYeoman, Edward Street Quarter is inspired by Brighton's eclectic street scene and will introduce a new high-quality public realm, with three new public spaces created by renowned landscape designers Spacehub.

### GPAD - 40

Award-winning architect and interior design practice gpad london ltd has completed Stylus, a high-end office redevelopment in the St. Luke's Conservation Area in Old Street. Dating from 1886, the façade is the only original feature retained. The 37,000 sq. ft. of new floorspace responds to demand for contemporary office space in Silicon roundabout.

### F1 Real Estate Management - 48

Located in the heart of Croydon, Leon House is one of the UK's finest examples of 20th century modernist architecture, and its conversion into 263 spacious, light-filled one and two bedroom apartments is now appealing to young city dwellers.

### Chevalier Morales - 62

The Maison de la littérature is located in the historic neighbourhood of Old Québec, a site part of UNESCO's World Heritage List. In this particularly dense urban setting, Chevalier Morales designed a contemporary annex, a simple and refined volume, to the Wesley Temple, a neo-Gothic heritage church.

### Firex Preview - 68

FIREX International takes place from 18 – 20 June 2019 at ExCeL London and is free to attend. It is the only event that connects the global fire and security markets, giving you access to the very latest technology from suppliers around the world. So, whether you work solely in the fire industry or across both fire and security,





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# 52 LIME STREET

: ARUP

52 Lime Street – nicknamed “The Scalpel” – is a striking new addition to the City of London’s iconic skyline, due to its bold, angular design. At 190m tall, the completed building includes 35 floors of office, retail and restaurant spaces, utilised by its various financial group tenants and as the UK headquarters for insurance group WR Berkley Corporation.

Standing out from the cluster of other prestigious high-rises in the area, 52 Lime Street’s external appearance is sleek and geometrical, owing to a series of intersecting reflective planes that create its distinct identity and the diagonal fold running from top to bottom.

Its massing is shaped by the adjacent buildings, the history and character of the area, and the London viewing corridors, particularly the kinetic view of St Pauls from Fleet St. Further, the inclined northern façade on the Leadenhall St side allows the head of the building to dip respectfully behind the cupola of St Paul's so that it is not visible. Together with the Leadenhall Building, the paired but mirrored gestures of the two buildings make for a theatrical urban conversation that has set a precedent for responding to the City's protected views.

Using cutting edge technologies, the structural design minimised cost and maximised lettable floor area. The unique building was designed with an asymmetric core offset to the south, creating an efficient and stylish working environment with large, open and uninterrupted floor plates. This was a key requirement from the developer, WR Berkley, along with floor to ceiling glazing, building performance metrics better than BCO and exemplary sustainability performance.



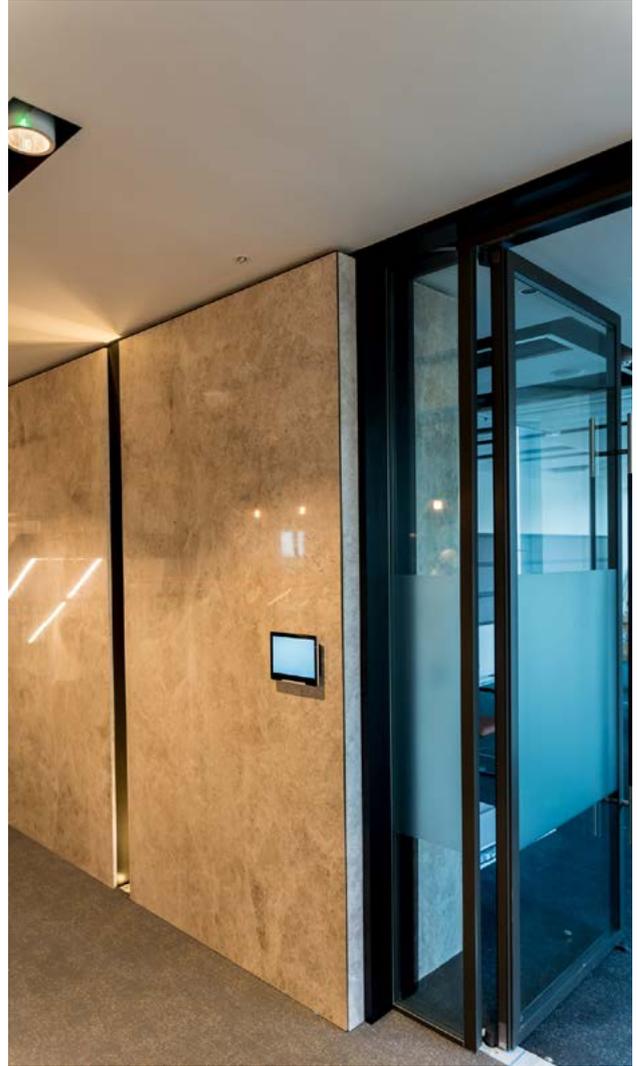
USING CUTTING EDGE TECHNOLOGIES, THE STRUCTURAL DESIGN MINIMISED COST AND MAXIMISED LETTABLE FLOOR AREA.

THE BUILDING FAÇADE COMPRISES A DOUBLE-GLAZED UNIT SKIN, A SIMPLE AND COST-EFFECTIVE SOLUTION DESIGNED TO CONTROL SOLAR GAINS AND PREVENT OVERHEATING.

Due to the asymmetric core, inclined north façade and sharply trapezoidal plan form, the core's centre of stiffness was eccentric to the centre of load from wind and the centre of mass. It becomes even more eccentric as the low rise and mid and high rise lift banks reduced (from three serving the lower floors to only one servicing mid and upper floors) and the core shrinks towards the south east corner of the building, opening up valuable upper floor plates. To counteract twisting, the building needed torsion stiffness. Columns were placed at 6m centres in the perimeter to coincide with the planning module. There are four internal columns in the lowest level of the tower. As the floor plates reduce in size the columns drop off. By level 26 the floor plate is column free.

The interaction between the angular building shape and the prevailing wind was also a structural design factor. Inspired by the engineering methods used to limit wobbling on the Millennium Bridge, the building has 'integral viscous damping' where oil filled dampers are built into the stability system, absorbing the energy of motion that builds up during a wind storm to make the building comfortable even on the windiest days. This innovative design solution negates the need for a TMD, saving more than £2M and 1100sqf of lettable space.

The engineering team developed an algorithm that led to every beam being unique. This led to saving 700 tonnes of steel, and as a result, saving 1,300 tonnes of embodied carbon dioxide and £1.4 million in manufacturing costs.

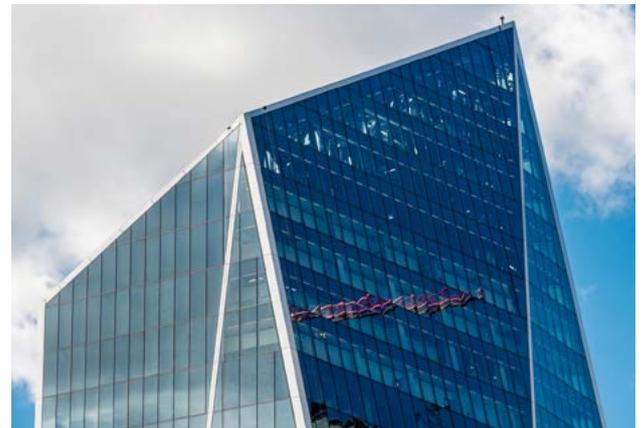




The building façade comprises a double-glazed unit skin, a simple and cost-effective solution designed to control solar gains and prevent overheating, while helping to achieve greater distribution of daylight for an optimum indoor environment. The asymmetric core includes the lift shafts and staircases that stand adjacent to the inclined northern side of the building and shield the office space from the harshest rays of the midday sun, drastically reducing CO2 emissions by lowering demand for cooling. This reduction has enabled the building to achieve a BREEAM 'Excellent' rating, the first building to achieve such a high rating under the guidelines.

Arup worked closely with architects KPF, playing a key role in the project, providing engineering and specialist design.

<https://www.arup.com/>





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# ARCHETECH

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The Archetech magazine is an insightful information source for Architects, Architectural Technologists and Interior Designers. We feature lead stories on current projects, industry news and case studies so that our readers have the opportunity to keep up to date in the ever changing world of architecture and design.

Archetech offers architectural and design services to all those who are initiating, planning and implementing projects. Whether you're an interior designer, architect, technologist, investor or builder who is searching for inspiration for the next project, Archetech hosts the latest products, case studies and services to meet those needs.

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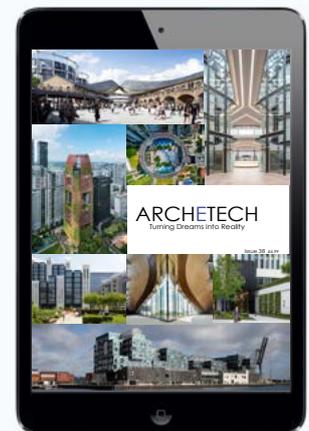
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If you've recently finished a project, conversion or renovation, why not submit it to our Managing Editor for a chance to be featured in our next issue! Email [antony@archetech-media.co.uk](mailto:antony@archetech-media.co.uk) with details of your latest project.

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# ASPIRE POINT UNIVERSITY ACCOMMODATION **FAÇADE IN STRATFORD, LONDON**

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• **STATICUS**

Staticus was appointed by HG Construction on behalf of Alumno Developments to deliver the building façade for the Aspire Point development - student accommodation for Queen Mary University of London.

The Staticus team was responsible for the design, manufacture and installation of the façade, working closely with MJP Architects on the design.

Managing Director of Staticus UK, Paulius Gurksnys, explained: "Staticus specialises in sustainable aluminium glass façades, which is what we used in this development. For this project, we used terracotta tiles as a rainscreen cladding on top of the unitised panels."

"All the materials were prefabricated at our factory in Lithuania and then installed on site by our team. One of the biggest challenges with this project was the transport of the heavy tiles from Lithuania to London by road - I'm very proud that we delivered all the tiles to the site undamaged."

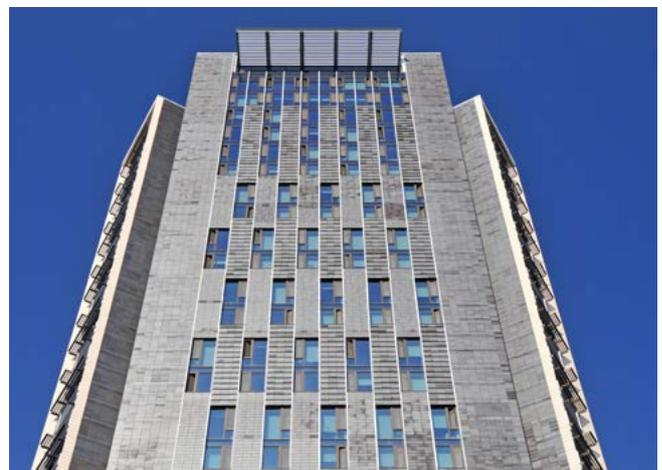
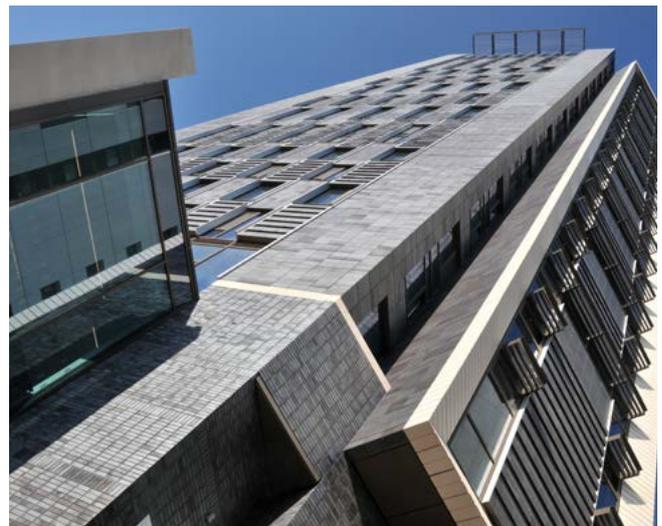
MJP Architects is an award-winning architectural practice, best known for the BBC building in central London. Student housing is the firm's forte and the team has worked extensively in Oxford and Cambridge with the colleges and has recently completed several projects in Birmingham and Warwick. Aspire Point was the firm's first tower design.

Russell Clayton, Associate at MJP Architects, commented: "Aspire Point was a long time in gestation. It took us three and a half years to get to site. It was a difficult site on Stratford High Street, keeping the planners happy and delivering something of high quality.

"The key thing with this particular building, was trying to achieve something of solidity and gravitas. There's a lot of rather lightweight looking buildings on Stratford High Street, and for us, the plan was to raise the design bar and produce something that was heavyweight and looked like it was going to stand up for 100 years. The challenge was being able to deliver that with a factory-made lightweight system that could be put up in a reasonable timeframe.

"We went through a number of different contractors to try and deliver the project and a number of different schemes for the construction logistics, before HG Construction appointed Staticus and we were able to take the project forward.

"It was a very positive experience working with Staticus. It was a collaborative effort, exchanging ideas by email and proactively problem solving as a team. Part of the process was a visit to Staticus' factory in Vilnius, Lithuania, to see drawings and 3D models the team had designed and to investigate how they would fabricate and deliver the façade. That was a really important part of the process.



ASPIRE POINT WAS A LONG TIME IN GESTATION. IT TOOK US THREE AND A HALF YEARS TO GET TO SITE.

## WHAT SETS STATICUS APART FROM ITS COMPETITORS IS ITS IN-HOUSE CAPABILITIES WHICH MANY OTHER FIRMS WOULD HAVE TO SUBCONTRACT OUT.

"Given the opportunity to work with Staticus again, I think that would be a fantastic experience. They delivered the project on time, the attitude was perfect, they were problem solvers and were always able to come up with solutions in a timely fashion, so I would welcome the opportunity to work with them again and would not hesitate to recommend them to other contractors, architects or developers."

Alumno Developments, established in 2006, are a specialist student accommodation provider in the UK. The Aspire Point development was its fourth project in London and also its first ever tower.

Ron Plunz, Development Manager at Alumno Developments, commented: "The main challenge with student accommodation developments is that the occupiers arrive in September so there is no room for the timescale to be extended. Therefore, what counts for us in terms of contractors and subcontractors is their ability to deliver on time. What's also important is of course, cost and design integrity as well as compliance with regulations.

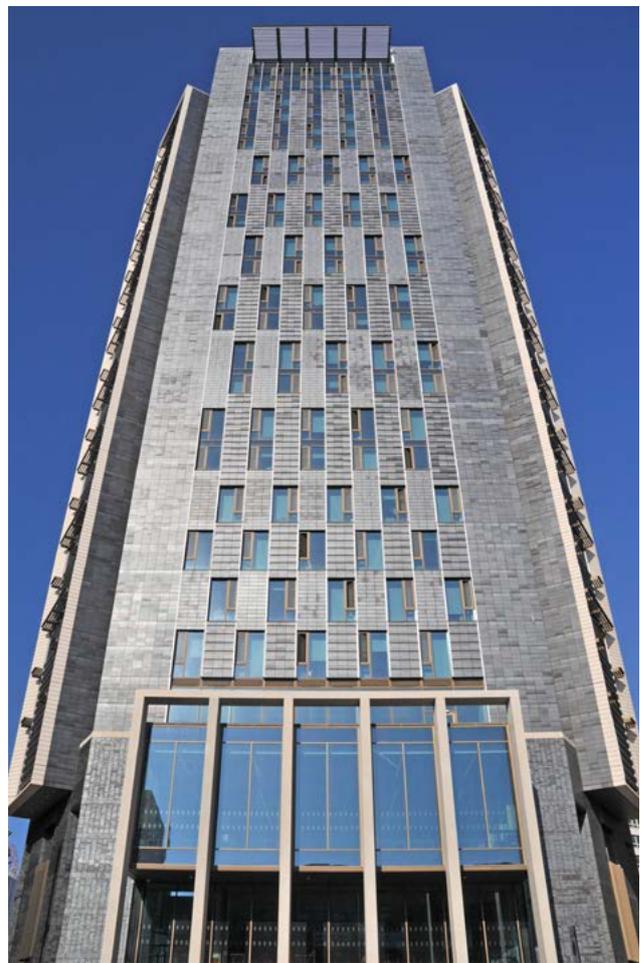
"Working with Staticus and HG Construction was a very refreshing experience because they worked diligently and proactively. I always felt in very safe hands with Staticus – whenever I attended their design workshops the team were very reassuring and were able to give answers to any questions I had, or that I had received from the university, students or parents.

"I have to say, the Staticus team were the friendliest consultants I've ever worked with! We have already recommended them to colleagues for other projects and would happily work with them again."

HG Construction Ltd is a growing construction company which works in the student accommodation, commercial and residential sectors. Having worked with Staticus before, Managing Director Conor Rice recommended them for the Aspire Point project.

Conor explains: "We have worked with Staticus twice in the past and were impressed with their professionalism, design capabilities, in-house design and manufacturing. When tasked to construct our tallest building to date, we were confident that they were the right company for this project and we changed the façade design completely to make their unitised curtain wall system work."

"What sets Staticus apart from its competitors is its in-house capabilities which many other firms would have to subcontract out, which can create communication difficulties. Their willingness to give access to the design process early on also makes them stand out and makes the whole process much smoother.



"Working with the Staticus team has been an absolute joy. They are consummate professionals, technically advanced and I would strongly recommend them to other construction companies."

Staticus is growing its UK presence and is already responsible for the iconic look of buildings in Manchester and London, offering a comprehensive façade engineering service – from conception and design through to manufacture, installation and project management.

The firm recently won the contracts for two developments in the UK; Two New Bailey in Manchester and Royal Mint Gardens in London.

[www.staticus.com](http://www.staticus.com)

# SIMONSWERK TECTUS® GLASS- WINNER AT THE ARCHITECTURAL IRONMONGERY SPECIFICATION AWARDS

SIMONSWERK UK are pleased to announce that the new TECTUS Glass has been awarded 'Best new product design and innovation 2019' at the Architectural Ironmongery Specification Awards. Organised by the Guild of Architectural Ironmongers and in conjunction with the Royal Institute of British Architects (RIBA).



The category is new for 2019 and has been created to celebrate new door and window hardware products, allowing advancing technologies to be fully showcased and recognised. The winners of the AI Specification Awards were announced on Thursday 21st March at the OXO2 in the OXO Tower building in London. Industry professionals gathered to identify and reward excellence in the specification of architectural ironmongery.

## TECTUS GLASS - FLUSH GLASS DOORS IN THE LIMELIGHT

The New TECTUS Glass provides aesthetic and functional solution for the minimal, flush-fitting installation of glass doors. The completely concealed hinge system creates a flush door structure for interior rooms. The design of the hardware solution is elegant and minimalistic. TECTUS TEG 310 2D makes sure that the door leaf lies in the same plane as the hinge and the frame. The hinge system carries load capacities up to 80 kg. The overall installation is extremely easy as no glass preparation is required.

The concealed hinge system gives the glass door unprecedented transparency and lightness, for contemporary interior design concepts. The patented hinge technology is barely visible and provides a reliable and durable function due to the stable hinge properties. The hinge technology is suitable for 8 and 10 mm glass doors in interior constructions for high-quality residential and heavy-duty projects with timber, steel and aluminium frames.

## COMPREHENSIVE HARDWARE SOLUTION FOR GLASS DOORS

The new glass door solution from SIMONSWERK includes not only the TECTUS Glass hinge system but also a magnetic latch and handles as an alternative to standard components. The closing magnet and the strike plate on the frame provide a contactless and silent closing process which can be adjusted to the desired latching strength of the door. All components of the new solution have a minimalistic design and are therefore suitable for use with modern timber interior doors.

Complete information on the new hinge technology and the whole product range can be found at [www.simonswerk.co.uk](http://www.simonswerk.co.uk)



## TECTUS® Glass

Minimalist hardware components for glass doors





### TECTUS® Glass – Product overview



Hinge system      Handle      Magnetic Plate      Closing Magnet

Find out more: [www.tectus-glass.com](http://www.tectus-glass.com)

# DSD

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## DSD Anti-Bandit Entrance Solutions

DSD Anti-Bandit Entrance product range provides clients with a truly outstanding ability to resist a repeated sledge hammer attack for up to a period of one minute.

The Anti-Bandit Entrance secures door leaves on the pivot edge utilising bespoke top and bottom locking pivots whilst the handle on the leading edge locks into the head & floor.

There is simply no substitute to the DSD range of Rapid Locking Handle & Key Operated Handle Locking, this product range has a very strong presence with Blue chip clients on the high street.





## DSD Armour Plate Glass Door Rails & Patch Fittings

DSD offers a full range of glass door rails for Automatic & Manual Entrances incorporating pivoting and sliding doors. Complementing the range is the DSD Child Safe Range of products, which is an exclusive product range that leads the way in protecting little fingers.

With the extensive in-house machining capability DSD offers clients both standard 76mm & 100mm door rails as well as bespoke door rail depths. Rail and clamp profiles can be machined to accommodate client specific connectors, straps and locking positions as well as varying glass thicknesses.

The DSD Top sliding door rail is manufactured with a non-slippage solution, offering clients a top sliding rail that is drilled through the glass and therefore removing the possibility of the glass slipping whilst in situ.

DSD has developed a new concept of door rail cover plates offering clients exciting texture finishes and colours to choose from.

For clients requiring curved door rails or bespoke rail depths DSD is the company to assist them with their requirements.



# VICAIMA ADD TO DANISH INSPIRED DESIGN ETHOS FOR CREST NICHOLSON

Vicaima's innovative and stylish interior door models have been selected to compliment a new concept in housing from Crest Nicholson, at their Hygge Park development in Keynsham near Bristol where the essence of Danish inspired design has been captured.

It may be hundreds of miles from its Nordic roots, but homes on Crest Nicholson's Hygge Park site embody a touch of Danish design perspective. Hygge, which means comfort, relaxing and wellbeing, in fact enjoying life's simple pleasures; is evident throughout this development. Innovative interior house layouts create bright and airy spaces, where open plan living and the clever use of glazing is used to maximise light. Contemporary design and designer fittings mark this development out as a new chapter for quality UK homes

Blending seamlessly with this modern and light theme are the Vicaima doors chosen by Crest as the perfect opening between selected room spaces. In keeping with Crest's forward approach to house design, they chose Vicaima Dekordor SD White Woodgrain interior doors. These doors have hard waring faces and a bright white factory finished face; that displays a discrete, but visible woodgrain appearance. To enhance the design even further, Crest selected a number of options from Vicaima's extensive customisation offering. These included the incorporation of two attractive satin inlays in a vertical pattern and, where additional light was required, a full-length glazed design.

Dekordor White Woodgrain is fast becoming the door of choice for modern housing schemes, offering as it does a twenty first century alternative to doors painted on site, with a durable and cost effective solution. Ideal when supplied simply as a door or as part of a complete doorset system, Dekordor white woodgrain is available in various core constructions and a range of dimensional variations.

White Woodgrain is just one in a wide selection of foil-faced finishes from the extensively specified, Vicaima Dekordor SD range. Popular for decades, Vicaima foils have recently been extended further, to include Visual Sensations. This second- generation foil collection provides trend-setting ideas with a whole host of new tones ranging from Pale Sand to the dark hues of Forest and Mountain and all available in either a vertical or cross-directional woodgrain designs.

As demonstrated in the choices made by Crest Nicholson, solid core interior doors from many of the Vicaima ranges can also be enhanced by including additional face embellishments, in the form of grooves and inlays. These simple but effective add-ons elevate door design to another level and present a real opportunity to realise a specific vision or design mood for any given project.



*Vicaima fully glazed white woodgrain doors*



*Hygge Park bedroom featuring Dekordor SD white woodgrain door*



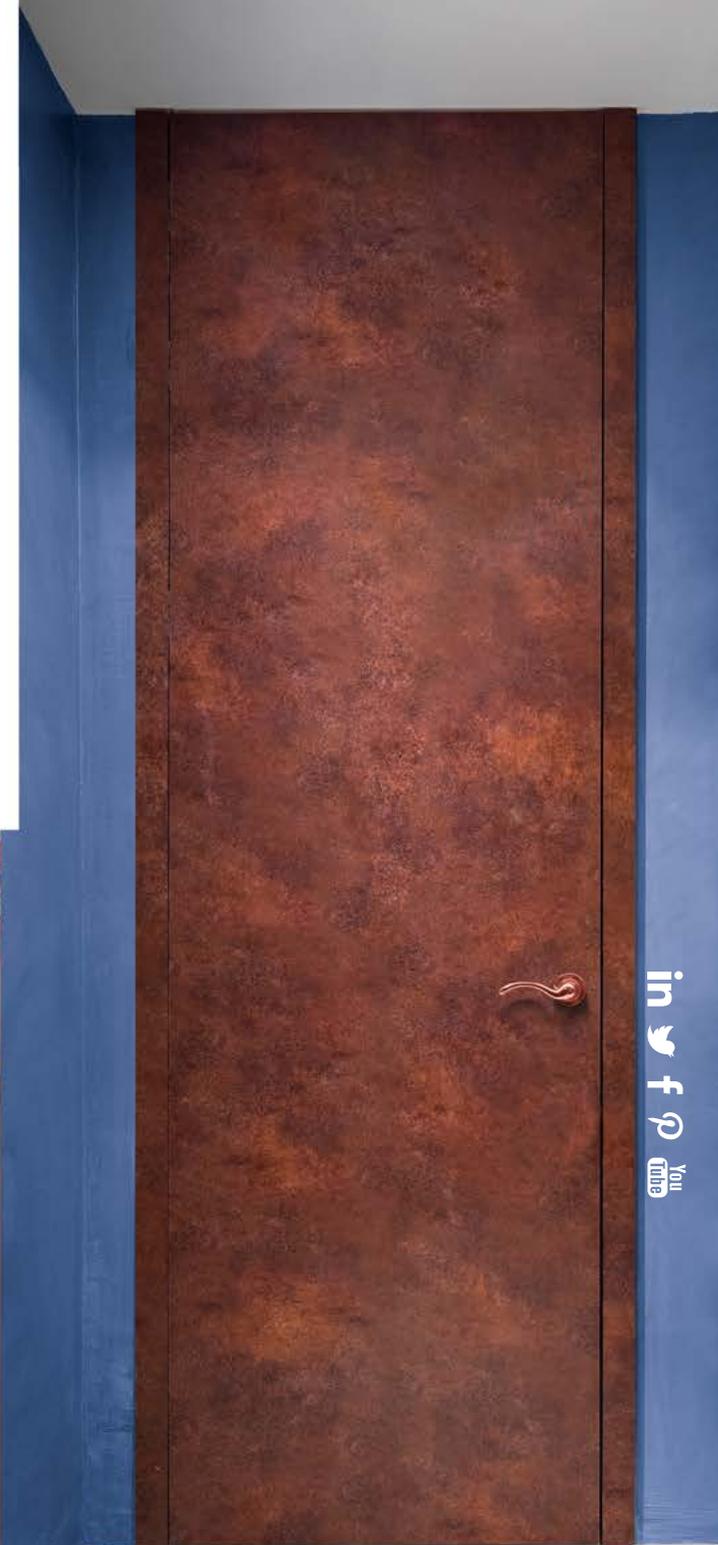
*Dekordor SD white woodgrain with satin inlays*

Vicaima offer an extensive range of innovative design and performance options, with fire, acoustic and security solutions for luxury housing and modern apartment living.

**For further details about these and other products from the many Vicaima collections, visit the Vicaima website [www.vicaima.com](http://www.vicaima.com) alternatively, call 01793 532333 for additional information.**

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# CATALANO

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Catalano, an Italian company based near Rome, was founded in 1967 in Civita Castellana by a team of expert ceramic technicians. Celebrating over 50 years in production, Catalano, a company rich in heritage, is a market leader in manufacturing and exporting ceramics, selling its ranges in over 100 countries. The company produces cutting edge ceramic collections in a its technically advanced, 170,000 square metre factory and then collections are hand finished by skilled craftsmen, giving ceramics an authentic finishing touch in true Italian tradition.

Catalano is globally renowned for producing the finest contemporary designs, made to the highest standards. A standard of excellence in terms of quality and respect for the environment, is built into every stage of the manufacturing process. Catalano's commitment to quality is highlighted in numerous worldwide projects and awards received in recognition of its achievements. Recent awards include the IF Design Award 2019 for the Ceramic Top, IF Design Award 2018 and Reddot Award 2018 for the new Zero collection and the German Design Award 2018 for the rimless Newflush® WC with Vortex flushing technology.

The signature Cataglaze treatment has a lifetime guarantee and is standard on all Catalano products. Cataglaze is blended at a high temperature with the ceramic itself so that it is an integral part of the product, giving Cataglaze the edge over many traditional glazes. Cataglaze ensures surfaces are easier to clean and more resistant to limescale, general dirt and aggressive chemicals. In addition to practical benefits for increased hygiene, Cataglaze sets Catalano ceramics apart aesthetically. Cataglaze gives ceramics a smooth finish and ensures surfaces stay brighter for longer for a stunning appearance.

Dedicated furniture solutions in on trend finishes are available for stylish bathroom storage. Units are available for small and larger



basins with 1 or 2 drawer options and can be combined with matching wall storage for a total look.

Catalano ceramics have gained notoriety due to a wide range of designs and sizes plus flexible installation options, all without compromising on looks and high quality. Catalano also offers colour matching for ceramics to harmonise with specific colour schemes. From simple solutions for public washrooms to personalised boutique settings, Catalano can meet the requirements to create beautiful bathrooms and washrooms.

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# CATALANO

THE ESSENCE OF CERAMICS



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# CENTRAL WORKING'S NEW CO-WORKING HUB **LAUNCHES AT ECCLESTON YARDS IN VICTORIA, LONDON**

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• CENTRAL WORKING VICTORIA

Leading shared workspace provider Central Working has launched a new co-working hub for innovation and enterprise within Grosvenor Britain & Ireland's new Eccleston Yards development, on the boundaries of Belgravia and Victoria in central London.

Central Working Victoria is the anchor tenant at Eccleston Yards, which brings together food, fashion, retail, co-working and wellbeing.

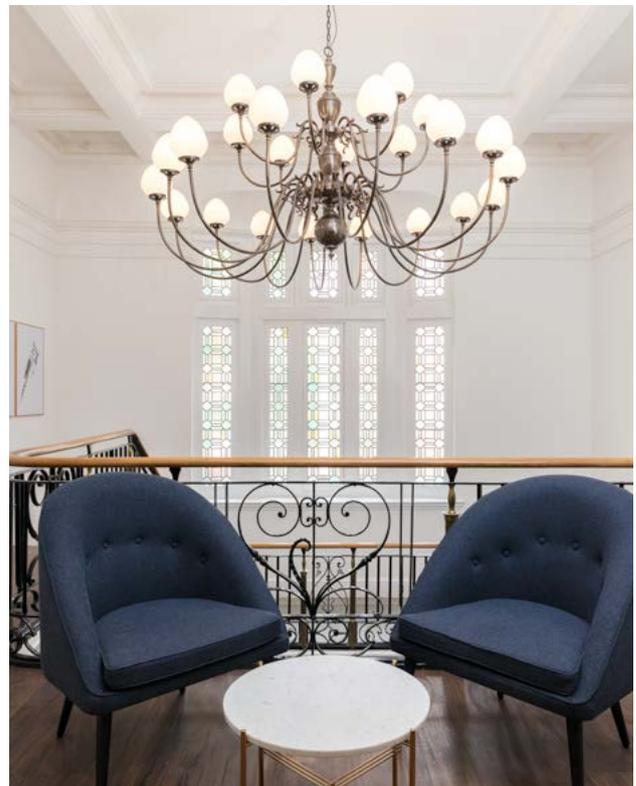
Central Working Victoria is designed to host over 500 entrepreneurs and businesses of all sizes, within a refurbished Victorian electrical substation. Designed by Kinnersley Kent Design, one of London and Dubai's most prestigious design studios, the new hub anticipates the needs of the modern startup community with an all-inclusive hospitality-first approach.

Catering for a group that rarely conforms to a nine-to-five routine, a chill out room is available to provide rest and relaxation, as well as a 70-seat auditorium to accommodate visiting lecturers from the tech and creative industries. Split across three levels, the flexible work areas include drop-in desks, private offices, phone booths for private calls, a members' lounge, and a variety of meeting spaces from formal boardrooms to more relaxed huddle rooms for stand-up meetings.

Central Working Victoria is one of the latest sites designed by Kinnersley Kent Design in partnership with Central Working. Other recently completed sites including Reading and Slough, with more coming soon. By following Central Working's design ethos to create spaces that accommodate modern businesses and promote collaborative communities, Kinnersley Kent Design deliver interiors identity that can flex across diverse locations with sensitivity to different buildings, whether they are new builds or refurbished, listed sites. By tailoring the design to each location, Kinnersley Kent Design creates designs that are unique to each site while also recognisably Central Working, with private offices that can be opened to the wider community with double strength doors, break-out spaces to encourage mixing between members and auditorium facilities that provide members with free-to-use venues for community events.

Jill Higgins, partner at Kinnersley Kent Design, said: "The design challenge was to create a creative strategy for Central Working's interiors, developing principles that can be applied and adapted to different locations. The aim was to create a sense of consistency while enabling each club to have a unique look and feel. The interiors identity is designed to work across a very diverse range of sites, offering the flexibility to reference each club's locality and specific building, whilst creating spaces that are identifiably Central Working. Alongside establishing a clear identity for the brand, the design also had to complement the wide range of different businesses and members. The result at Eccleston Yards is vibrant yet understated aesthetic with a strong sense of context and place, unique to Central Working."

Grant Powell, Managing Director at Central Working, commented: "We're proud to be supporting the growing business community in Belgravia through our collaborative new campus at Central Working Victoria. From day one, Kinnersley Kent Design recognised that our brand of design hinges on delivering spaces that accommodate the diverse needs of our members while encouraging a collaborative atmosphere. Kinnersley Kent Design were able to look at the design features that have become Central Working staples, such as flexible private office space that can be opened to the wider area to encourage collaboration, and matched this with an innovative approach to transform an old electricity substation into the idea community environment for the modern business."



**CENTRAL WORKING VICTORIA IS DESIGNED TO HOST OVER 500 ENTREPRENEURS AND BUSINESSES OF ALL SIZES, WITHIN A REFURBISHED VICTORIAN ELECTRICAL SUBSTATION.**

## KINNERSLEY KENT DESIGN'S CONCEPT FOR VICTORIA PUTS SOCIAL HOSPITALITY AT THE HEART OF THE EXPERIENCE

### CREATING A FLEXIBLE INTERIORS IDENTITY

Rather than create one concept to be replicated in every location, Kinnersley Kent Design developed a flexible, creative strategy for Central Working's interiors, grounded in spatial planning principles. This approach creates a sense of consistency across the clubs, even as the look and feel is tailored for each community.

At each location, space is divided into a range of flexible, functional and interesting work areas that encourage collaboration while providing varying levels of privacy. In place of the long corridors typically found in office buildings, Kinnersley Kent Design tailors the layout to create a wide variety of breakout areas, unexpected niches and 'hideaways'. This approach influences how members navigate and share space, creating plenty of opportunities for chance encounters as there is more than one way to get from A to B.

In line with Central Working's ethos, Kinnersley Kent Design's concept for Victoria puts social hospitality at the heart of the experience with a central members' lounge and kitchen. By planning the layout according to the overarching creative strategy, the designers housed the 500 desks required in a way that breaks up the vast space and creates interesting new sightlines throughout the building, introducing outdoor views and daylight from every angle.

Central Working Victoria is welcoming and creative, combining high-level service with a comfortable environment that feels more domestic than workplace. Its core colour palette is built around sophisticated shades of blue, ensuring a seamless feel across the old and new areas of the building without making the space too uniform. The colour palette varies in different rooms, from greens to greys alongside blues, helping to demark the different zones. Accents of yellows are peppered throughout, ranging from lemon to burnt ochre, adding personality and a stylishly eclectic feel.

The designers chose a considered mix of contemporary furniture and lighting. Hardworking office furniture appears alongside modern design classics, with key pieces from B&B Italia, HAY, Moroso, & Tradition, Gubi, Normann Copenhagen, Norr11, Muuto and Classicon.

### CELEBRATING THE BUILDING'S HERITAGE

Central Working Victoria's interior concept celebrates the original architectural features of the Victorian industrial building, highlighting architectural nuances by juxtaposing original features with modern interventions.

Prior to the redesign, most of the original features were hidden behind boards and layers of plaster. The designers took an educated guess on what lay behind the modern walls, bringing the heritage of the building to the fore in the concept, based on glimpses of original brickwork and arches in glazed metro tiles which are revealed to enhance the building's unique character.



The materials palette underscores the building's former industrial use as an electricity substation while adding a refined elegance. Materials include steel, light and dark timber, original bricks and off-white wall tiles, brass highlights, glass, and slim black metal-framed portals that emphasise transitions between the old and new parts of the building.

'Arcade B' wallpaper from Texturae's 'Warp' collection decorates feature walls with trompe-l'oeil arches, echoing the building's original arches.

The members' lounge at the heart of the building features a black and white checkerboard floor. Distinctive and hardwearing, its 'Victorian' tiles enhance the building's slightly quirky, individualistic feel.

STUDIOLAV, a London-based studio founded by Loukas Angelou and Vasso Asfi, collaborated with Kinnersley Kent Design and Central Working to style the interior with a 'Cabinet of Curiosities' feel, drawing from both the interiors concept and the Victorian era. The eclectic choice of artworks, plants and accessories reflects the intriguing and often eccentric collections amassed by affluent travellers during the Victorian period.

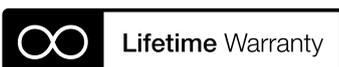
During the refurbishment a variety of items were excavated on site, including books, an old water tank, and even a teddy bear which had been hidden in the walls behind layers of plaster since the 1990s! The stylists created a 'Lost and Found' display wall on the first floor to showcase a mix of these 'excavated' discoveries combined with modern day curiosities, which are displayed in bell jars to create a playful museum aesthetic. The wall will be added to over time with modern-day lost items, continually growing Central Working Victoria's own unique story and personality.

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British loudspeaker designer, Monitor Audio, has a range of Custom Install speakers for every situation. Their ultra-discreet in-wall and in-ceiling speakers deliver a stunning audio performance whilst protecting the room's décor. For more extreme environments, such as outdoor terraces or pool rooms, they offer a choice of speaker ranges, all of which deliver Monitor Audio's award-winning sound.



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# PUMP HOUSE TO DISTRIBUTE IMPERIAL TOOLS

It is with great pleasure that we announce following the acquisition of Stride Tools by Diversitech in January 2019, the distribution and stocking of Imperial Tool will be transferred to Pump House from May 2019.

Advanced Engineering will cease to sell the Imperial brand at the end of April

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## RCM LAUNCHES RIBA ACCREDITED CPD

RCM are now offering a new RIBA approved CPD which covers a guide to specifying the components required when delivering a through wall solution; with a focus on fire rated solutions. Developed specifically with architects, specifiers, and developers in mind, participants will receive accredited certificates at the completion of the 40-minute presentation. RIBA is a global professional membership body driving excellence in architecture, with the ultimate aim to deliver better buildings and places as well as a sustainable environment.

As an accredited CPD provider, RCM has the expertise, experience, specialism and technical knowledge to deliver an insightful and up-to-date presentation. RCM's CPD consists of explaining the components of a through wall solution. Its teaching aims to show individual product performance, how to create your overall solution, how to create a through wall fire rated solution and creates awareness of product compatibility considerations.

**If you are interested in the RCM CPD presentation, please contact RCM direct T. 0800 612 4662, or email: [info@rcmltd.biz](mailto:info@rcmltd.biz)**







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# EV READY HOMES

Growing numbers of new housing developments in the UK are featuring Rolec WallPod EV (Electric Vehicle) charging units.

The Rolec WallPod, a versatile unit which has been designed to be compatible with all current PHEVs and EVs, has become the charger of choice in order to comply with, and cater for, EV charging requirements on home builds.

Rolec recently supplied units for a Keepmoat Development in Doncaster featuring 600+ houses - all fitted with the Rolec EV Ready Mode 2 charging unit, enabling the end-user to have the option to easily upgrade to a Mode 3 EV fast charger at a later date.

Rolec have also supplied EV charging points to Barrett Homes, Kier, Taylor Wimpey, Redrow Homes, Bloor Homes, Fairview Homes, Cala Homes, Elan Homes, Bellway Homes, Orbit Homes and Persimmon Homes for existing properties and new builds, in accordance with the Road to Zero Strategy launched by the Government last summer.

These major construction companies are just a few integrating Rolec EV charging points into their projects to help future proof their new build developments in order to meet greener commitments and modern day end user requirements.

## DID YOU KNOW?

Both of Rolec's WallPod:EV Ready (Mode 2) and WallPod:EV (Mode 3) charging units have the option to be cavity mounted.

These WallPod units are exactly the same size with identical fixing positions. The cavity mounted versions come equipped with a cavity bezel and bezel mounting bracket assembly.



For more information about the Rolec range of EV charging points contact Rolec on 01205 724754, email [rolec@rolecserv.co.uk](mailto:rolec@rolecserv.co.uk) or go to [www.rolecserv.com](http://www.rolecserv.com)



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## CELEBRATING 25 YEARS OF EXCELLENCE IN THE UK

Construction connector manufacturer Simpson Strong-Tie is celebrating 25 years in the UK, helping people build safer, stronger homes and structures. Simpson launched its European operations from well-established beginnings in America, where founder Barclay Simpson created his first joist hanger back in 1956.



In 1998 a purpose-built manufacturing facility and head office opened in Tamworth, and subsequent acquisitions in the UK, Germany, France and Denmark have established Simpson as a European industry leader.

In 2009 Simpson's UKAS accredited European Testing Laboratory opened, which now conducts over 10,000 product tests annually.

Managing Director Malcolm Paulson says, "We believe that if we invest in our people our customers will reap the benefits. In my 14 years in role, I've seen the business grow and flourish.

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## HEALING ACOUSTICS

According to healing design principles, superior acoustics in hospitals are recognised as one of the most important factors in their design.

This is being proved in an innovative temporary patient room for a major new hospital being built in Copenhagen. Bispebjerg hospital is an ultramodern psychiatric project covering 22,500sqm which includes an emergency admission unit and provides 200 rooms for patients. The study focuses on creating a stress-free environment where patients feel secure and at peace.

In this room, the lighting is a combination of natural daylight and dynamic LED lighting that is specially adapted to suit the circadian rhythm. Good acoustics are ensured by light coloured Troldekt ceiling panels in a fine finish, while the walls have been clad with acoustic oak slats which provide natural ventilation with more fresh air and reduced solar gain in the summer months.

Apart from new projects, good acoustics are equally important in existing buildings being given a change of use. For example, the former post office in Hvidovre, also near Copenhagen, has been converted into a modern healthcare centre which has a welcoming feel and excellent rehabilitation facilities.

Here the architects have struck a fine balance between refined and more rustic materials. For example, on the ground floor, high ceilinged rooms that used to be the former post office storerooms have Troldekt acoustic ceiling panels installed throughout to ensure good acoustics.



Specified throughout the UK and Europe, the benefits of 100% Troldekt natural wood wool panels include high sound absorption, high durability, natural breathability, low cost life cycle performance and sustainability as documented by Cradle to Cradle certification at silver level.

The panels are also specified to improve acoustics in many different projects, such as schools, leisure centres, pools, commercial, private and public buildings. Available in various sizes and in four grades from extreme fine to coarse, they can be left untreated or painted in virtually any RAL colour.

**Samples, case studies and technical information are easily sourced from tel 01978 664255 or visit [www.troldekt.co.uk](http://www.troldekt.co.uk). More information around the theme of Healing Architecture theme can be found on [www.troldekt.com/News/Themes/Healing\\_architecture](http://www.troldekt.com/News/Themes/Healing_architecture)**

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Milbank Concrete Products, one of the UK's leading designers and manufacturers of precast concrete solutions, would like to introduce **Kallisto Stairs** – a new concept in the UK for precast concrete curved stair design.



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# 2,000 WORKSPACES AVAILABLE FOR LEASE AT **EDWARD STREET** **QUARTER DEVELOPMENT**

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EDWARD STREET

2,000 workspaces have been made available to lease in the largest commercial development in central Brighton in the last 25 years, Edward Street Quarter. The 150,000 sq ft commercial element due to be on site this year will include 110,000 sq ft of office space.

Edward Street Quarter is the £120 million redevelopment of the former AMEX House in Brighton.

Designed by BuckleyGreyYeoman, Edward Street Quarter is inspired by Brighton's eclectic street scene and will introduce a new high-quality public realm, with three new public spaces created by renowned landscape designers Spacehub.

Mixed-use developer First Base and Patron Capital have announced the appointment of Cushman & Wakefield, CF Commercial and SHW as agents for the development.

Cushman & Wakefield and SHW have been appointed as office agents for the scheme, which will deliver 110,000 sq ft of flexible space for Brighton's burgeoning media and creative sectors and wider corporate community, making it the largest provision of workspace to be delivered in the city since 1993.

SHW and CF Commercial will lead on the marketing of 39,000 sqft targeting food and beverage, gyms, cinemas and retail units.

Edward Street Quarter will also comprise 168 new homes, comprising a mix of private and affordable units to meet local demand.

Demolition of AMEX House is complete, with construction set to commence in summer 2019.

Steve Eccles, Project Director at First Base, commented: "The growth of Brighton's creative sector has been frustrated by a shortage of quality workspace, so we anticipate strong demand for the space we are delivering at Edward Street Quarter. We look forward to working with our agents to create an exciting mix of businesses, cafes and restaurants at this new neighbourhood in central Brighton."

Gavin Stewart, Executive Director, Brighton and Hove Economic Partnership, said: "It's no secret that Brighton and Hove is in desperate need of additional housing as well as Grade A office space to support many of the 16,000 businesses that exist in the city. This development delivers just that along with a range of additional enhancements that will support the local community to the East of Brighton for generations to come."

**For more information, please visit [edwardstreetquarter.com](http://edwardstreetquarter.com).**



**EDWARD STREET QUARTER WILL ALSO COMPRISE 168 NEW HOMES, COMPRISING A MIX OF PRIVATE AND AFFORDABLE UNITS TO MEET LOCAL DEMAND.**

# THE ADVANTAGES OF IOT MONITORING TECHNOLOGY ARE FULLY DETAILED ON LINKTHRU.COM

Cistermiser's new website dedicated to IoT water temperature and flow monitoring [www.linkthru.com](http://www.linkthru.com) provides full details on the many practical advantages that are delivered by this innovative use of technology.



Over 35 years of service to the UK construction industry, the Cistermiser name has become synonymous with proven and reliable products that control water outlets in commercial washroom environments, as well as Combimate limescale prevention devices for domestic applications. Now the company's latest product introduction, LinkThru TMU, sees the Cistermiser brand enter new market sectors with practical and compelling solutions for NHS Estates, University Engineering and Facilities Management professionals.

Linkthru.com is designed to provide a full briefing on the benefits of installing LinkThru TMU (Temperature Monitoring Unit) hardware at selected sentinel points across a building's water system, to capture and then access 24/7 remote monitoring data on water temperatures and flow events via a secure cloud-based portal.

[www.linkthru.com](http://www.linkthru.com)

# TTA AWARDS NIGHT - A GREAT SUCCESS

At the annual TTA Awards the tiling industry rolled out the red carpet in style to recognise and celebrate the top achievers in our sector, making this year's Awards night one of the most memorable ever. Kyran Bracken MBE was host for the first time.



The spotlight was firmly on the Award winners and TTA would once again like to congratulate all the winners and finalists, who are a credit to the industry.

This year the TTA Awards benefitted from a record number of Gold sponsors, whose contributions made the event possible. They were Banks & Lloyd, Jackoboard, Mapei, Norcros Adhesives, Shackerley (Holdings) Group Ltd., Tilemaster Adhesives, Topps Tiles, Trimline Group, UltraTileFix, Walls and Floors, Warmup.

The Tiling Show, also organised by TTA, which ran earlier in the day at the same venue, has now firmly established itself in its second year as a must-attend event for the sector. The Show attracted 32 exhibitors and proved to be an essential day out for fixers, retailers and others from the tiling industry. IntCeram were the main sponsor of the Tiling Show.

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It really is such a simple screw that does a lot more. Buy on line at [Screwshop.co.uk](http://Screwshop.co.uk), you'll also find a wide range of fastener finishes, including zinc, electro brass, black, chrome, satin chrome, bronze and nickel. Packaging options are available too.

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# PROMAP V2 LAUNCHES FREE INTERACTIVE VIEWABLE DATA LAYERS

Landmark Information has launched interactive data layers on the brand new Promap v2, for free. As part of a significant investment in its digital mapping and data platform, the free viewable data layers provide architects with the ability to instantly view flood risk data, commercial ownership information and land use designation data on top of a mapped view.

Architects can now view Flood Zone 2, Flood Zone 3 and Surface Water flooding data from the Environment Agency and Natural Resources Wales, covering a 500-metre area, on a mapped views. Multiple return periods are available to determine low, medium or high risk relating to surface water flooding. This provides an early-warning-system as to whether a full Flood Risk Assessment is required.

The Corporate Ownership Data provides freehold or leasehold data, owners' name and address and the site's title number, within a 100-metre zone on OS MasterMap, while the Land Use Designations means architects benefit from simplified access to land use and local plan data, within a 500-metre area, as a standardised free map layer.



Chris Loaring at Landmark Information said: "The future of digital mapping is now: users can view a wide range of location data, for free, on Promap v2. The interactive viewable data layers supports our customers in accessing more than just maps from Promap; instead the data layers will help their due diligence, planning applications and overall project planning, and can be viewed free of charge."

To try Promap v2, [www.promap.co.uk](http://www.promap.co.uk)

For further information contact [customerservice@promap.co.uk](mailto:customerservice@promap.co.uk) or call 0844 844 9960.

## LIMEWASH ALTERNATIVES FOR MEDIEVAL HALL HOUSE

A Grade 2 listed north Devon home has been given a contemporary look thanks to its redecoration with Earthborn paints. The late medieval hall house features particularly ornate plasterwork.



Owner Simon Clarke said:

"The house is built of cob, a clay soil based building material, and the walls are lime plastered. In order to prevent damage caused by moisture build up in the walls I needed breathable paints, but I didn't want to use limewash again. I wanted a wider colour palette and paints that would last much longer."

Simon selected Earthborn paints which can be applied straight over limewash: the Ecopro Silicate Masonry System for outside and Claypaint inside.

The Ecopro Silicate Masonry System bonds with underlying materials to create a durable, water and weather resistant barrier. It offers the same high levels of breathability as limewash but is easier to use and lasts much longer. Ideal for stone, brick, concrete, render or cob, it has 24 colours that will not yellow with time.

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The Loud & Clear consultants start every project with an in-depth design consultation and then prepare a detailed specification covering the technical aspects of the project (screen, projector, amplifier, loudspeakers and cabling). They then suggest mood lighting, acoustic treatments and control systems to perfectly match the space and the user's needs. They can also advise on the aesthetics of the room – providing guidance on fabrics, furnishings and colour schemes.

Loud & Clear treat every project as if it was for their own home and only recommend class-leading products. With a complete stock of high-end turntables, amplifiers, streamers, hi-fi speakers, invisible speakers, electric blinds, 4k projectors, Atmos sound systems, lighting controls, acoustic treatments and control systems, they have a product for every need.

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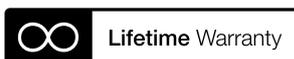
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## **/ Innova help create a 'home-from-home' hospice**

Innova Care Concepts has recently signed off on work at St Andrew's Hospice in Airdrie after installing overhead hoists, bespoke fitted furniture, Integralifts, loose furniture and much more.

Working with JDDK Architects on the project, Innova was chosen to work on the refurbishment thanks to its subtle and homely equipment range. The company went the extra mile to create completely customised wardrobes and hidden hoists systems in the hospice's chosen woods and colours.

St Andrew's was commended by NHS Scotland for its 'home-from-home' feel and cosy décor.

Innova supplied a total of 28 Integralift hidden hoists, 30 bespoke bedhead systems, 30 bedside cabinets, 105 made-to-measure wardrobes, three X-Y hoist systems, and various chairs, tables, and soft furnishings.



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# GPAD COMPLETES STYLISH OLD STREET OFFICE REDEVELOPMENT IN FORMER GRAMOPHONE FACTORY

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: GPAD

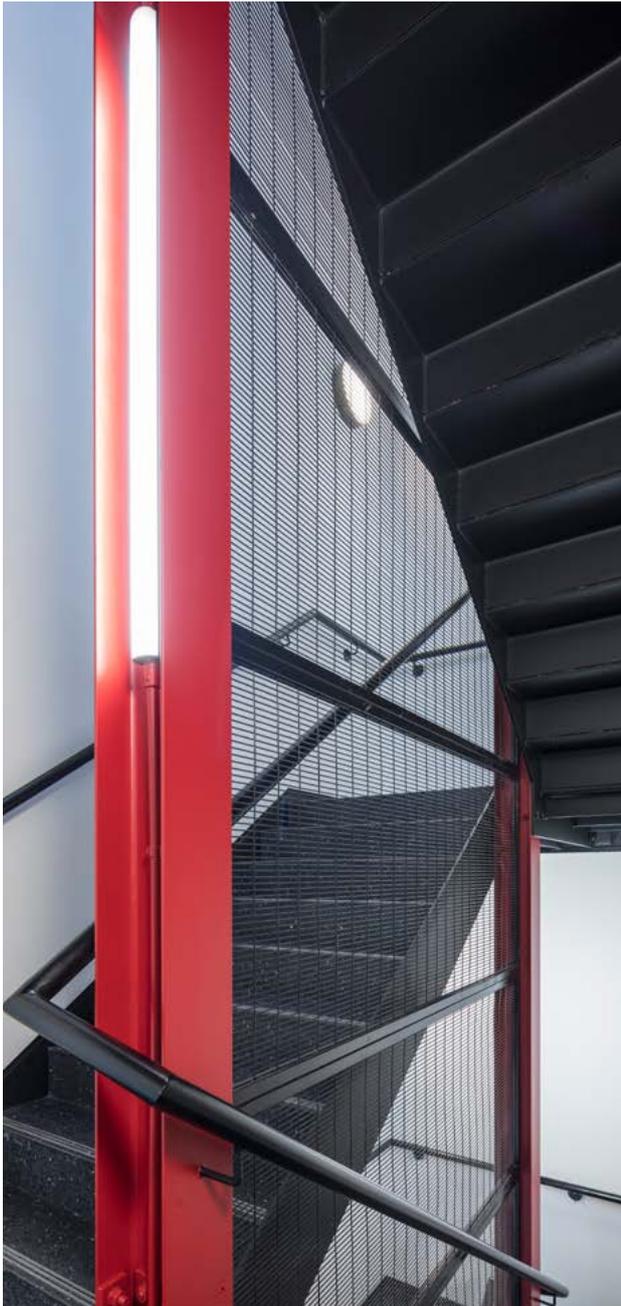
Award-winning architect and interior design practice gpad london ltd has completed Stylus, a high-end office redevelopment in the St. Luke's Conservation Area in Old Street. Dating from 1886, the façade is the only original feature retained. The 37,000 sq. ft. of new floorspace responds to demand for contemporary office space in Silicon roundabout.

Echoing the building's origins as a Victorian gramophone factory, the entrance includes 'The Dream Machine', a custom-made, steampunk-inspired reception desk. Designed alongside Mamou-Mani Architects, it consists of 3D-printed glowing flutes attached to the salvaged goods lift motor.

The entrance and lower floors create a sense of space and set the tone for the rest of the building, which remains sympathetic to its industrial past. Exposed services and black steel beams throughout act as a nod to the building's history, while the otherwise neat, contemporary style caters for the

tech and media companies which are highly concentrated in the area and require flexible working space. Terrazzo floors flow seamlessly throughout the building creating a unified, elegant look.

Large areas of glazing maximise the amount of daylight flowing into the interior. On the west elevation, powder-coated Crittall-style windows emulate the original fixtures. Brick was used as a key material to respect the surroundings and the 19th century façade. Protruding patterns and a mixture of different colour bricks add detail and texture.



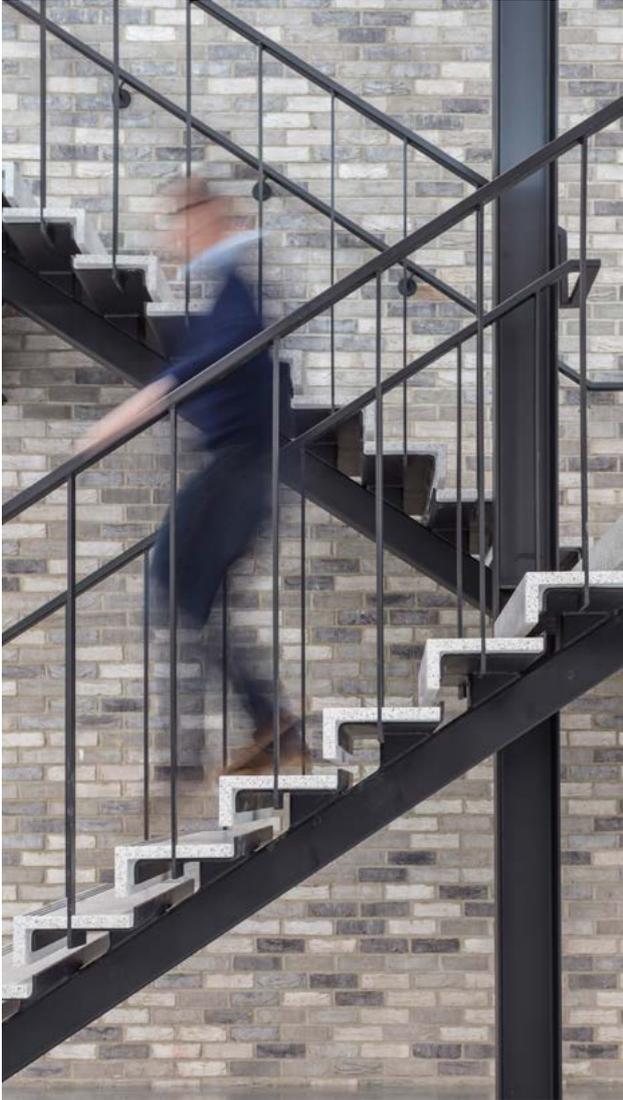
THE ENTRANCE AND LOWER FLOORS  
CREATE A SENSE OF SPACE AND SET THE  
TONE FOR THE REST OF THE BUILDING



## A NEW FOURTH FLOOR INCLUDES A GREEN ROOF WITH VIEWS OVER THE VIBRANT AREA

Maximising the floorspace was key and Stylus now comprises of six floors of column free B1 office space. A new fourth floor includes a green roof with views over the vibrant area. Living walls both on the basement floor courtyard and roof terrace create a link to the large amount of green spaces within close proximity and make for pleasant breakout spaces for office workers. Improved amenities in the basement include cycle storage, lockers, showers and changing facilities, provided in line with BCO and council requirements.





Architect Graeme Winestone says: "This project came about because the client was really interested in the building. The challenge was how to bring it back to life for the busy media and tech community in Old Street, while still respecting the building's Victorian past. We had the opportunity to put a real creative twist on it. The anachronistic feel of steampunk presented itself as the perfect way to connect the two eras."

#### **KEY FACTS**

Location: 112-116 Old Street

Type of project:

Extension & Refurbishment

Client:

Coastview Estates Ltd

Architect:

gpad london ltd

Property Agent

Colliers International & JLL

Project Manager:

RFM

Planning consultant:

Planning Sense

Structural engineer:

GDC Partnership

Quantity surveyor:

RFM

Main contractor:

Construction Management

Start on site date:

February 2017

Completion date:

November 2018

Contract duration:

18 months

Gross internal floor area:

37,000 sq. ft.

[www.gpadlondonltd.com](http://www.gpadlondonltd.com)



# LEARN HOW TO MAKE TILE AND STONE INSTALLATIONS LAST

Tile and stone are not only beautiful, but also incredibly practical covering materials to choose for your architectural projects. Schlüter-Systems has been providing solutions to protect and finish tile and stone since 1966, with its UK offices opening in 1993. This global market-leader's breadth of experience is now matched by a variety of learning resources for specifiers in the UK and Ireland – from RIBA Approved CPDs through to Lunch and Learns, educational spaces and even virtual reality (VR).

## 1) SIT-DOWN SEMINARS AND SESSIONS

Schlüter-Systems Ltd's learning programme provides two different options for architects and specifiers, to suit their needs and priorities.

### RIBA Approved CPD Seminars

45-60 minutes long, these seminars each focus on a key application area for the tile and stone industry:



#### Specifying Integrated Waterproofing and Wetroom Systems

Discusses how you can achieve a watertight foundation for tile and stone that will not only protect an installation, but also the wider project as a whole.



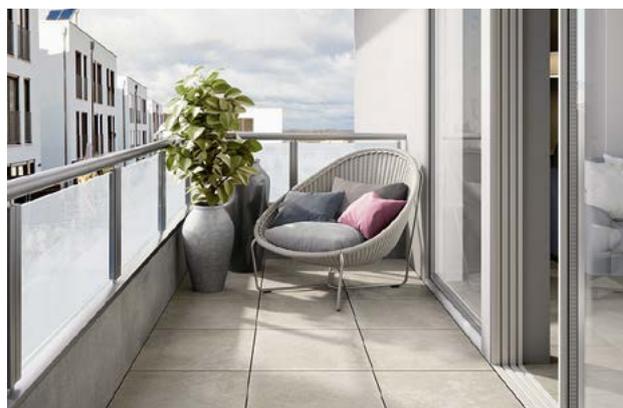
#### Specifying Integrated Underfloor Heating Systems

Focuses on the modern advances made in this popular arena, discussing hydronic and electric technologies and their capabilities.



#### Specifying Solutions for Crack-Free Tile and Stone Coverings

Covers the recommendations and essential considerations in specifying problem-free coverings that last.



#### Specifying External Applications with Tile and Stone

Explores how to counteract the stresses of the environment and achieve functional assemblies.

### Lunch and Learn Sessions

20-30 minutes long, these highly-focused sessions have been crafted to home in on different products within Schlüter-Systems' portfolio:

#### Schlüter-PROFILES for Walls

- Wall corners and edge profiles

#### Schlüter-PROFILES for Floors

- Edge profiles for floor coverings

#### Schlüter-JOLLY

- Contemporary discreet wall profiles

#### Schlüter-TRENDLINE

- Textured tones for wall profiles

#### Schlüter-TREP

- Stair nosing profiles for tile and stone

#### Schlüter Drain Grates and Shelves

- Blend, accent or contrast with tile and fixtures

#### Schlüter Finishes to Work in Harmony

- Designer drain grates and shelves

#### Schlüter-LIPROTEC

- Illuminated profile technology

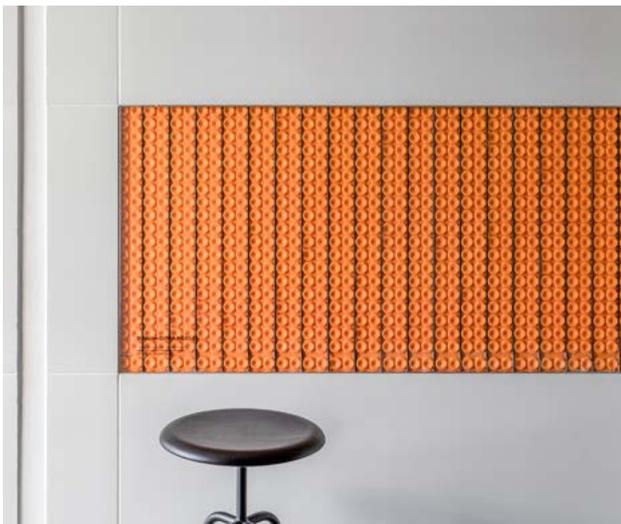
#### Schlüter-DILEX Movement Joints

- Movement joints to complement tile and stone

N.B. Schlüter-Systems Ltd's RIBA Approved CPDs and Lunch and Learns are all inclusive of lunch for attendees.

## 2) EDUCATIONAL SPACES

Schlüter-Systems Ltd has a couple of showrooms that architects and specifiers can visit to put its products in context and spark ideas:



### London: 49 Leather Lane

A collaborative showroom between Pentagon Tiles, Schlüter-Systems Ltd and Ardex, 49 Leather Lane incorporates an exhibition space with tactile samples, a fully functioning wetroom and meeting rooms, as well as inspiration abound.



### Leicestershire: The Application Gallery

The Application Gallery is a key attraction at the head offices of Schlüter-Systems Ltd, showcasing where and how its products are used and the designs possible with tile and stone in the modern living and leisure environment.

## 3) VIRTUAL REALITY

### Take our 360 VR Tour

Schlüter-Systems Ltd's Google 360 Tour with VR functionality offers a more interactive way to understand the company's products. From the comfort of your own chair, you can tour their headquarters, which are packed full of examples of their products in situ.

To explore now, or request a Google Cardboard headset, visit [www.exploreschluter.co.uk](http://www.exploreschluter.co.uk).



**Are you interested in finding out more about Schlüter-Systems Ltd's learning resources and how they can help you to achieve better installations of tile and stone? Call 01530 813396, email [specifiers@schluter.co.uk](mailto:specifiers@schluter.co.uk) or visit [www.schluterspecifier.co.uk](http://www.schluterspecifier.co.uk).**

# BE WELL AT CLERKENWELL DESIGN WEEK

Clerkenwell is an area of London famed for its high concentration of design houses, architecture practices and creative businesses, making it one of the most important design hubs in the world. It's also an area framed by a thirst for history from family research enthusiasts and sociologists, and visitors to ancient buildings and architecture such as St. John's Gate, dating back to 1504. To celebrate this rich and diverse community, Clerkenwell Design Week was created to showcase leading UK and international brands and companies in a series of showroom events, exhibitions and special indoor and outdoor installations that take place across the area. The event runs every year in May, and this year, Joseph Ash Galvanizing is proud and excited to be taking part.

Alongside partners Haines Watts, WR-AP Architecture, John Cullen Lighting, Lionweld Kennedy and Berry Systems, Joseph Ash Galvanizing is involved in a project to construct a stunning pavilion shaped installation in the middle of St. John's Square that visitors to Clerkenwell Design Week can see, touch, walk through and interact with.

The 9 x 3 x 4m installation made from galvanised steel is called 'BE, Well' and is described by WR-AP Architecture as follows: "BE, Well' will take you on an evocative journey where you will experience how architecture, light and materials have an effect on the human mind. Envisaged as a platform to showcase the inherent performance and aesthetic qualities of galvanised steel via an experimental composition of utilitarian building products and curated architecture, you will firstly interact with a fine filigree of elements that will shine and refract with the everchanging sunlight. You will progress to a more enclosed construction where you will be able to connect and touch the materials as you move through the installation. The pavilion concludes with a more formal portico inspired by the adjacent St. Johns Gate housing a new Clerkenwell 'Well', where we invite you to galvanise and share your thoughts about the show, issues in the design and architectural sector and leave these in our wishing well for the future."

## THE PARTNERSHIP

Haines Watts London, a top UK accounting firm, is sponsoring the project. With decades long experience of working with some of the UK's most prestigious architecture firms, they wanted to share their support for the architecture industry by sponsoring an up-and-coming young architecture practice to design the installation. They chose WR-AP Architecture as the designers, a young London-based practice set up by Sean Weston and Max Rengifo in 2018, which specialises in creating beautiful buildings with delightful, memorable and enjoyable experiences for their clients and the environment.

As the installation will be made from steel, Joseph Ash Galvanizing will be protecting the metal using a batch hot dip galvanizing process from one of our plants.

Joseph Ash Galvanizing is part of Hill & Smith Holdings PLC. Two other companies within the Hill & Smith group – Berry Systems

(Image provided by WR-AP Architecture.)



and Lionweld Kennedy – also make up the partnership. Berry Systems will be fabricating the steel, and Lionweld Kennedy will be fabricating the mesh grating, which is part of WR-AP's stunning design.

The final company in the collaboration is John Cullen Lighting, the award-winning lighting specialist, who will be enhancing the installation with a variety of lighting techniques.

Alex Shall from Haines Watts said: "We're extremely excited to be part of Clerkenwell Design Week as we like to share our support for the architectural sector. We have been supporting architecture practices with their accounting, both big and small for decades and are known as industry specialists. Our core proposition is to work with individuals who are running practices and help them understand the commercial aspects of doing so. The commerciality of running an architectural practice is key to its success and the 'BE, Well' installation is going to illustrate this."

## DATE AND LOCATION

Clerkenwell Design Week (currently in its 10th year) will run from 21-23 May 2019 throughout the wider Clerkenwell area. It will stretch from Farringdon to Barbican, taking in streets such as Clerkenwell Close, St. John's Square, Northampton Road and Charterhouse Street (to name a few).

Entry to the various exhibitions and installations is free to the public. In 2018 the event attracted over 34,000 visitors and 300 exhibiting brands.

## JOSEPH ASH GALVANIZING AND UK CONSTRUCTION WEEK 2019

Joseph Ash Galvanizing will also be exhibiting at UKCW in October 2019. Visitors to the show will be able to talk to Joseph Ash Galvanizing team members about the 'BE, Well' installation, as well as see some of the beautiful galvanised steel panels, which will be re-used as part of the Joseph Ash exhibition stand.



#galvanizingtheuk

# Your steel. Your choice of finish.

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With eight strategically located plants, a large transport fleet, and superior metal finishing services, Joseph Ash Galvanizing is proud to provide technical expertise, premium quality, and a first class service when it comes to shot blasting, galvanizing and powder coating steel fabrications.

Joseph Ash Galvanizing supports the British Constructional Steelwork Association, is a sponsor of Steel for Life, and a member of the Galvanizers Association.

**GALVANIZERS  
ASSOCIATION**



Proud supporters of Clerkenwell Design Week

**CLERKENWELL  
DESIGN WEEK**

21-23 MAY 2019

**Contact us today:**

Joseph Ash Ltd  
The Alcora Building 2  
Mucklow Hill  
Halesowen, B62 8DG

+44 (0)121 504 2573  
sales@josephash.co.uk  
www.josephash.co.uk





# SLEEK MAKEOVER FOR CROYDON'S **MODERNIST** LEON HOUSE

: FI REAL ESTATE MANAGEMENT



Located in the heart of Croydon, Leon House is one of the UK's finest examples of 20th century modernist architecture, and its conversion into 263 spacious, light-filled one and two bedroom apartments is now appealing to young city dwellers.

Managed by FI Real Estate Management, the new look building is designed to offer a perfect work-life balance to residents, with the private dining room and Sky Garden complemented by co-working space and meeting room availability.

Originally designed and occupied as an office block, the commercial use of the site can be dated back to an 1870 OS map showing it was a brewery with associated agriculture land. Nalder & Collyer closed the brewery in 1936 and the site went on to become used for industrial businesses with the establishment of dye, confectionary and metal works factories.

By 1960, the site had been cleared to make way for Leon House, the iconic modernist office building designed by architects Tribich, Liefer & Starkin. An extensive piece of artwork by renowned post-war sculptor and artist, William Mitchell, was commissioned as part of the building's fabric. The unlisted artwork was uncovered when work began on refurbishing the former office block, where it had been hidden for over a decade. The extensive relief design in concrete takes its form on the building's principal structural column and now takes pride of place in the reception lobby, on each of the 20 floors and the entire stairwell.

Following the refurbishment works, Leon House now truly reaps the benefit of its central location. The spacious rooftop terrace features stunning 360° views of the Croydon skyline, and the spectacular views can also be experienced from the apartment and the comfort of the bedroom thanks to the inclusion of floor to ceiling windows.

Eggshell colouring and subtle matt finish on the walls create an understated, luxurious feel to every room, with the soft, cut pile carpets in the bedroom making every step feel effortless. Designed to the highest specification: from the sleek designed open plan kitchen/living area to the bespoke vanity units and walk-in wardrobes, each home is urban living at its best.

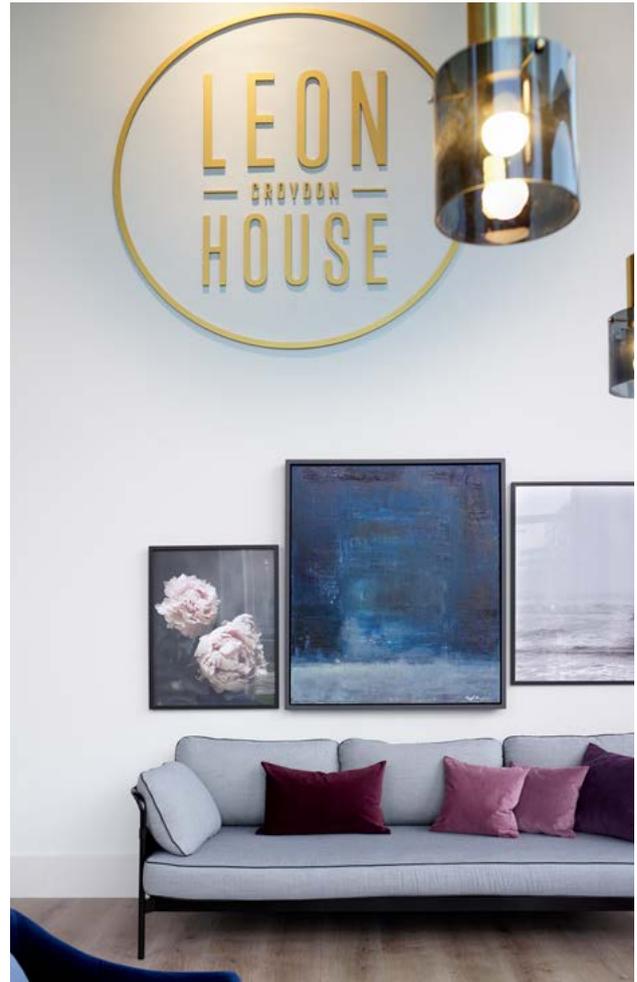
Prices range from £348,000 for the one-bedroom apartments and from £438,000 for the two-bedroom apartments and are available with the government's Help To Buy initiative.

A spokesperson from FI Real Estate Management said: "Leon House has been a part of Croydon's skyline for over 50 years. Its iconic status has stood the test of time and it has been an honour to be part of its conservation and restoration.

"Being able to utilise Permitted Development Rights (PDR) helped us to breathe new life into Leon House. We recognised the unique opportunity to convert the former offices into desirable homes, but wanted to do this in a manner that was befitting of its heritage and sympathetic in its design.

"With the new retail, dining and office developments opening nearby and the excellent transport links to central London and the South East, Croydon is continuing on through an exciting transformation process. We are proud that Leon House has bolstered its position as the heart of this up and coming area."

[fi-rem.com](http://fi-rem.com)



**FOLLOWING THE REFURBISHMENT WORKS, LEON HOUSE NOW TRULY REAPS THE BENEFIT OF ITS CENTRAL LOCATION.**



# GLASS GOES BIG AT FIT SHOW 2019

## ⋮ FIT SHOW

Visit Glass, the dedicated flat glass showcase set to debut at FIT Show 2019, has seen a number of high profile brands sign up to exhibit at the NEC this May (21st to 23rd).

The lineup has grown considerably in recent months to include the likes of Lisec, GGR Group, Flat Glass Solutions, Edgetech and Saint-Gobain. Visitors can expect an impressive display of the latest processing machinery, products and equipment.

Experts from a number of Visit Glass' exhibiting brands are scheduled to deliver key notes as part of the main FIT Show learning programme. Topics that will be covered include 'the evolution of glass', 'flat glass technology', 'automation', 'pushing the boundaries of glass design to meet creative trends in large scale commercial architecture', as well as 'the comfort and health benefits of glass'.





# WORLD CLASS INNOVATIONS INDUSTRY LEADING PRODUCTS CUTTING EDGE TECHNOLOGIES

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## DOORS

Discover the latest innovations from the world's leading door brands and contact suppliers in your industry.



## WINDOW SYSTEMS

Get ahead on high performance window and framing systems of 2019, including the very latest in aluminium technology.



## VISIT GLASS

New and exclusive feature showcasing the very latest in the glass, glazing and flat glass sectors.

## NEC BIRMINGHAM 21-23 MAY 2019

The #1 UK event for the Glass, Glazing and Installation Industries

Discover and access the latest products and stay at the forefront of your sector whilst making incredible business connections at FIT SHOW 2019.

Your competitors will be there, can you afford not to be?

**FREE TO ATTEND, REGISTER AT: [fitshow-visitor.reg.buzz/am4](http://fitshow-visitor.reg.buzz/am4)**



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# TOUCH

## IRONMONGERY LTD

[www.atouchofbrass.co.uk](http://www.atouchofbrass.co.uk)

210 Fulham Road, Chelsea London SW10 9PJ

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## THE PERFECT TOUCH

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**E**stablished in October 1982, Touch Ironmongery is one of London's leading ironmongers. Originally called "A Touch of Brass", the firm changed their name in 2003 in reaction to slowly advancing market changes in architectural ironmongery which is no longer supplied solely in brass, and to also reflect the broader range of products and finishes that they sell.

In fact today, Touch can supply a wide range of finishes including Brass, Satin Brass, Polished Chrome, Satin Chrome, Polished Nickel, Satin Nickel, Copper, Bronze -solid and plated, BMA, Antique Brass, Black, Pewter, Ceramic, Leather, Stainless Steel, Satin Stainless Steel, Gun Metal, and the list keeps growing. Whatever finish you require, Touch can help you get the right look.

Touch occupy their recently refurbished showroom at 210 Fulham Road, Chelsea, where they display a vast range of their 5,000 products. With a customer base including Interior Designers, Builders and individuals who are interested in the top end of the

Ironmongery market, Touch mainly supply to residential premises but hotel and office properties also contribute to their vast clientele.

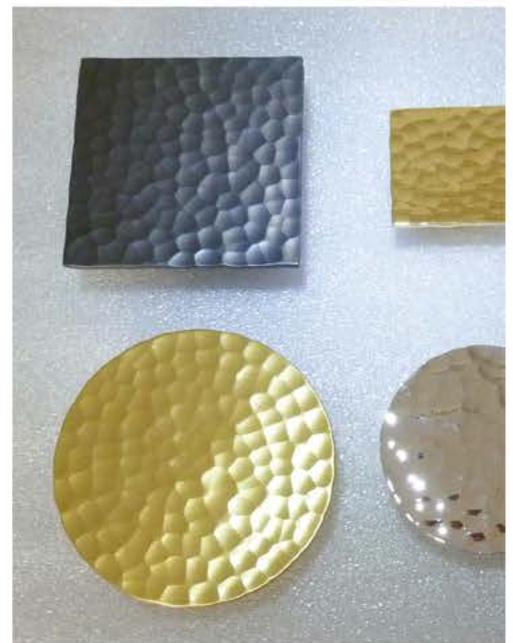
The company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas. Touch's owner and founder, Bill Benham, has 33 years' experience in the ironmongery trade, as do his colleagues Jim Haselup and Alan Blanchard. Saleem Qureshi is the newest member of our team and has 10 years' experience, meaning their knowledge is unrivalled in this industry.

The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), art deco and contemporary pieces also make up the product ranges. In addition, Touch showcases the very best of British manufacturing; the best ranges are still produced in the Midlands by craftsmen in factories dating back 200 years or more. Touch also sell European manufactured goods

which is considered to be of a very good quality and in recent years they have introduced some of the far eastern made products, albeit in a limited range but cost effective. With trends continuously evolving, new innovative products are constantly under development. Touch understand that keeping up with the fashion-shifts is imperative in order to provide every customer with the best solution for their requirements.

Ironmongery can be a difficult and complicated aspect of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying any items that can be refurbished. Refurbishment is a large part of the business; Touch will undertake complete ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as new, at a fraction of the cost to replace.

**For more information about Touch Ironmongery or to arrange a showroom visit please call 0207 351 2255 or alternatively visit [www.atouchofbrass.co.uk](http://www.atouchofbrass.co.uk)**



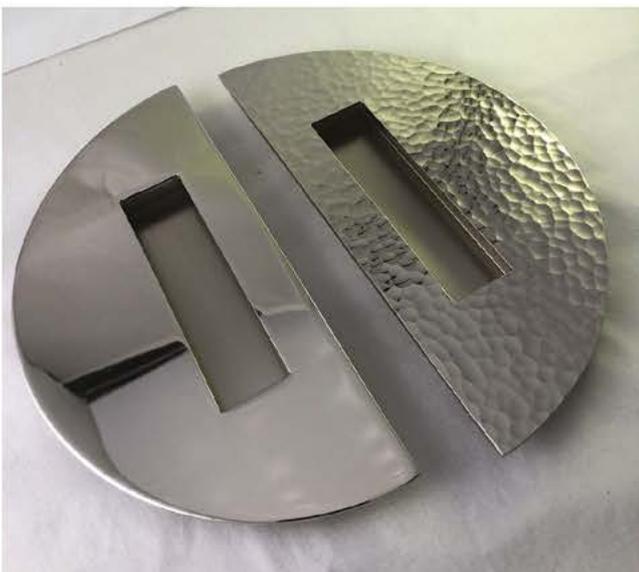
## **BRITISH & EUROPEAN MANUFACTURERS SUPPLYING THE FINEST QUALITY IRONMONGERY**

Touch combine traditional skills with modern manufacturing techniques to produce the most beautiful, quality fittings, built to stand the test of time.

As well as specialist bespoke items, Touch supply over 1000 products, available in 23 different finishes to furnish high end residential and commercial properties, royal palaces, government houses, historic castles and stately homes.

**Olaria, available from Touch Ironmongery**

**[www.atouchofbrass.co.uk](http://www.atouchofbrass.co.uk) & [www.olariabarcelona.com](http://www.olariabarcelona.com)**





# ALUFOLDDIRECT TEAMS UP WITH ITALIAN DESIGNERS TO DELIVER £2.4M REFURBISHMENT FOR KRONES GROUP

A £2.4m project to transform Bolton's Westregen House, home to German-based Krones Group, features aluminium glazing from award-winning AluFoldDirect.

Hundreds of aluminium window units and specialist glazing – totalling more than £150,000 – were supplied for the refurbishment.

The project took 26 weeks to complete and maximised Krones' 18,000sq ft workspace in Greater Manchester.

As part of the plan to give employees a new and inspiring work environment, AluFoldDirect provided stylish and innovative glazing solutions to open up internal spaces and create light throughout the building.

Slim, durable and secure, ALUK 58BW windows in black matt

RAL 9005 were installed at Krones – a worldwide supplier to the beverage and liquid food industries.

Jack Aluminium's TD68 Pivot Anti-panic Door, offering a safe, highly secure and cost-effective solution, and JCW Curtain Walling, which achieves excellent performance in all aspects of a building structure, were also used in the bespoke refit.

To provide the right amount of solar shading, brise-soleil panels were fixed as part of the curtain walling system to intercept strong summer sun.

Complementing these installations, the quick-fit Technic-AL Roof Lantern from AluFoldDirect was supplied to add wow factor without compromising on excellent thermal performance. Developed in-house, this beautiful roof lantern fits together neatly and quickly and is ready to seal in under 40 minutes.

Energy conservation and providing the right internal texture and colours, was paramount for Brown & Bancroft Interiors – the firm instructed by Krones to deliver the refurbishment project in 2018. As part of the design process, it commissioned AluFoldDirect to supply everything aluminium and create the specialist glazing.

Hundreds of frames and pieces of glass were used as part of the project – and AluFoldDirect split up delivery over a series of planned phases to avoid installers having to store products on site.

Krones has run its UK business from Wingates Industrial Park in Bolton for nearly 30 years but last year, the company revealed plans to invest in its working practices by making significant improvements to Westregen House.

The work has completely transformed the building into a modern, light and airy workplace for its loyal staff.

Tim Mooney, project manager at AluFoldDirect, says: "This was a massive project. We supplied a thousand frames and hundreds of pieces of glass and everything went very smoothly.

"The designers had very firm ideas of how the building was going to be transformed and I think we complemented their plans.

"From day one, we worked closely with contractors, Brown & Bancroft Interiors. From the initial meeting, when I took some samples over to show designers, I knew the finished building was going to look amazing – and it does.

"Inside and out, it has been completely transformed. The designers have done a sterling job to give this building a much-needed make over and we were extremely happy to be involved.



"My role as project manager is to ensure that large aluminium glazing projects are managed perfectly. Orders of this size are broken down so we can organise production and ensure everything is manufactured right first time.

"The team at Brown & Bancroft Interiors were professional and it was a pleasure to work with the designers."

Paul Brown, managing director at Brown & Bancroft Interiors, says: "Westregen House has been meticulously refurbished with a striking interior design scheme aimed at bringing the workforce together and equally impressive changes to the external façade through the installation of a new roof and full complement of high quality aluminium glazing which has completely transformed this building."

[alufolddirect.co.uk](http://alufolddirect.co.uk)





# DOORS ARE KEY

As the first thing you see on entering a room, doors can really impact first impressions; especially as they usually feature throughout the house. Choosing a door in the first stages of development (instead of a last minute afterthought!) that has been made well, is easy to fit and looks good, can save time and money in the long run – don't take our word for it, see the case study below about Sanctum by Fenwood Estates, on how their choice of Portfolio doors prompted a lot of interest to their increasingly exclusive new build development.

## SANCTUM BY FENWOOD ESTATES LIMITED, A CASE STUDY

Sanctum, by Fenwood Estates is a housing development that provides the ideal balance between serenity and practicality, ensuring that the build not only reflects a greener, functional purpose but looks great too!

Inside, the sleek, high spec kitchens are complemented by the trend driven Light Grey Two Stile Portfolio doors; pre-hung in Premdor's SpeedSet Plus internal door system, featured in every room. Proudly manufactured in Britain and made from natural Italian engineered veneers, the Light Grey Two Stile is from Portfolio's Contemporary collection, boasting consistent grain and colour. These design led doors are the essential integrated piece of furniture to help shape each buyer's individual style.

Having first-hand experience with prospective customers, Keith Fennell; Site Manager at Sanctum, details the value of pre-empting something as simple as the internal doors prior to the build,

"The doors have been a hit with almost every house viewing to date, every person who walks through the door makes the comment 'the doors are fantastic' followed by an enquiry as to where they're from!"

On site the SpeedSet system was also a big hit because of the ease and speed to fit each door, with the added bonus of not having to pay the additional amount needed to get skilled joiners on site, helping the project to run as smoothly as possible."



From 4 collections; Contemporary, Classic, Exotic and Natural, and with 20 door designs to choose from, Portfolio allows for flexibility and practicality. With glazing styles to suit domestic and commercial dwellings available in numerous differing veneers, and with all designs offered in both FD30 and FD60 fire rated core options, Portfolio is changing the way we see doors. Giving a little thought to the integral features can really enhance the prospects of any housing project.

**Find out more about Portfolio and SpeedSet doorset systems and visit [www.premdor.co.uk](http://www.premdor.co.uk), call 0844 209 0008 or email [enquiries@premdor.com](mailto:enquiries@premdor.com).**

# Let More Originality In.

Featuring Walnut Vertical and Light Grey Two Stile from Portfolio's Classic and Contemporary Collections.



Both doors featured within Premdor's SpeedSet Plus internal doorset system.

Real Veneers. Consistent Grain. Consistent Colour. Never Identical.

**Portfolio doors are more than just 'doors'.**

# COMAR 9P.I HIGH PERFORMANCE WINDOW, DOOR & FRAMING SYSTEM

After extensive research and consultation with key supply partners, Comar Architectural Aluminium Systems deliver the Comar 9P.i High Performance Window, Door and Framing System.

Research indicated that a thermally efficient future-proof facade system was required, with off-site manufacture and value engineering solutions that actively seek to reduce material content.

Comar 9P.i High Performance framing offers two options of construction, ladder frame or mitre frame. Comar 9P.i windows and 9P.i doors can be hung directly from the frame, reducing the need for additional outer frames, creating a truly integrated solution.

Building typologies differ from refurbishment to new build, so Comar 9P.i has profiles widths from 78mm, 100mm and 120mm creating greater design flexibility.

There are three levels of thermal performance, standard, multi-chamber and multi-chamber thermal foam, creating U-values of between 1.6 to 1.0 for a typical grid size with opening vents.

Comar 9P.i has slim 65mm sight-lines to meet that architecturally demanded aesthetics are achieved. Glazing lines are flush, maintaining consistent lines for a sleek external facade providing straight interfacing with walls, internal floors and partitions.



Consideration is also given for plaster-lines with profiles to cater for differing situations. Comar 9P.i windows can be open-in or open-out side, top or bottom hung and a tilt and turn option, offering unobtrusive ventilation. Comar 5P.i Vertical Sliding Windows and Horizontal Windows can also be integrated into the Comar 9P.i framing.

**For further technical information or pricing, contact Comar's Marketing Department on 020 8685 2318, email [projects@parksidegroup.co.uk](mailto:projects@parksidegroup.co.uk) or visit [www.comar-alu.co.uk](http://www.comar-alu.co.uk)**

## METAL TECHNOLOGY ENHANCES STUDENT LIVING AT CAPITAL QUARTER CARDIFF

Capital Quarter Cardiff student accommodation is a sterling example of premium architecture that is practical without compromising on quality. The project brings together an impressive collection of multi-functional systems from architectural aluminium systems' company, Metal Technology.



Located in the centre of Cardiff the development spans an impressive 140,000 sq ft and consists of two multi-level blocks linked by an attractive architect-designed landscape scheme. Providing a mix of studio and cluster accommodation, the two blocks are made up of 544 self-contained rooms in total.

With a project value of approx. £1.725million the accommodation features Metal Technology's System 17 capped curtain walling with a combination of System 5-35HI+ tilt and turn windows and System 4-35 Hi+ thermally enhanced Casement windows. System 5-20D Hi+ thermally enhanced door systems are also used alongside System 10 commercial doors.

**For more information visit: <https://www.metaltechnology.com>**

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## ASPEX SUPPLIES TRIO OF DOORSETS TO SHOREDITCH DEVELOPMENT

Aspex, one of the UK's leading architectural ironmongery and doorset companies, has secured a contract to supply its trio of doorsets to a residential development in Shoreditch, London.



Aspex has supplied its Novista system to The Makers apartment development on Nile Street, which comprises of 175 apartments over 28 storeys, with private roof gardens, lounges for ad-hoc meetings, and a co-located college.

Working alongside architects Avanti, and designers Woods Bagot, the project required a minimalistic and sleek design to match the interior surroundings which includes smoked oak apartment entrance doors and bespoke brass ironmongery. Within the apartments, Aspex has supplied its Novista hinged and sliding doorsets, all of which meet the architectural demand required for the project.

The company has also supplied its Novista Pocket Sliding Doors to the en-suite bathrooms in the apartments. They open into the wall cavity to save space, whilst the soft closing mechanism and nylon rollers ensure that the doors close safely and silently.

For more information, visit [www.aspex-uk.co.uk](http://www.aspex-uk.co.uk)

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# ROSE COURT SECURES PLANNING **FOR EXTENSIVE** **REFURBISHMENT**

BDG ARCHITECTURE + DESIGN

The Rose Court building, located at 2 Southwark Bridge Road, London, has received planning permission for extensive refurbishment.

BDG architecture + design has obtained planning permission on behalf of WPP. The BDG refurbishment will dramatically improve the performance of the existing Rose Court building and includes sensitively added mass along Southwark Bridge Road and at roof level.

An addition to the front façade, the street line and the roof extension will be carefully sculpted in response to long-range protected views of St Paul's. A new rooftop terrace, bordered by green roof and planting, offers spectacular views towards the City, South Bank, Tate Modern and across the River Thames.

Externally, the existing heavy granite cladding will be removed and replaced with a new high-performance brick and glass façade system. Along Southwark Bridge Road at ground and first floors the granite cladding will be replaced with full height 'shop front' style glazing to increase visibility and transparency helping to animate the street.

Internally, the scheme provides high quality 'CatA +' shared amenity spaces in the form of a café, canteen, restaurant event space and business lounge. These are located at lower and upper storeys with new staircase connections to encourage movement and ease pressure on lifts.

The flexible workspace will incorporate elements of the existing exposed concrete structure in open areas to maximise volume. Services will be concealed and cores fully refurbished.

The existing building sits astride the 16th century remains of the Rose Playhouse. Uncovered in 1989, the Rose Playhouse is one of the best-preserved examples of its type and a listed historical monument. BDG has been working closely with the Rose Theatre Trust to improve the existing Playhouse setting whilst ensuring the Playhouse can continue to operate during the project works.

The BDG design takes cues from the historical context and local industrial fabric using earthy, natural materials and colour references. A generous sunken courtyard at roof level echoes the size and position of the original Playhouse structure and houses a stunning spiral concrete staircase, giving access to the roof.



The building will achieve BREEAM 'Excellent' rating.

Core Team: Lead Designer: BDG architecture + design Project Manager / QS: Colliers International Services Consultant: Hoare Lea Structures Consultant: Webb Yates Façade Consultant: Eckersley O'Callaghan

BDG architecture + design Ltd is part of the WPP Group. Reg no. 02707220 at East Studio, Riverside Walk, Sea Containers, 18 Upper Ground, London SE1 9PD

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# MAISON DE LA LITTÉRATURE (HOUSE OF LITERATURE)

⋮ CHEVALIER MORALES ARCHITECTES

The Maison de la littérature (House of Literature) is located in the historic neighbourhood of Old Québec, a site part of UNESCO's World Heritage List. In this particularly dense urban setting, Chevalier Morales designed a contemporary annex, a simple and refined volume, to the Wesley Temple, a neo-Gothic heritage church. Since its opening, the Maison de la littérature has rapidly become a vibrant home to Québec literature and a popular touristic destination in Old Québec.

Stemming from an architecture competition, the winning project by Chevalier Morales proposed an unforeseen solution, a response exceeding the initial commission's expectations. The architects chose to move part of the program into a new annex outside the church space to provide a more transparent and universal entrance.

This strategy also helped declutter Wesley Temple, allowing the architects to preserve and restore the original spatiality of the overall structure. Along with the library spaces, the Maison de la littérature's unique and innovative program also includes a concert/lecture hall, a café, a temporary exhibition space, a permanent exhibition, a resident writer's apartment, creation studios, a projection room, a classroom as well as a multimedia studio.

The Wesley Temple, built in 1848, was closed in 1931 and was transformed in 1944 into a public library and a concert and lecture hall for the Institut Canadien. The latter was closed to the public in 1999. The new Maison de la littérature offered to the Institut the opportunity to pursue its mission, while remaining one of the oldest public libraries in the province of Québec.

#### **AN ADDITION WITH STRANGELY FAMILIAR SHAPE**

The partly transparent and strangely familiar shape of this new annex gives an open, contemporary feel to the Institut Canadien de Québec, the main entrance of which is now accessed naturally from the bottom of the sloping Chaussée des Écossais where it intersects with Rue St-Stanislas.



The outer shell of the façade is made of glass panels with an underlayer of perforated brass sheets, which compose an intriguing bas-relief. Furthermore, the glass annex reflects its surroundings, integrating itself carefully, without mimicry, into the historic urban context of Old Québec.

This extension, which in its dialectic relationship with the original temple brings the institution fully into the 21st century with its e-books and Twitter poems, houses the main creative spaces in the upper levels. All the necessary mechanical spaces are also found in the basement of the new addition. The idea of putting the creative spaces outside the temple while maintaining a close connection to it seemed symbolically appropriate. Slightly detached, the annex's impressive views of the river and the old city offer a greater sense of freedom.

#### **THE MULTIPLE PATHS OF FREEDOM**

The institution's interior layout provides greater access via the main door of the temple as well as the parking lot that also leads into the annex. These various access options all converge on the large circular opening in the library's floor and the hanging contemporary light fixture at the heart of the building, vertically connecting the café, two exhibition areas, and the library collections.



**THE ANNEX'S IMPRESSIVE VIEWS OF THE RIVER AND THE OLD CITY OFFER A GREATER SENSE OF FREEDOM.**

## PRESERVED ORIGINAL FEATURES LIKE THE OGIVE WINDOWS AND THE CEILING'S MOLDINGS BLEND HARMONIOUSLY WITH THE CONTEMPORARY FURNITURE.

Through the original solution of the annex, it was possible to restore the Salle de l'Institut, a cultural and intellectual hotspot in Québec City for the second half of the 20th century. With its circular shape and multiple levels, the new concert and lecture hall can be isolated through concentric and sliding acoustic panels integrated to the ceiling. The space is technically equipped to host conferences, plays, intimate concerts, and public presentations.

Above, the almost completely white library is filled with light. Accessible through a sculptural white spiral staircase, it embraces the generous spatiality of the original church, including carefully restored elements from previous transformations that highlight the place's rich social and spatial history. Preserved original features like the ogive windows and the ceiling's moldings blend harmoniously with the contemporary furniture.

A permanent exhibition on the theme of freedom in Québec literature had to cover the whole temple area, rather than being confined to a single room. The architects carefully conceived and integrated this immersive exhibition promenade with a variety of other programmatic uses on the three levels of the Maison de la littérature.

### A DIALOGUE BETWEEN PAST AND PRESENT

The insertion approach used for the new annex is aimed primarily at showcasing, complementing and preserving the heritage value of the existing building. The extension emerges as a strong symbol of the redeveloped heritage space and avoids altering the architectural composition of the existing structure. The project also included a significant restoration component for the building's masonry and English gothic church windows.

The glass annex, with its high-quality materials, its transparency, and its detail simplicity, establishes a material and formal dialogue with the existing stone building. The extension's simple and controlled skin does not compete with the richness and quality of the adjacent historic details and masonry assembly. The Maison de la littérature creates a dialogue between the past and present of the historic neighbourhood of Old Québec City.

### PROJECT DATA

Client / Ville de Québec

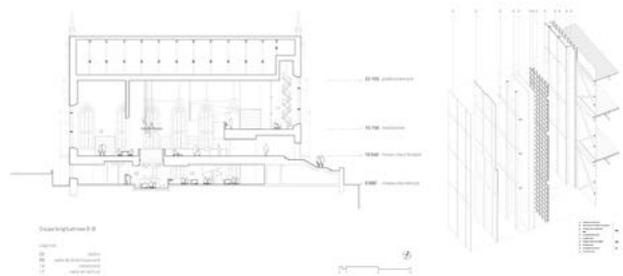
Project end date/2017

Budget / 11.8M\$

Area / 1920m<sup>2</sup>

Capacity/235 seats

Prizes (selection) / Governor General's Medals in Architecture (2018); Prix d'excellence en architecture de l'Ordre des architectes du Québec, catégorie Bâtiments culturels (2017); Grand Prix d'excellence de l'Ordre des architectes du Québec (2017); Prix Architecture de bibliothèques et centre d'archives du Québec (2017); Prix d'excellence du Conseil du Patrimoine Religieux du Québec, catégorie Réutilisation (2016); Mérite d'architecture



de la Ville de Québec, catégorie Bâtiment municipal (2016)  
;Canadian Architect Award of Excellence (2014)  
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# WELCOME TO FIREX INTERNATIONAL 2019

## ◦ FIREX PREVIEW

FIREX International takes place from 18 – 20 June 2019 at ExCeL London and is free to attend. It is the only event that connects the global fire and security markets, giving you access to the very latest technology from suppliers around the world. So, whether you work solely in the fire industry or across both fire and security, FIREX International provides you with the solutions and knowledge to help keep your property and people safe.

Grow your business by networking with thousands of fire and security professionals. With over 130 exhibitors it is the perfect opportunity to source world-leading fire safety products, from sprinkler systems to intelligent buildings, including both passive and active solutions. From the ASFP Passive Protection Zone, LPCB Red Book Pavilion and the Sprinkler and Water Suppression Zone, it's all under one roof.

### WHAT'S ON?

FIREX International hosts unique zones dedicated to meeting your business needs. Test over 1,100 fire safety products and solutions from industry defining manufacturers to small innovative start-ups. Confirmed exhibitors include Apollo, The A15 Group, InproEurope, Advanced, Hochiki and C-Tec. The BRE Group will also host the LPCB RedBook Pavilion, where visitors can speak with manufacturers of quality certified products. Whilst the Sprinkler and Water Suppression Zone hosts leading vendors of sprinkler technology, including Duyar Valves, Reacton, FirePro and Xylem Water.

### GROW YOUR BUSINESS

- Establish and strengthen your supply chain by meeting existing and new partners
- Network with key people and forge productive relationships
- Stay up-to-date with the latest trends, products and legislation
- Get hands-on-experience of innovative fire safety products and solutions

### PERSONAL DEVELOPMENT

Over three days you will have access to 25+ hours of free conference sessions, you can also book to attend the co-located Tall Buildings Conference. The programme is led by world-renowned experts and industry leaders who will reflect on some of the most critical topics shaping the sector, including:

- Double Fatality Fire and the Smoke and Carbon Monoxide Alarm Regulations 2015
- Defining the competency in the Fire Industry with FIA Qualifications
- Review of Government response to Hackitt/ADB review and impact on passive fire protection
- The Development of Tests to assess the performance of video fire detectors

### GLOBAL NETWORKING OPPORTUNITIES

A variety of bars, parks and meeting areas provide visitors with plenty of opportunities to make new contacts. Whilst the complimentary 1-2-1 Meetings Service allows you to tailor your own agenda of meetings with the suppliers most relevant to you. You can also connect with hundreds more professionals at FIREX's co-located trade-shows: IFSEC, Safety & Health Expo and the Facilities Show.

Find out more at [www.firex.co.uk](http://www.firex.co.uk)

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The Royal Armouries is the national museum of arms and armour, and the guardian of a unique collection of over 8,500 objects displayed across five themed galleries at its Leeds museum, some of which have transformed the world as we know it.

As well as the museum and exhibition spaces, the Royal Armouries also provides conference and theatre facilities to hire for public, theatrical or corporate events.

One such facility, the Bury Theatre, with an audience capacity of 100, was receiving damage to the lobby and entrance doors from the footfall of people, being further exacerbated with the movement of technical and performance equipment.

Stephen Cohen, Building Contract Manager at the Royal Armouries, took time to explain:

"We strive to offer a high-quality visitor experience throughout our organisation and after the floods that affected some of the building in 2015, the Bury Theatre had undergone a minor refurbishment.

"As part of the project we decided to improve the look of the fire doors in the theatre lobby and auditorium area which had suffered some marking and damage. As an organisation that receives funding, sponsorship and public donations it is important we invest stakeholder's money wisely and so we were looking for a product that would also damage-proof the doors for the future, eliminating the need for further repair and replacement costs."

Yeoman Shield were able to provide such a product in the form of their fire rated door protection systems which were installed by their own directly employed operatives.

Full height, 2.0mm thick FalmouthEx door protection panels were fitted to the outer doors in graphite grey. Door edge protectors were added to the clashing and hinged edges to protect these vulnerable parts from damage that could impede the functioning of the door in the event of a fire.

The theatre's internal doors also received full height protection panels and door edges, this time in black to suit the requirements of the auditorium.

All Yeoman Shield's door protection products are fire rated and have been tested to the current standard required.

"We are very pleased with the outcome of the Yeoman Shield door protection installed. Having received favourable feedback from members of the team we hope to roll out the product to other areas of the building in due course". commented Mr Cohen.

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# NEW FLAME-RETARDANT MEMBRANE FOR THE CONSTRUCTION MARKET

Walki is launching a new flame-retardant membrane. Walki®Wall Tight FR G A2 is a unique vapour barrier that ensures fire safety for construction assets and people in case of rescue or evacuation operations.

"We identified the need for a more flame-retardant material a few years ago. Then the terrible fire accident at the Grenfell tower happened in the UK, and fire regulations were intensified", says Pierrick Girard, Business Line Manager, Construction Membranes at Walki.

The building regulations amended by the UK government, that came into force in December 2018, bans the use of combustible materials in the external wall of buildings. The construction of the external wall, along with specified attachments, must be investigated by the Local Council Building Control and, where necessary, work must be carried out to ensure they only contain materials achieving European Class A2-s1, d0, i.e. it must be non-combustible.

"The Walki®Wall Tight FR G A2 underwent extensive testing in December last year, and received Euroclass A2-s1-d0 standard. In other words, the membrane has been proven non-combustible", says Girard.

The Walki®Wall Tight FR G A2 can be used in walls and ceiling as a construction membrane, preventing heat radiation and moisture transfer.

As the Walki®Wall Tight FR G A2 is non-combustible, it is ideal as an internal vapour barrier in public buildings such as schools, hospitals, shopping centres and restaurants.



"In warmer places, such as Dubai, the vapour barrier can be used externally as protective sheathing in high rise buildings", says Girard.

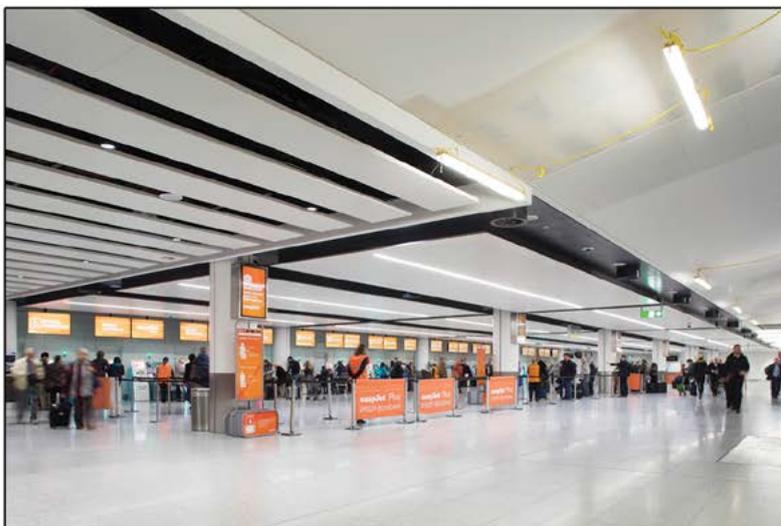
Walki has worked on developing the product for over two years. The membrane is based on lacquered aluminum layers laminated with strong glass fabric, attached together with a special flame-retardant glue.

"Both aluminum and glass fibre are non-combustible, ensuring that the vapour barrier has a good fire resistance. This solution is also cost-efficient compared to other options on the market", says Girard.

The membrane is ready for sales, and will primarily be launched for the UK markets, but will of course be available for other countries as well.

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# THE BENEFITS OF LUXURY VINYL TILES

When homeowners think about the best choice of flooring, most will picture long planks of traditional oak or walnut. For centuries, real wood has reigned supreme, delivering exceptional durability, and a long lifespan to match. But with continuous updates to technology and manufacturing techniques in the flooring industry, it's looking as though change is on the horizon.



For all its advantages, wood flooring has some notable shortcomings. Alongside some of the highest prices for any material on the market, wood requires added care and attention that some homeowners may find difficult to keep up with. In today's modern homes, it might be time for something more up-to-date.



Luxury vinyl tiles are fast becoming one of the most popular choices of flooring available, and for good reason. Unlike their synthetic predecessors, LVT boasts unrivalled stability, photorealistic design, and broad accessibility.

The question is, how does LVT achieve such outstanding results, and why should you be thinking about making the change?

Luxury vinyl tiles utilise a bespoke blend of Polyvinyl Chloride (PVC) and Polyurethane, amongst other synthetic materials that give each brand their own unique edge. The composition makes each tile suitable for heavy foot traffic, and can even withstand the constant stress of commercial and contract environments.



Unlike real wood, LVT is heat and water resilient, and so won't warp or shrink in areas of high humidity and moisture such as kitchens, bathrooms, and conservatories. Not only does this allow each tile a higher degree of versatility, it makes LVT a perfect choice for family homes with mischievous pets and children.

Using traditional methods, wood flooring has always been difficult to install, costing time, and more importantly, money with prolonged fitting procedures. This is no longer the case with LVT. Each tile has been designed with easy fitting in mind, utilising an advanced click installation system. This allows the flooring to be floated above the subfloor without permanent adhesives. Because the tiles lock together safely and securely, fitting materials are drastically reduced, allowing homeowners to fit the flooring themselves.



Whilst these few aspects of vinyl tiles undoubtedly set them apart from the common stock, the benefits are inexhaustive. Whether you're looking for enduring performance, contemporary design, or everything in between, you simply can't go wrong.

[www.luxuryflooringandfurnishings.co.uk/vinyl-flooring.html](http://www.luxuryflooringandfurnishings.co.uk/vinyl-flooring.html)

# POLYFLOR ADDS ENCORE RIGID LOC TO THE EXPONA FAMILY OF PREMIUM VINYL FLOORCOVERING

Polyflor, the UK's commercial and residential vinyl flooring specialist is pleased to announce the launch of a brand new product format, the Expona EnCore Rigid Loc collection. This exciting new hybrid product has an expertly engineered premium rigid SPC (Stone Polymer Composite) construction with exceptional stability making it ideal for installation over existing subfloors. Expona EnCore's technically sophisticated specification combines:

1. A premium rigid SPC core
2. 0.55mm heavy commercial wear layer
3. high clarity decoration layer
4. 1mm IXPE Acoustic Backing Layer
5. 5G-i locking technology

Whether designing a large scale commercial installation or a warm and inviting home interior scheme, aesthetics are just as important as practicality, especially when considering a floor covering. Expona EnCore Rigid Loc offers a flooring solution that caters for both commercial and residential interiors. The rigid construction gives the floor exceptional stability and it's acoustic foam layer reduces impact sound by 19dB, exceeding UK building regulations whilst also providing comfort and warmth underfoot. The use of 5Gi click-locking technology provides superior performance in a quick to install floor covering and the loose lay format means no adhesive is required, reducing installation time and cost.

The collection features 12 faithfully replicated wood designs that have been expertly selected bringing together the natural beauty of timber and its authentic surface textures. The Expona EnCore Rigid Loc collection encompasses a wide spectrum of wood species to suit any commercial or residential interior with each design featuring fine grain and knot detailing and micro bevelled edges for a timeless appearance typical of real wooden floorcoverings.

Polyflor's unique polyurethane reinforcement creates a scratch and stain resistant finish that makes it ideal for modern households with families and pets, as well as heavy commercial interiors with high foot traffic. Expona EnCore Rigid Loc is also 100% waterproof and an ideal alternative to hardwood flooring, offering all the beauty of real wood with the resilience of vinyl.

Tom Rollo, Polyflor's UK and International Marketing Director comments, 'Perfectly suited to both residential and commercial interiors, the Expona EnCore collection offers a brand-new SPC product construction to the market with a unique set of performance benefits. Contemporary wood designs combined with a quick and easy installation method will ensure that this exciting new product is a popular choice with flooring contractors and specifiers alike.'



Expona EnCore is beautifully presented within a sampling package which includes a brochure and a comprehensive presenter. Sampling can be ordered free of charge on the Polyflor website or by calling the Polyflor Samples Direct Hotline on 0161 767 2551. Expona EnCore's environmental credentials are impressive, achieving a generic BRE A+ rating in major use areas and Indoor Air Comfort Gold, assuring that VOC emissions are below any globally determined levels. It is also 100% recyclable via the Recofloor recycling scheme and contains an average of 15% recycled content.

**Further details of Polyflor's extensive range of resilient vinyl flooring are available from Polyflor Ltd, Radcliffe New Road, Whitefield, Manchester, M45 7NR.  
Tel: 0161 767 1111. Fax: 0161 767 1128.  
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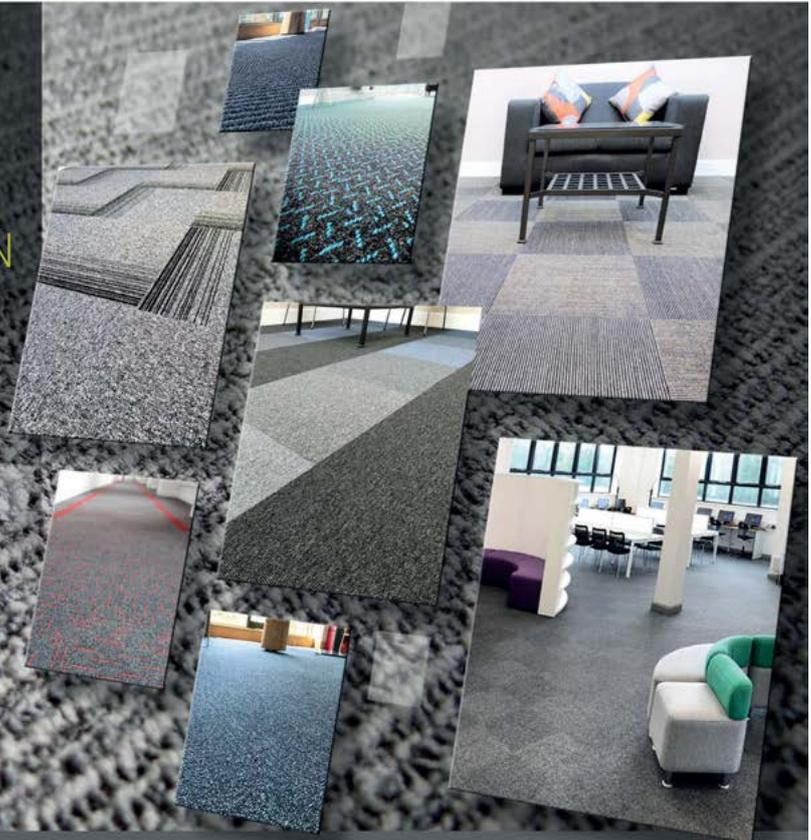
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# ALIGN EXPANDS CITY OF LONDON WORKSPACE INTERIORS **FOR AUSTRALIAN FINANCIAL SERVICES GROUP CLIENT**

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• ALIGN

For their second project for an Australian financial services group, workspace specialists align were briefed to design 13,745 sq ft of new working, meeting, presentation and break-out space across 1.5 storeys at their client's City of London offices in order to meet a period of sustained growth and house three divisions of the company, totalling around 150-170 people.

align had previously worked on an office interiors scheme in Reading for the same client, before being instructed to create this new Cat A and Cat B scheme, where the brief was to include integrated, but differentiated, zones that worked within the overall building environment with a pronounced accent on biophilia, agile working and staff wellbeing.

The client's Head of Infrastructure Technology and Business Services - EMEA, commented on the project: 'Our objective here was not to just fit-out the space in line with the rest of the building, but to use people-centred design to challenge our thinking and create a number of new inspiring spaces. We aim to create and manage high performance work environments and client spaces that are a consistent representation of our global brand and our spaces are managed to the highest possible standard, reflecting our culture and aspirations.'

**FULL SCOPE OF WORK:**

The scope of work mostly covered the building's 8th floor, where general workspaces are located, along with a staff kitchen/pantry; a large presentation and townhall space (which can also be used for other purposes, eg yoga classes); five meeting rooms and a large breakout area with an indoor-outdoor feel ('The Terrace'). The multi-use presentation area was deemed particularly important to the success of the project and is able to be combined with The Terrace area, with a folding wall between the two, in order to allow large-scale events to be held there. The



scheme also encompassed a number of private working booths, as well as a more relaxed work/meeting area on the storey above, on the building's 9th floor.

'The 8th floor space really was a blank canvas when we took the project on, in spite of most of the building having been fitted out for several years already', Gurvinder Khurana, align Director and Co-founder, commented. 'The spaces were effectively concrete shells and so could be designed to serve the required functions perfectly.'

**WORKING WITH THE EXISTING BUILDING:**

The existing building has a strong statement core, including a red feature staircase created by the scheme's original architects. This new design project needed to acknowledge and talk to this dominant feature. This was achieved via the occasional and well-judged uses of red throughout - from red lines, for example, within a grey carpet from Shaws Carpets used in corridor areas, that also echo the staircase's angled geometry, with Fegerhold lights directly above further matching the carpet insert angle.



THE EXISTING BUILDING HAS A STRONG STATEMENT CORE, INCLUDING A RED FEATURE STAIRCASE CREATED BY THE SCHEME'S ORIGINAL ARCHITECTS

## THE TERRACE IS A COMMUNAL SPACE WITH MAJOR BIOPHILIC IMPETUS AND THE PLANTING STRATEGY FOR IT HAS HAD A VERY POSITIVE RECEPTION FROM STAFF

A striking red feature was also used on the building's 9th floor, in the form of a rectangular feature wall area, which is clad in individual, red Muratto tiles in 3D off-centre pyramid shapes, angled once again to mimic the stair. This idea is continued along a narrow galleried seating area on the same floor, where the tiles this time are arranged as wall art in a series of alternating 4 or 6-tile portrait-format rectangles, accompanying a 6-person meeting space.

### NATURAL LIGHT AND SUSTAINABILITY:

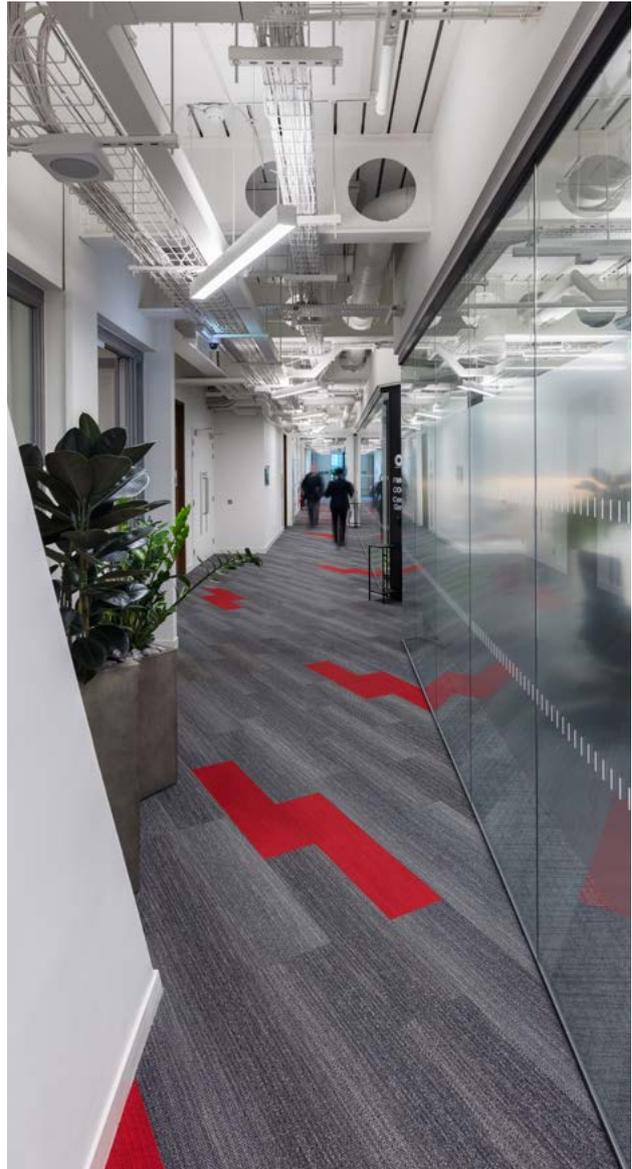
The client brief also requested the use of glass to maximise natural light and the scheme therefore features fire-rated glass for dividing walls wherever possible. As the more traditional working zones for the teams also require privacy and security for FCA compliance, privacy manifestations are used for some of the glazed partitions. Further light was created via white-painted ceilings, deliberately exposed, allowing for a very generous 3m ceiling height – almost a metre more than the average office interior – whilst at the same time ensuring a less corporate feel.

From an energy perspective, the large elements of glazing pull in as much natural daylight as possible, with cellular spaces confined to inner core areas and the lighting scheme is entirely LED-driven, with suspended up and down-lighting to limit glare to work surfaces. Floor finishes, meanwhile, feature a high degree of recycled content, as do the slatted timber acoustic panels in the presentation space, made from off-cuts of Australian red cedar.

### AGILE WORKING, WELLBEING & BIOPHILIA:

'When it came to designing the workspaces themselves, we knew that our client has a strong collaborative relationship with its staff and engages in a number of programmes promoting health, wellbeing and balance within the workplace' Gurvinder Khurana explained. 'This project therefore represents the continued evolution of the Group's people-centred working environments, which support the development of agile, activity-based working practices. A high level of trust is placed in the teams to choose the appropriate spaces in which to work – whether traditionally desk-based, buzzy-and-collaborative or quiet and reflective, with an overall workplace technology infrastructure which allows these to work seamlessly.'

Workspace furniture includes sit-stand desks from Hayworth, along with a mixture of desks and seating by Naughtone, Orangebox and Brunner. Whilst the scheme created a suite of varied workplace environments for an agile workforce, each work zone also encompassed small meeting spaces and work areas, screened with combinations of furniture elements, hanging planting and open Abstracta frameworks, to create more intimate neighbourhoods within larger zones, along with jump-in jump-out phone booths to provide local quiet spaces.



Each area very much has its own character and this approach can also be seen in the different meeting room design treatments, with carpets in two rooms in turquoise, two in green and one in yellow, for example.

A commitment to creating a biophilic environment meant an extensive planting strategy for the space too, creating a natural connection via externally-planted roof terraces, which also improve internal air quality and help mitigate the breakout of sound into the building's shared atrium space.



#### COMMUNAL PANTRY:

A communal pantry area on the 8th floor is surrounded by glass dividing walls, made more dynamic via a film manifestation in a highly-contemporary geometric pattern, applied on two walls in black and white and one in colour. The pattern reflects the geometry of the corridors beyond, with the colours forming a subtle reference to the company's Australian origins and in particular to the earthy tones of Aboriginal art. Rubber flooring in the pantry area is from Nora with a raised disc pattern.

#### MULTI-FUNCTIONAL / PRESENTATION AREA:

The multi-functional/presentation area also has completely moveable furniture in the form of stacking chairs, along with folding Torino tables from Brunner, that can be wheeled to one side. The

space includes a lectern that can be used in different locations and a large screen at one end. A hexagonal-design carpet here is from Shaws Carpets, whilst the rear wall features a stack-panel cladding system using recycled timber. The carpet continues into The Terrace beyond to link the spaces when the requirement is for a unified, larger space.

#### THE TERRACE:

'The Terrace design was in fact a revamp of an existing space, but the client was very keen to have something more contemporary here and also lighter, brighter and more connected in feel. This space also needed to act as an overspill area, whilst also being connected to the rest of the business and the building's exterior', Gurvinder Khurana explained.

The feel of The Terrace was to be homely, cosy and intimate. The manifestation on the folding glass wall linking it to the presentation space is a pointillist take on a field of bluebells, in a further biophilic-inspired element bespoke-designed by align.

Furniture here includes a row of bleachers, a form of mobile storage with the appearance of wooden trunks, whilst loose furniture includes striking red and blue hexagonal stools with white tables and green and ocean-blue chairs with angled backs. A planted mullion detail creates a more domestic, conservatory style to a otherwise corporate London Wall system - a first for this manufacturer.

Alongside the circulation void at the centre of the building and demarcating the edge of The Terrace is a row of high-back booth seats from Icons of Denmark, specially adapted for this scheme with castors, so that they can be moved, if necessary, in case of large-scale townhall meet-ups, with a contiguous AV solution also integrated between the two spaces.

'The Terrace is a communal space with major biophilic impetus and the planting strategy for it has had a very positive reception from staff', Gurvinder Khurana explained. 'align worked together with Plant Plan, as we did on the client's earlier offices in Reading, to achieve this. Other planting includes a series of eight hanging terraria set within glass globes, which are visible from other parts of the office through the glass walls. There is also an indoor garden alongside two phone booths, a meeting table and chairs and shelves where awards the company has won are displayed, along with inverted sky plants by Boskke, used both within The Terrace and on the 9th floor.'

The Terrace area is also home to a Tech Assist help desk that provides local IT support that staff can engage with informally as they go about their day, sorting email queries, phone issues and offering hardware support as needed.

#### THE 9TH FLOOR

On the 9th floor, a series of felt-walled phone and single-working booths are by Buzzispace, whilst a previously under-used corridor area has been made much more dynamic through connecting it to the rest of the building to create a new semi-formal meeting space.

'Previously, this area had both quiet booths and lounging sofas, so it had proved confusing to members of the team in terms of proposed usage', Gurvinder Khurana explained.

The sofas were therefore removed and the space made more logical and connecting, adjacent to the series of private phone booths.



A dynamic square light fitting from ALW mimics the table shape below and attracts users' attention. The addition of greenery and planting creates an indoor-outdoor feel and also connects the space to the floor below, via the same 'upside-down' planting detail from Boskke.

**CLIENT SUMMARY:**

The client's Head of Infrastructure Technology and Business Services - EMEA said of the designs that 'align really hit the mark, creating inspiring workspaces containing light touches of design that are both aesthetic and functional. Meeting rooms contain acoustic pendant lights to improve audio performance and collaboration spaces utilise movable walls, tables and booths to create multi-purpose and flexible spaces that users can change themselves.

In business areas, quality lighting, sit-to-stand desks and clear lines of sight improve wellbeing. Enhancements to the quiet working area carried the outdoor theme up the building, creating a clearly defined space utilising carpeting, wall treatments and booths that look great, but also deliver on noise reduction in an open atrium environment.

We judge our spaces by how they make people feel, think and act. The feedback from the business has been exceptional and we believe the change to how people feel about the work environment is clear. With align we have created spaces for people to focus and the increased use of the collaboration zones has driven greater interaction across business groups.'

[www.aligngb.com](http://www.aligngb.com)



# DUNHAM-BUSH PROVIDES A MASTER CLASS IN LOW ENERGY VENTILATION FOR CLASSROOMS

Dunham-Bush has signed an exclusive agreement with Eco-Airvent to manufacture and distribute their range of innovative, energy efficient ventilation products, including the patented Classmaster® and VHR heat recovery units.

Air quality in classrooms has a major bearing on the academic performance and productivity of occupants and with air pollution levels continuing to rise in the UK, especially in cities, it has become increasingly important that these issues are addressed.

Released by the government last year, BB101:

'Ventilation, thermal comfort and indoor air quality 2018' has been instrumental in the most significant changes in ventilation design, regulation and guidance in schools since 2006. Working in parallel with BB93: 'Acoustic designs for schools, performance standards (2015)', it gives a detailed holistic approach to the internal environment in schools with the emphasis very much on energy efficiency.

BB101 guidelines on ventilation, include standards for all spaces within a school or college and new guidance for science labs and other practical areas.



All ventilation systems must have the capability to operate in typical UK weather conditions, including high winds and rain. Final ventilation designs will depend on the following key factors:

- Building location
- Type of construction
- Site ambient noise levels
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- Amount of glazing / solar gain
- Patterns / type of use

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The factory fitted Eco-Pro 3 controller offers a plug and play capability and is ideal where stand-alone control is required. Units can be activated either via volt free contact (VFC) from a time switch or BMS (enable / disable signal). The controller can give fault outputs either to the Eco-Fault panel or BMS panel. Individually adjustable fan speeds on trickle and boost settings with frost protection, automatic summer by-pass and night time cooling options are included as standard. Fans switch automatically to boost speed when CO2 is detected.

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WELCOME TO THE COMFORT ZONE



# YORK HOSPITAL AGAIN CHOOSES RINNAI HOT WATER HEATING UNITS FOR UPGRADE

Clifton Park Hospital in York, advised by A J Gastech - has chosen Rinnai to upgrade its hot water heating system to meet the increasing demand whilst staying economically and environmentally efficient.

Clifton Park Hospital opened in 2006 has first-class medical facilities including 24 beds, two theatres, a day case unit, a large outpatient department with X-ray facilities and on-site physiotherapy, including a small gym area. In 2018, the hospital opened a new outpatient department with 11 consulting rooms, two treatment rooms and x-ray facilities.

Clifton Park prides itself on offering exceptional care and service to all its patients and currently has a 5 star rating on NHS Choices, 4 star rating on Google and 4.7 rating on Facebook reviews. In the most recent survey - NHS Family & Friend's Test, 100% of inpatients and 98% of outpatients recommend the hospital.

The new water heating system features 3 Rinnai HDC 1200i plus a 500 litre cylinder. A Rinnai HD50i looked after the hot water demand for 10 years, without missing a beat, but due to expansion at the hospital a new bespoke system was required.

The decision was taken to upgrade to more energy efficient condensing hot water heaters and incorporate the 500 litre storage vessel to give the hospital a means of dealing with peak hour demands.

The heating engineer contractors, A J Gastech, were given just a 14 hour window in which to remove the existing system and replace it with the new one. This was achieved with a bit of time to spare, such is the expertise and professionalism of A J Gastech.

A J Gastec Ltd provide plumbing and mechanical contracting and maintenance for private customers, construction organisations in domestic, commercial and industrial sectors. The company offers services from installation to maintenance contracts with the variety of works involving sites throughout the UK for both public and private sector works.

Says Adam Stante for A J Gastech, "We are based in Bradford, the heart of Yorkshire, and we have a dedicated team of specialists that work throughout the UK, delivering high spec projects on time and on budget. Our standards are of the highest quality, cost effectiveness and to our client's approval."

The Rinnai HDC 1200i continuous model is for use on all high demand sites as it is easily capable of delivering 2000 litres per hour. It guarantees unparalleled levels of efficiency and hot water delivery for the end user whilst streamlining installations and guaranteeing future regulatory compliance.

This is a precision engineered water heating unit can also be combined as multiple units into one single, easy to handle module. Both HDC1200 internal and external models turn in a market leading energy performance of 107% net efficiency and offer superlative ranges of modulation as the system's internal analytical system can modulate the burner range from 54kw to 2.4kw. The Rinnai HDC 1200i is engineered for minimal energy wastage and maximum energy performance.

It is worth remembering that Part L of the Building Regulations 2013 set minimum thermal efficiency levels of 90% for natural and 92% for LPG, consequently outlawing non-condensing gas fired water heaters for use in new build projects.

Rinnai units and systems are now the number one choice for large buildings and businesses with a heavy demand for constant hot water or where high peaks of demand occur at certain times. Any number of modules can be manifolded, so the water handling capacity is truly infinite and there is no risk of the 'cascade' of hot water ever running out.

The manifolded 1200i units can be delivered direct to site in one complete, easy to manage package and at a very competitive price. For the end user this guarantees considerable cost savings over other forms of hot water generation. The relatively compact footprint of all Rinnai units and systems means it can optimise plant room space and safeguard accessibility for maintenance and servicing.

There is huge potential for on-demand style water heaters such as the Rinnai HDC 1200i units to play their part in new build and in refurbishments where there are still many old systems that need replacing as well as old-style gravity fed water systems that use stored hot water.

The Rinnai Infinity HDC 1200i has lower greenhouse emissions because of the new reduced NOx burner technology.

As Clifton Park Hospital has a secondary flow and return system, complete range modulation is experienced ensuring that the system is running at optimum performance at all times.

**for more information visit  
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# INFINITY 1600 LOW-NOX UNITS & SYSTEMS MAKING ECONOMIC SENSE FOR COMMERCIAL & DOMESTIC SITES

Rinnai, the UK's leading manufacturer of the ErP A-rated Infinity range of continuous flow condensing gas fired water heaters, delivers the most energy efficient range of low-NOx hot water heating units currently available to the UK end user.

The company's low-NOx Infinity HDC 1600e external wall mounted unit (together with the interior HDC 1600i version) utilises Rinnai's patented pre-mix burner technology with a 14-1 turn down ratio – the largest on the market – of 58.4kw-4.05kw and is extremely quiet in operation.

Integral controls on the units enable the water heater to achieve high efficiencies whether locally or integrated into a building management system. In reducing Legionella proliferation, Rinnai has developed additional 'SMART' controls for secondary return DHW systems in the form of an advanced temperature control system which allows for safe running of water at 42°C core temperature during the day and 60°C when a building is closed. By the time the building reopens, core temperature is 42°C for safe use.

Another Rinnai innovation addresses an age-old industry problem with hot water delivery - lime scale build-up. The company's integrated scale control system is an innovative solution and comes in the form of an LC (lime check) code on the display of the controller.



The system helps to ensure the performance and efficiency of Rinnai's 1600, and, all of its continuous flow water heaters installed in hard water areas. Almost all water-fed appliances, including plate heat exchangers, boilers and water heaters will, over time accumulate scale deposits in hard water areas.

Ultimately, ongoing use with hard water may shorten the lifespan of conventional water heating appliances and systems. To safeguard against this Rinnai units continually self-monitor for lime scale deposits around the heat exchanger. If a lime scale build-up is identified, a message is sent to the built-in interface panel on the front of the appliance. The message is displayed as 'LC', which alerts the end user to contact a Rinnai service agent to perform a lime scale flush to clear the potentially harmful deposits. This avoids and eliminates the

adverse effects associated with lime scale build up, including lower energy efficiencies and potential product de-generation.

The industry uptake on Rinnai's series of low-NOx high efficiency products is that continuous flow heater systems are proven to be more energy efficient than conventional storage systems and are increasingly the experts' preferred method of hot water provision. Rinnai units easily cater for any size projects that need high volumes of water at intermittent times of day.

The Rinnai Infinity 1600e/i offers condensing technology with up to 107% gross efficiency, ultra-low-NOx of less than 20 ppm, a widely expansive modulation range of 54kW-4kW and high flow rates of 37ltr/min. Add to these benefits are the peace of mind of an extended warranty, a top A-rating exceeding the demands of eco-labelling legislation, the flexibility of external wall mounting and delivery to site with all relevant accessories and the knowledge that the HDC1600 is future-proofed against future regulatory and legislative changes.



For more information on the RINNAI product range visit [www.rinnaiuk.com](http://www.rinnaiuk.com)



# BUILDING COMPLEX AT FITZROY PLACE, LONDON

: GIRA

Gira, one of the worlds leading full-range suppliers of intelligent system solutions for building management, is pleased to be involved with a prestigious building complex at Fitzroy Place, London.

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The Gira KNX system is an intelligent solution for networking and controlling building technology. Due to the targeted linking of devices and functions in accordance with the KNX standard, both living and working have not only become more convenient and secure, but also more energy-efficient and economical.

#### The KNX system in detail

- Easy operation due to the user-friendly operating devices for the KNX system
- Convenient control while on the move
- Greater convenience, security and value due to intelligent networking
- Diverse expansion options due to the use of the Gira HomeServer
- Expandable system with a future-proof standard

The Gira KNX system enables the seamless integration of different devices and functions. In this way, lighting, blinds and heating can be bundled onto one line and coordinated with ease, as can multimedia, security and door communication systems. This intelligent networking automates the processes and ensures even more convenient living and working. Controlling all the functions is child's play with user-friendly control devices. Switches, controllers and sensors enable a single room to be adapted at the touch of a button and specific room settings to be saved.

Operation via the Gira Control 9 KNX or the control devices for the Gira HomeServer is even more convenient. The award-winning interface from Gira is clearly designed and intuitive. Any function can be reached within two levels. With the Gira HomeServer/FacilityServer app, all the building technology can be conveniently operated within a KNX system from any room or while on the move – using a smartphone, tablet or PC.



#### - GIRA HOMESERVER

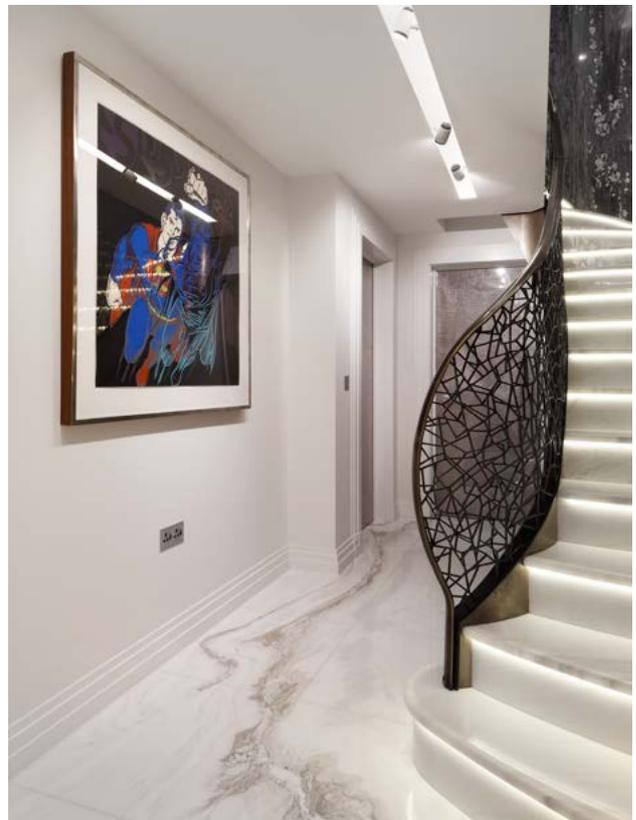
The on-board computer for intelligent buildings.

The Gira HomeServer is the on-board computer for intelligent buildings. It connects the KNX system's electrical installation to the computer network and the internet, thereby allowing intelligent building technology to be controlled centrally via a large number of control devices, regardless of the user's location. What's more, numerous other technologies can be seamlessly integrated in the building control in this way – for example: door intercoms, cameras, and audio systems, as well as systems from other manufacturers for the bathroom or kitchen or for home entertainment.

Expanding the KNX system with the Gira HomeServer offers numerous advantages: Occupants don't just enjoy the advantages of mobile technology control, but rather the full Gira experience with maximum convenience, security and energy efficiency. The award-winning Gira Interface makes controlling intelligent technology enjoyable by enabling complex scenarios to be controlled easily – with just one finger.

- Simple operation with the Gira Interface
- More security in everyday life and dangerous situations
- High system flexibility through the client-server model
- More convenience thanks to intelligent networking
- Improved energy efficiency

With the Gira Interface, the user interface of the Gira HomeServer, controlling innovative building technology is child's play. The Gira Interface has already won several awards for its exceptional user friendliness.



THE GIRA KNX SYSTEM ENABLES THE SEAMLESS INTEGRATION OF DIFFERENT DEVICES AND FUNCTIONS

## THE GIRA TOUCH SENSOR 3 ALLOWS MANY INTELLIGENT BUILDING TECHNOLOGY FUNCTIONS TO BE CONVENIENTLY CONTROLLED AT THE PRESS OF A BUTTON.

The menu navigation is clearly designed and works intuitively: Any function can be reached within only two levels. Additional information or operating elements are displayed directly in a pop-up window. This allows very convenient operation via touch screen display control.

In addition, all the devices that can be used to control the building via the Gira HomeServer/FacilityServer feature a uniformly structured interface design. As a result, users don't need to constantly adapt to new menu navigation – regardless of whether they're using a Gira Control Client, PC, tablet or smartphone. The user interface has been adapted to the particular screen sizes of the individual end devices for optimum usability. This allows complex scenarios to be controlled easily – anytime and anywhere.

### - GIRA TOUCH SENSORS

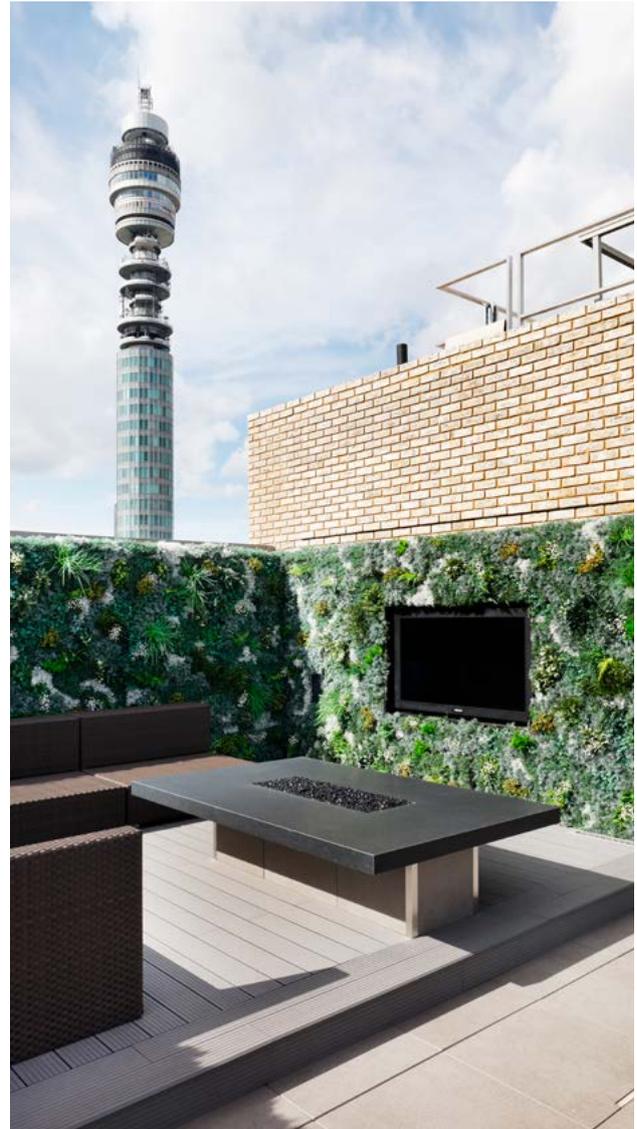
The Gira touch sensor 3 allows many intelligent building technology functions to be conveniently controlled at the press of a button: It's possible to switch the light on, dim it, raise or lower blinds, save or call up light scenes, and much more. And in the process, its operation adapts to the occupants' needs. The Gira touch sensor 3 is available in three models: Basis, Komfort and Plus.

**Touch sensor 3 Basis:** The Gira touch sensor 3 Basis enables convenient control of the most important basic functions of intelligent building technology: switching, dimming, blind control, and encoder and scene auxiliary unit functions. And in the process, its operation adapts to the occupants' needs. If functions ever change, the button assignment can be easily reprogrammed. The number of saved functions depends on the number of buttons.

Each button has two red LEDs for status display and can be operated on the left, right and centrally, depending on the setting and variant. To ensure a clear functional overview, each button can be inscribed individually. In all transparent rocker sets, the inscription space features discreet backlighting, meaning that the touch sensor 3 Basis is also easy to operate in the dark.

- Huge design diversity
- Everything under control with the central 1-way switch
- Flexible installation thanks to modular design
- Two red status LEDs per operating surface
- Safeguarded from disassembly through screw-fastening
- Central operation of several functions
- Increased security with panic switch function
- Individual inscription service
- Illuminated inscription space
- Including neutral inscription labels

**Touch sensor 3 Komfort:** The Gira touch sensor 3 Komfort is particularly convenient for controlling complex functions. Compared to the Basis model, it offers even more operating convenience with its comprehensive, practical software functions, including a multi-coloured LED status display in green, red and



blue for more complex applications and an integrated temperature sensor for measuring and forwarding the local temperature. The number of saved functions depends on the number of buttons on the selected model. Each button has two LEDs for status display and can be operated on the left, right and centrally, depending on the setting and variant. To ensure a clear functional overview, each button can be inscribed individually. In all transparent rocker sets, the inscription space features discreet backlighting so that the touch sensor 3 Komfort is also easy to operate in the dark. The Gira touch sensor 3 Komfort flexibly adapts to the needs of occupants. If they want to change the saved functions, the button assignment can be easily reprogrammed.

- Huge design diversity
- Everything is under control with the central 1-way switch
- Flexible installation thanks to modular design
- Multicoloured status LEDs
- Integrated temperature sensor
- Illuminated inscription space
- Including neutral inscription labels
- Central operation of several functions
- Increased security with panic switch function
- Individual inscription service
- Prioritised status feedback
- Two status LEDs per operating surface
- Safeguarded from disassembly through screw-fastening

Touch sensor 3 Plus: The Gira touch sensor 3 Plus guarantees a high level of convenience when it comes to operating numerous KNX functions. In addition to an integrated temperature sensor to measure the local temperature, it also features a controller for direct room temperature control. An external temperature sensor can also be connected if desired. The touch sensor 3 Plus also features a graphic display. It is used to clearly display temperature values, the controller status and messages received via the KNX system. A particularly large number of functions can be controlled via the Gira touch sensor 3 Plus.

The quantity depends on the number of buttons on the selected model. Each button has two LEDs for status display and can be operated on the left, right and centrally, depending on the setting and variant. To ensure a clear functional overview, each button can be inscribed individually. In all transparent rocker sets, the inscription space features discreet backlighting so that the touch sensor 3 Plus is also easy to operate in the dark. The Gira touch sensor 3 Plus flexibly adapts to the needs of a household. The button assignment can be easily reprogrammed if users want to change the saved functions.

- Huge design diversity
- Everything under control with the central 1-way switch
- Flexible installation thanks to modular design
- Multicoloured status LEDs
- Integrated temperature sensor and controller
- White operating LED
- Safeguarded from disassembly through screw-fastening
- Central operation of several functions
- Increased security with panic switch function
- Individual inscription service
- Clear graphic display

- Two status LEDs per operating surface
- Illuminated inscription space
- Including neutral inscription labels

- Gira E22 design line - Protrudes from the wall by only 3 mm and can be installed flat on the wall in 1-gang to 4-gang frames. 1-gang to 5-gang frames can be used for mounting in a 58 mm flush-mounted device box.

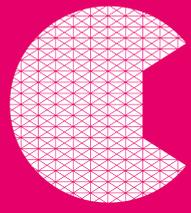
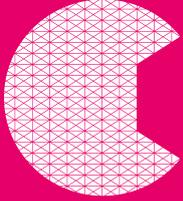
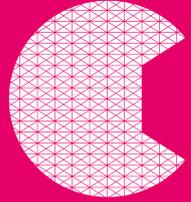
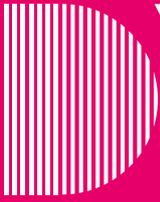
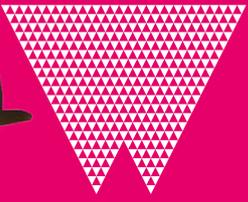
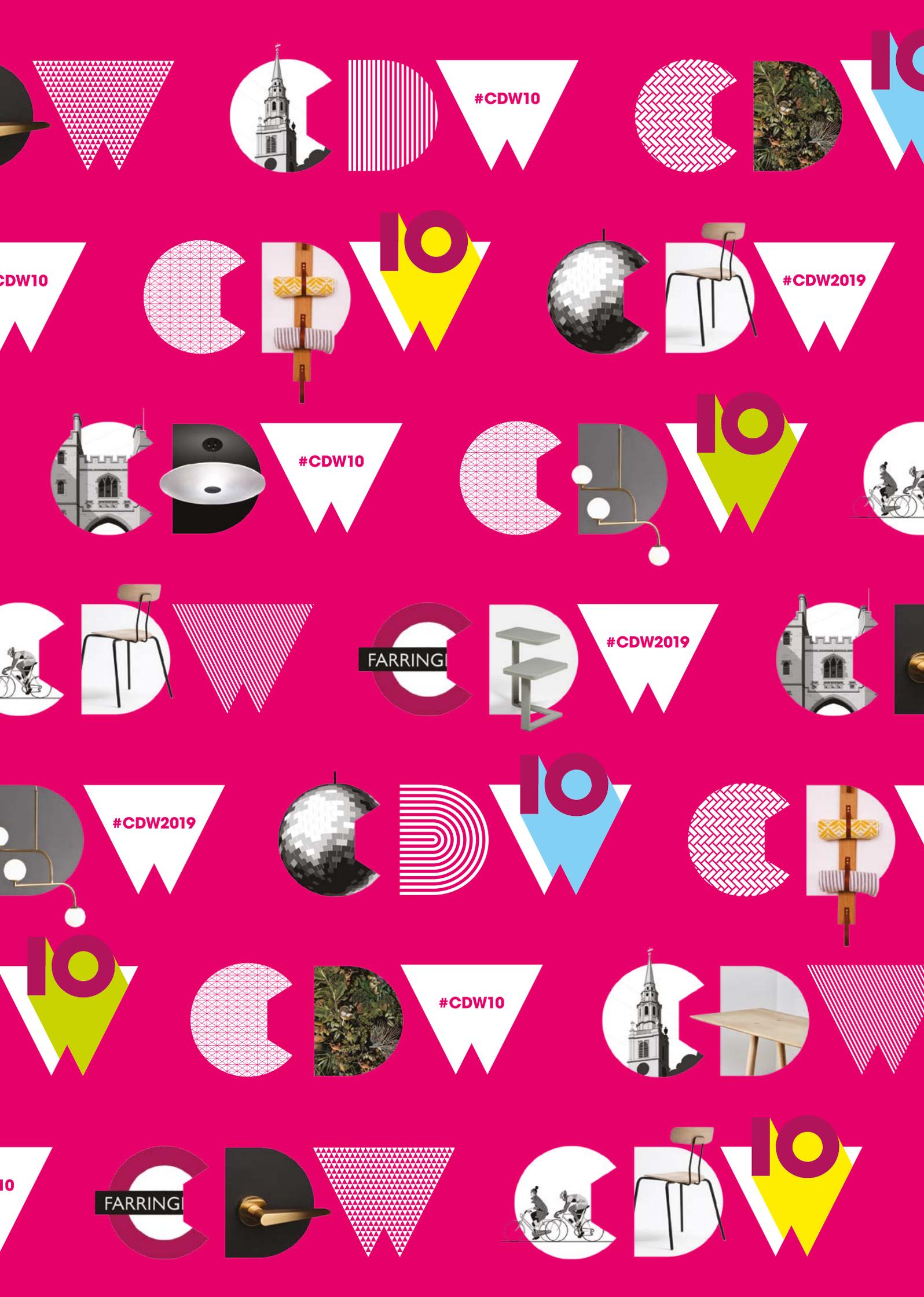
In addition to conventional flush-mounted installation, the Gira E22 design line offers the option of an installation procedure that results in a frame protruding by only 3 mm when installed on the wall. Gira E22 is available in the three materials: stainless steel, aluminium and thermoplastic [pure white glossy].

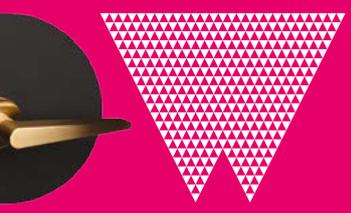
This enables switches to be fitted with a uniform design while at the same time differentiating them by value, e.g. with a stainless steel version in prominent or distinguished areas and thermoplastic in basic rooms.

Extensive range: The Gira E22 is able to meet the exacting demands of intelligent building technology thanks to its great depth of range. The design line includes over 280 functions for all mounting types. Most of these functions can be installed flush with the frame in all three materials [1]. However, some exceptions cannot be installed flush with the frame due to their design [2]. These include elements such as the hygrostat, wireless room temperature sensor, Info Display, and the surface-mounted home station from the Gira door communication system.

[www.gira.com/uk](http://www.gira.com/uk)







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Reception Upholstery



Indoor Seating Areas

## Foam cushions for commercial seating

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# “THIS IS YOUR CAPTAIN SPEAKING” – CAN YOU HEAR ME?

Situated at the end of Stansted Airport runway is a new College which opened in September 2018. An association was developed with Manchester Airport Group over a period of 5 years to secure the acre of land and get their buy-in for the proposed college. Funds were raised via a joint venture to build the college; two £3.5million grants from the South East Local Enterprise Partnership (SELEP) Local Growth Fund and Essex County Council, as well as a £300,000 grant by Uttlesford District Council and a £50,000 funding contribution from the Savoy Trust.

Stansted Airport College is the first on-site education facility of its kind at any major UK airport, designed by Pascall+Watson and built by Willmott Dixon. Courses are offered for students, who are looking for a career in the aviation and related industries. Acoustic consultant Cole Jarman Associates was employed to make recommendations, to create a quiet and comfortable learning environment.

Selectaglaze was approached to help provide a solution with secondary glazing. Acoustic tests have shown that Selectaglaze secondary glazing can provide a 45dB reduction if set 200mm from a single glazed primary window with 6mm glass. Based on this, if used in conjunction with high performance primary windows, then the dB rating requirements would be met.

Selectaglaze installed 32 units with their Series 10 2 and 3



pane horizontal sliders and a Series 41 casement door. All were installed with a cavity of 200mm and tightly sealed.

Not only have the staff and students already seen the enormous acoustic benefit of the secondary glazing, but they should also gain from thermal insulation it provides and the added security. Established in 1966 and Royal Warrant Holder since 2004, Selectaglaze has a wealth of experience working on many building types, from new build to Grade I Listed buildings.

**For further information, please contact Selectaglaze on 01727 837271/e mail: [enquiries@selectaglaze.co.uk](mailto:enquiries@selectaglaze.co.uk) or visit: [www.selectaglaze.co.uk](http://www.selectaglaze.co.uk)**

## SALICE AND MICHAEL FARRELL FURNITURE ARE THE PERFECT PARTNERS

Salice UK are delighted to have teamed up with Michael Farrell Furniture, supplying their Eclipse pocket door system for installation within their kitchen ranges.

Michael Farrell Furniture is a family business established in 1979 committed to the design, manufacture and installation of the highest quality custom kitchens and furniture. Michael started making one-off kitchens and custom furniture from a small workshop and since then the company has grown steadily in size but has retained Michael's original values of quality, integrity and personal service. In 2013 they opened their first public showroom in Wexford in Ireland, displaying a sample of the quality of craftsmanship that they have built their reputation upon.

Michael Farrell Furniture had total confidence in choosing Salice's Eclipse pocket door system, as they were aware that it is the premier system available today. Designed to optimise space in a host of applications from larder units for kitchens, to hide away appliances like washing machines, freezers or even sinks, Eclipse is suitable for individual door weights up to 30kg



and offers versatility and performance combined with movement that features soft opening and closing, cam-assisted opening action and cushion door insertion. Furthermore, Eclipse can be installed, adjusted and inspected in situ, as all three movements are adjusted from the front of the cabinet in a simple, intuitive way. If so required, the complete mechanism can be removed from the front without dismantling the cabinet side.

David Farrell, Managing Director of Michael Farrell Furniture commented, "We have built our reputation on supplying our customers with perfectly crafted kitchens, which combine traditional craftsmanship with the latest technical advancements. The Eclipse system is a superb example of Salice's vision to develop products that are both functional whilst being beautifully stylish.

**For further information on the SALICE product range please telephone 01480 413831 or visit Salice online at [www.saliceuk.co.uk](http://www.saliceuk.co.uk)**

# Stunningly Panoramic



Panoramic Tallinn in white

**PANORAMIC** The Perfect synthesis of technological excellence and original design, the Panoramic is a luxury. State of the art wood burner that takes the fireplace from its usual position in the wall and brings it out into the room. Thanks to a frameless glass screen, Panoramic fireplaces offer an unobstructed 360° view of the fire with its beautiful hand finished majolica cladding available in a range of colours. Creating a spectacular focal point for any large modern space, each Panoramic fire is solid and durable with flawless combustion which allows the air flow to be calibrated to ensure low emissions and clean glass. Other special features include electronically operated glass panes to facilitate refuelling with special sensors to ensure safety during opening and closing. With a range of unique styles, the Panoramic collection is exclusively available from Robeys and selected retail stores throughout the UK and Ireland, where they are impressively displayed.

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# THE SURFACE WITH A 'WOW FACTOR'

James Latham is now offering SERICA, the latest addition to its exclusive, inspirational collection of AE Core decors.

AE Core is the innovative thermoplastic laminate, an alternative to conventional decorative materials which has been created specifically for the world of architecture and design.

AE Core's flexibility means that it is easy to cut and will flex and form curves with very little resistance, plus, it can be post formed without specialist machinery.

Designed and manufactured in Italy by Alfatherm, the SERICA surface offers a warm, silky finish giving a real "WOW" effect both to the touch and the eye.

The on-trend, contemporary colour palette incorporates solid colour right through to the core, so there are no unsightly joint lines and as well as being extremely durable, it is also water resistant and flame retardant.

Encompassing both anti-scratch and thermal healing technology, this super-matt, low-light reflectivity material is also anti-fingerprint and in the case of micro-scratches, SERICA can be easily repaired by simply using an iron or hair dryer to renovate the surface. (see the SERICA video at: [www.lathamtimber.co.uk](http://www.lathamtimber.co.uk))

Because of the thermoformability of its polymeric foils, SERICA offers greater freedom of design, both in terms of surfaces (colour and printed decoration) as well as in a three-dimensional sense.

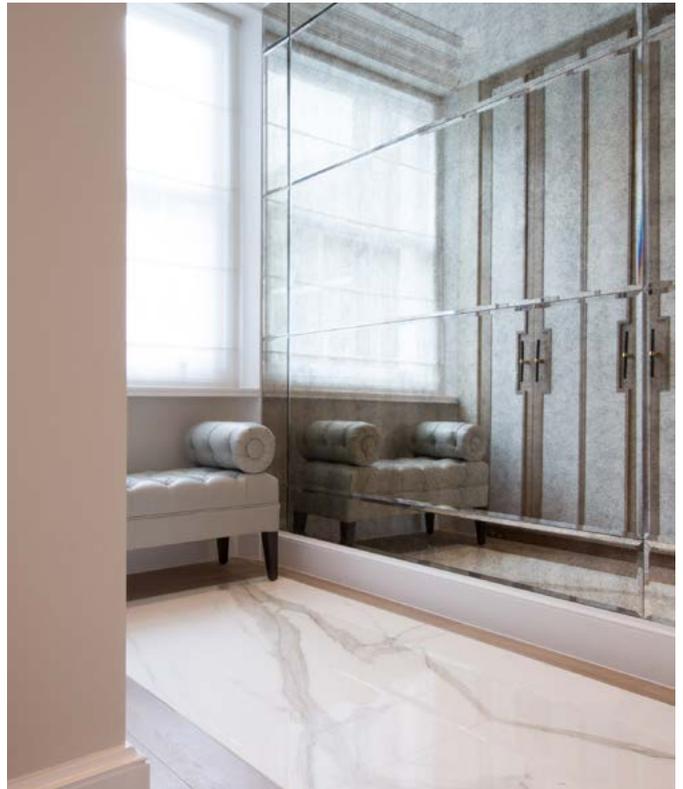
Alongside the SERICA collection, the stock range also includes wood grain finishes featuring Alfatherm's pioneering and innovative EIR (Embossed-in-register) technology, bringing a reproduction closer to the look and feel of "real wood", making them a perfect solution for kitchen doors and draw fronts, bathroom furniture, bedroom doors, living room furniture and even passage doors.

Designed to cover all types of furnishings in the home, office and retail environments, it is also an excellent choice for exhibition contractors, plus the hospitality and healthcare sectors where a tougher surface material is often required.

The AE Core portfolio consists of 22 stock decors, 18 of which are in the SERICA surface finish, in a sheet size of 3050mm x 1300mm x 0.8mm.

For more information on this fantastic product and to order samples contact your local James Latham depot now.

**0116 257 3415**  
**[marketing@lathams.co.uk](mailto:marketing@lathams.co.uk)**  
**[www.lathamtimber.co.uk](http://www.lathamtimber.co.uk)**





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# WONDERWOODS WINS MIPIM FUTURE **PROJECT** **OF THE YEAR 2019**

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◦ MVSA ARCHITECTS + STEFANO BOERI ARCHITETTI

Wonderwoods, twin 90-meter towers in Utrecht (Netherlands) including a hectare of vertical woodland, has been crowned the Overall Winner at MIPIM/The Architectural Review Future Project Awards 2019.

Wonderwoods, designed by MVSA Architects + Stefano Boeri Architetti and developed for client G&S Vastgoed, provides a balance between nature and the city, enclosing a mix of homes, offices and public facilities in a living green façade which will absorb 5.4 tonnes of CO<sub>2</sub> per year.

Wonderwoods is one of several biodiverse projects to win at the 2019 awards, as architects from around the world took inspiration from nature in creating the residential and commercial buildings of the future. Several of the concepts celebrated across the 16 award categories seek to help nature flourish in the city and restore our ability to connect with the natural world as our planet undergoes the largest wave of urban growth in history.

SuzHou High Gardens, in Suzhou, China, was named winner in the Big Urban Infrastructure category. Designed by architecture firm One Design for the client Suzhou New District Urban Planning Bureau, the project features a series of modular and adaptable gardens that form connecting lines and a continuous series of enjoyable green spaces between SuzHou’s urban blocks.

Integrated Hub, the winner of the Big Urban Projects category, designed by architect Andrew Bromberg at Aedas, is a concept for South East Asia, that blends office, retail and civic uses including a sports centre, immersed in a lush, landscaped urban park.

Tropicalia, a concept for the world’s largest tropical greenhouse in Côte d’Opale, France, was named the winner of the Hotel and Leisure category. Designed by Coldefy & Associés, the ambitious environmentally friendly 20 000m2 ‘double-dome’ encompasses a tropical forest, an 82-foot-high waterfall, a pool for Amazonian fish, and a long walking trail as well as a modern auditorium, restaurant, a lodge and a laboratory facility.

St Pauli, the winner of the Office category, designed by Blauraum Architekten for the city of Hamburg in Germany, includes several conservatories and double facades filled with flora and living walls to create buffer zones for the internal climate as well as terraces, staircases and planting.

Aqualuna, the winner of the Residential category is designed by 3XN Architects for the client Tridel and Hines in Toronto, Canada. The residential design features townhouses that animate the public realm and with lively green roofscapes and stepping terraces, providing generous greenery and trees which extend residential life outwards.



Sadra Civic Center



Integrated Hub



Stockholm Loop

**WONDERWOODS IS A PROPOSITION THAT BRINGS GREENERY AND NATURE TO THE HEART OF THE CITY**

## IN BRINGING BIODIVERSITY TO THE CITY CENTRE IT AIMS TO BECOME THE CENTRE PIECE OF A HEALTHY URBAN QUARTER.

Taikoo Li Qiantan, the winner of the Shopping category, designed by 5+design for Swire Properties for the city of Shanghai, China, spans 60,000 square meters of prime riverfront property.

It aims to contrast to the dense high-rises that populate much of Shanghai and is distinguished by a spacious central park, in addition to the lush ribbons of green space that flow throughout the project and outward towards the river's edge, seeking harmony with the landscape.

The judging panel commented: "Wonderwoods is a proposition that brings greenery and nature to the heart of the city, in this case Utrecht in the Netherlands, a confluence of roads, railways and water routes.

"In bringing biodiversity to the city centre it aims to become the centre piece of a healthy urban quarter. One tower, designed by Stefano Boeri treats nature as an essential element in architecture. The other by MVSA is more extrovert, forging connections between nature on the inside and outside of the building."

The complete list of category and prize winners for MIPIM/ The Architectural Review Future Project Awards 2019 are:

### OVERALL WINNER

Future Project of the Year: Wonderwoods, Utrecht, The Netherlands, by MVSA Architects + Stefano Boeri Architetti

### CATEGORIES WINNERS

Mixed Use: Wonderwoods, Utrecht, The Netherlands by MVSA Architects + Stefano Boeri Architetti

Big Urban Infrastructure: Suzhou High Gardens, Suzhou, China by One Design

Big Urban Projects: Integrated Hub, South East Asia by Andrew Bromberg at Aedas

Civic & Community: Sadra Civic Center, Sadra New Town, Fars Province, Iran by Nextoffice

Cultural Regeneration: Oslo Aquarium, Oslo, Norway by Haptic Architects with Rodeo

Hotel & Leisure: Tropicalia, Côte d'Opale, France by Coldefy & Associés

Jeu D'Esprit Winner: Floating Bridge, Boston, USA, by Paul Lukez Architecture

Offices: St Pauli, Hamburg, Germany by Blauraum Architekten

Old & New: Fenix I, Rotterdam, The Netherlands by Mei architects and planners

Regeneration & Masterplanning: Stockholm Loop, Stockholm, Sweden by Belatchew Arkitekt

Residential: Aqualuna, Toronto, Canada by 3XN Architects

Shopping: Taikoo Li Qiantan, Shanghai, China by 5+design

Sport & Stadiums: Lo Barnechea Public Swimming Pool, Santiago de Chile, Chile by GONZALO MARDONES ARQUITECTO

Sustainability Prize: The Arbour, Toronto, Canada by Moriyama & Teshima Architects with Acton Ostry Architects

Tall Buildings: 505 George Street, Sydney, Australia, by Ingenhoven Architects + Architectus



Tropicalia



Suzhou High Gardens



505 George Street

# SURESETS SPECTRUM RECYCLED GLASS PAVING RANGE

SureSet Permeable Paving have recently sourced a new supplier for their recycled glass, meaning they can now offer an even wider variety of bespoke colours to suit even the wildest playground and creative paving designs.

Their new supplier recycles glass culled from old TV Screens, which goes through a low-energy production process and provides a beautiful result of tumbled clear glass approximately 3mm in aggregate size. With the innovative colour coating process which has been developed in-house, this allows SureSet to produce a huge range of vibrant colours, just perfect for creating shapes and patterns in your paved areas.

Because SureSet colour recycled glass in-house, they can also produce bespoke colour blends for ultimate design creativity; ideal for reproducing logos, themes and images. If you are looking for a colour that isn't included in the standard range please get in touch. The SureSet Technical Team will blend colours to meet your aesthetic and durability needs and send samples for approval.

As well as offering full installations of even the most technical of designs, SureSet also offer their Spectrum coloured glass range in supply only TradePacks and as a loose glass product.

As with any SureSet product, the Spectrum range comes with a 21 year guarantee that covers against loose stone, oil damage, UV degradation, colour change, frost damage and workmanship



defects leaving a surface that is smooth, durable, permeable, colourful and attractive.

**For more information on SureSets Spectrum recycled glass, and all of their recycled product ranges please check out their website, and also be sure to check out the previous case studies showcasing the design possibilities of SureSet Resin Bound Paving.**



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# JUST ARTIFICIAL

## PLANTS, TREES & FLOWERS

Established in 2004, Just Artificial have many years' experience as one of the UK's leading suppliers of high quality artificial plants, trees, silk flowers and related accessories, which they offer at competitive prices.

They have a range of fantastic options which will set your space apart from the rest, allowing you to create an indoor Eden. Their products are highly realistic, durable, and designed with particular care and attention by our master craftsmen, all of whom are experts in their field.

### WHAT DO THEY SELL?

The range is always growing, supporting current modern trends as well as traditional needs, for indoor and outdoor use, tailored to complement any house, home office, or business.

Just Artificial offer a complete product range for both domestic and business solutions including silk flowers and display arrangements, artificial plants, replica trees, topiary, plant and tree displays in a planter ready to go, hedges, fruit & veg, hanging baskets, Ivy trails and garlands, synthetic lawn grass and AstroTurf, planters & troughs, Christmas Trees and decorations etc.

### SOURCING AND MANUFACTURING

They can usually source what you need even if they don't already list it. If you require a large enough quantity and your project timescale and budget fit (4-6 months or so) we can even get products manufactured to your specifications from scratch.



Summer/Winter Pansy  
Ball Hanging Basket

### WHO DO THEY SELL TO?

Practically anyone anywhere? Just Artificial handle large, bespoke bulk orders for refurbishments and refits on behalf of specification buyers, procurement management, architects, interior designers, and garden landscapers but also handle small one-off orders from the general public.

### WHO HAVE THEY SUPPLIED?

Major companies in many industries including ITV, BBC, Channels 4 and 5, Mulberry, Innocent Drinks, Monsoon, Bella

Italia, Tesco's, Big Brother, The Only Way is Essex, Coronation Street, Dancing on Ice, Park Resorts, Volkswagen, and more. They've also sold to house builders, zoos, hotels, restaurants, shopping centres, theme parks, colleges and schools, cruise ships, theatres... the list goes on!

For procurement managers and corporate buyers we can provide quotes and advice for bulk orders and trade, to help bring your design to life - contact Just Artificial today!

[www.justartificial.co.uk/ARCH](http://www.justartificial.co.uk/ARCH)



Large Silk Hydrangeas



Areca Palm Tree in planter



Grass in Sand Plant



Bespoke 5m  
Ficus Tree IFR

## ARTIFICIAL PLANTS & TREES FOR BUSINESSES

At Just Artificial, we work with interior designers, decorators, set dressers, architects and more to set your premises apart from the rest. Our artificial plants, flowers, and trees are highly realistic to look and touch, as well as being durable and attractive.



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## MILLBOARD

Hand-moulded from natural timbers, Millboard decking is indistinguishable from real wood but outperforms it on every level. Unlike conventional composite boards, Millboard decking resists the elements and requires minimal maintenance. Millboard is slip resistant and will not rot or warp like timber.



The mould masters for the entire line have been carefully sourced. The Weathered Oak range, for example, has been moulded from 100-year-old French railway carriage planks. This selection imbues the finished product with a satisfying provenance and an immediate aged appearance for a perfect, lived-in finish. Each length is carefully hand-coloured each in the incredibly true-to-life tonal shades that are Millboard's signature feature.



When you install Millboard decking, it's not just a beautiful outdoor space you are investing in; you are also investing in a low-carbon material. Millboard is focused on continued sustainability and is the first premium outdoor flooring company in the world to have its carbon footprint independently verified and UKAS accredited to the international Carbon Footprint Assurance Mark.

[www.millboard.co.uk](http://www.millboard.co.uk)  
024 7643 9943  
[enquiries@millboard.co.uk](mailto:enquiries@millboard.co.uk)

## NEW 'HERO' FURNITURE RANGE OFFERS STYLE, FUNCTION AND SUSTAINABILITY FOR ALL SEASONS

Plaswood has launched a range of picnic tables called 'Hero' that twin style with sustainability to help transform external spaces with elegant but durable statement furniture.

The new, lighter weight range of Plaswood tables is made from 100% recycled plastic and boasts a unique new design that allows for easier assembly with a semi-fabricated option.

The new range reduces manufacturing offcuts waste by a whopping 90% making the furniture even more sustainable whilst providing landscape professionals, local authority specifiers, garden centres, builder's merchant buyers and outdoor hospitality managers with a product that is re-made with the environment in mind.

The range also taps into the rising trend across the UK and mainland Europe for more outdoor entertainment and communal public spaces. The Hero tables maximise flexibility, coming in elegant rectangular or curvaceous circular forms, including playful touches such as activity table tops for children. The series has a clean design ethos and stylish finishing.

The family of furniture includes: an adult and junior size picnic table, activity top tables, a round family size picnic table and a wheelchair access table.

Products made from Plaswood require no annual maintenance, painting or chemical treatment prior to installation or during its long-life time, and does not leach chemicals, rot or splinter. Plaswood



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# NEOLITH<sup>®</sup>'S FLARE FOR FAÇADES

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◦ FLARE OF FRANKFURT

Hadi Teherani is one of the most familiar and respected names in contemporary German architecture and design. His characteristic approach to the medium communicates atmospheric charisma, emotional urgency and an acute awareness of social responsibility and sustainability. All these attributes reflect Teherani's desire to establish a positive dialogue between his buildings and their surrounding environment.

As the architect behind Cologne's globally celebrated Kranhaus, Teherani has a well-deserved reputation for designing audacious structures which fast become landmarks. Always looking to challenge perceptions and expectations, his latest building, a high-end residential and commercial complex named Flare of Frankfurt, is a physical distillation of his aesthetic philosophy.

### AN APPETITE FOR LUXURY

Last year, Frankfurt am Main scored one of the highest ratings in estate agency Knight Frank's benchmark, Prime Global Cities Index. This report highlights the performance of luxury residential prices across the world, with the major business hub recognised as one of the fastest growing areas for luxury property.

Teherani is no stranger to this market, having designed many now iconic residential apartments across the globe. Furthermore, he approached the project with a deep understanding of Frankfurt, especially its urban layout and culture.

In the city's densely populated centre, where space is at a premium, Teherani had to work intelligently to maximise on the client's (Strabag Estates) ambitious brief for an achingly cool, ultra-modern combination of hotel, apartments and commercial space in a single complex.

### AN ORIGINAL CHARACTER

From the outset, the design concept for Flare of Frankfurt had to strike a fine balance between a robust, durable structure and visual appeal. Importantly it also had to relate and respond to

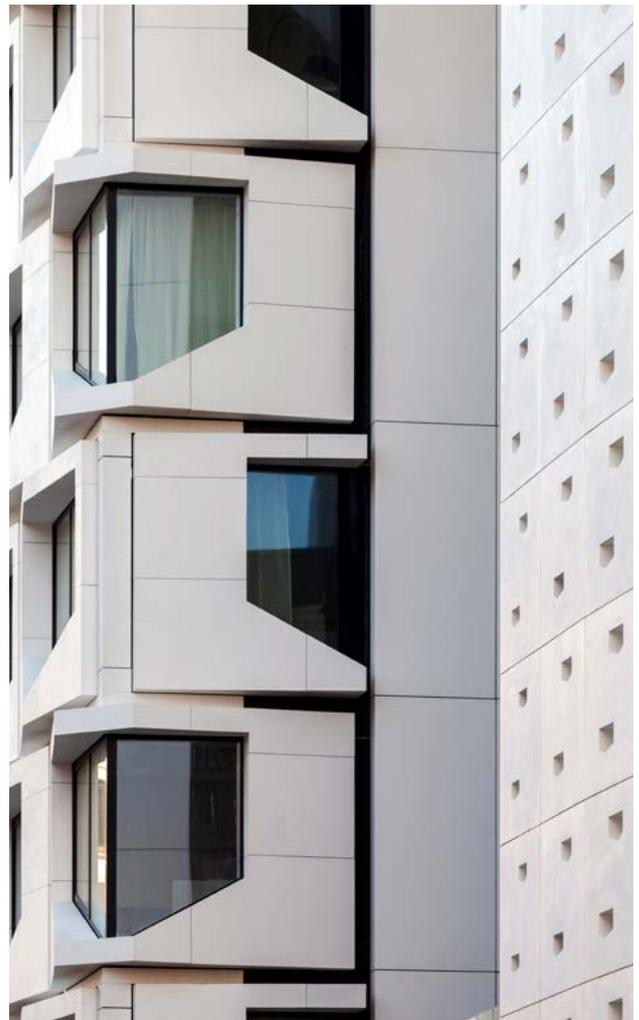
the surrounding buildings, yet be individual enough to stand out from the crowd.

The client was very clear they wanted a building with original exterior design elements to create an eye-catching aesthetic statement. This meant adopting an unusual and alternative approach to Flare's cladding, dispensing with the standard, flat panels which typify many multi-storey buildings.

Teherani applied his signature, holistic approach to façade design with a desire to create something both functional and emotionally appealing.

After drafting a number of different concepts, the architect eventually decided on an angular, three-dimensional design for the façade panels. This would give the building singular points of visual interest, but also complement the area around it.

Crucially, the unconventional and striking structure of the exterior would also serve a practical purpose, with exaggerated overhangs further sheltering individual apartments from the elements.



THE CLIENT WAS VERY CLEAR THEY WANTED A BUILDING WITH ORIGINAL EXTERIOR DESIGN ELEMENTS TO CREATE AN EYE-CATCHING AESTHETIC STATEMENT.

NEOLITH®'S ARCTIC WHITE SILK WAS SPECIFIED AFTER MANY OPTIONS WERE CONSIDERED. TEHERANI FELT OFFERED GREATER SCOPE THAN ANY OF ITS COMPETITORS.

#### MATERIALS MATTER

As has been noted by the media on many occasions, Teherani is fascinated by new materials, recognising their potential for greater creative freedom and flexibility than traditional building products.

For Flare of Frankfurt, he was particularly interested in the properties of Sintered Stone and its suitability for the urban environment. With high levels of resistance to staining and pollution, combined with being both lightweight and waterproof, it was ideal for handling the hustle and bustle of the metropolis. From a style perspective, the architect opted for an understated palette, allowing the façade's raised geometric shapes to stand out without becoming loud and overbearing.

Neolith®'s Arctic White Silk was specified after many options were considered. Teherani felt offered greater scope than any of its competitors.

Furthermore, Germany has a number of strict building codes and regulations which needed to be taken into account. Neolith met all these criteria.

#### EXPERT APPLICATION

Approximately 6000m2 of Neolith slabs were used, cut to size according to the blueprint specifications.

The 6mm thick surface was applied by curtain wall specialists Lithodecor using a sandwich construction.

According to Lithodecor's Head of Product Management, Philipp Wirtz, who worked directly with Teherani to bring his complex ideas for the façade to life, the project was not without its challenges.

He explains, "The high-end façades market is growing rapidly across Europe, with many more developers looking for tailored and bespoke solutions. Flare of Frankfurt is a stand-out example of this trend. It represented a very good test of our skills and abilities. One thing that struck me was the manufacturing of the panels, subsequent transportation to the site and their physical application."

He continues, "This project required a high level of prefabrication due to the specification of the panels we were working with, these were storey sized (3.10m x 11.50m). As such you can imagine the care we had to take to transport them through Frankfurt's busy streets without damaging them. Once there we literally hooked these onto supporting steel beams, a process requiring a high degree of precision, using our own proprietary technique, Lithodecor Airtech System.

"As you can see from the finished structure, we were able to overcome these difficulties to deliver a building with real



character. A fantastic addition to Frankfurt's diverse architecture." He concludes, "In terms of Neolith, there's little competition when working on this type of façade project. It outperforms on all levels and in my opinion, the building will look as good in ten years as it does now."

[www.neolith.com/](http://www.neolith.com/)

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# EASING THE PAIN OF PLASTER IN FITTINGS

LEVELLO EXPLAIN HOW IT'S MODULAR FIXING SYSTEM MAKES PLASTER-IN FITTINGS EASY AND QUICK TO INSTALL, AS WELL AS, EFFORTLESSLY ACCOMMODATING TO ALL CLIENTS CHANGING REQUIREMENTS.

Plaster-in fittings are becoming increasingly popular as more and more customers desire uncluttered ceilings and clean lines. Most plaster-in products are difficult and fiddly to install, also they are limited in their applications. With different sized "cut out's" for each different type of fitting, mistakes are easy to make and constantly changing the hole-saw can be time consuming.

At the heart of what makes Levello different is its patented fixing system, a housing is fitted permanently into the ceiling and different styles of fittings or 'inserts' are placed into the housing and held in by magnets - a front plate completes the flat finish. Levello is versatile, allowing the user to change a downlight, to a pendent, to a spot light or even blank-out the position completely, in seconds. Just decide if the product needs to be fire rated or not and the choice is endless.

## SIMPLE INSTALLATION

The "First Fix" housing is one size for all of Levello's products reducing errors and speeding up the cutting of the holes. Housing installation is simple, drill a 62mm hole, fit the supply cable to the levello connector, push the housing into the hole and pop in the decorator's card. And the ceiling is ready for plastering and painting.

The decorators cards – apart from making the life of the plasterer and painter easier, serves another useful purpose which, is to stop the housing getting filled with plaster and paint. The Levello Painter and Decorator Cards have been specifically designed to grip the inside of the housing, ensuring that they do not fall out during decorating. Levello supplies a plastering and a painting decorators card with each housing and recommends that they are removed when the plaster is green, or the paint is not completely dry - to ensure the perfect finish.

The "Second fix" stage is even easier as all Levello products are supplied with connectors factory-fitted, so second fix is literally "Plug and Play" and its magnetic fixing system means that the "Insert" is simply popped into the housing.

## STUNNING CEILINGS

One of Levello's aims is to make ceilings look beautiful. Modern living requires that many devices; from light fittings to presence detectors, smoke alarms and speakers are fitted into the ceiling. This clutters up the ceiling and makes it almost impossible to achieve the clean, flawless look that architects and designers, often, would like to achieve. Levello has designed all of their products to have as small a visual impact as possible, giving an almost zero sight line.

One of the problems with most ceiling fittings is that the metal or plastic of the fitting ages differently to the paint on the ceiling. After a couple of years, one ends up with a yellowing fitting on



Housing installed      Ready for plastering      After plastering      Ready for painting

the ceiling, which gives an aged appearance to room - especially if it had been re-decorated. To ensure that the desired finish is achieved over the longer term, Levello offer paintable front plates with practically all of their products to ensure that the colour of the visible part of the fitting not only blends in with the ceiling but ages gracefully too.

## CLIENTS CHANGING THEIR MIND

The modular nature of Levello's products means changing client requirements are no longer a problem as the "Insert" can be swapped out in seconds for another type of fitting. For example, if the customer suddenly decides they wish to move the kitchen table to another part of the room; to have their statement pendant light fitting above the table, this can be easily and quickly accommodated and achieved, in less time than it would take to get a ladder.

The Flush range of downlights can cater for almost any installation; the LOW-PROFILE products have been designed for ceiling voids where there is minimal space; the DEEP range are stylish recessed fittings with many different baffle colours to choose from; the DIRECTIONAL products can tilt by 35° and rotate by 360° and are perfect for wall washes or feature lighting. All of the flush range can be IP 65 rated with a minimum of fuss and no visual difference to the other products. There is even the possibility to fit accessories such as honeycomb louvres or filters to reduce glare or create other lighting effects.

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Franklite are also one of the very few decorative and soft commercial lighting companies that has their own photometer and spectrometer and the only UK company which owns a Rigo 801-1500 near-field Goniophotometer – a cutting edge device used for measurement of light emitted from an object at different angles. This investment now enables us to offer complete photometric files compatible with designer's software in ELUMDAT (.ltd) and IESNA (.ies) formats.

Wojciech Müller, Franklites Technical Specialist says 'The Photometer allows us to gather information about the quality and quantity of light being produced by our luminaires. By utilizing this information, we are able to design and produce quality lighting products which also offer excellent energy saving credentials. In recent years lighting technology has evolved at a tremendous pace and with this investment it enables Franklite to lead the field.'

**From hotels to care homes or restaurants to domestic and maybe even your office, see our exciting new range of products for all your lighting requirements at: [www.franklite.net](http://www.franklite.net)**

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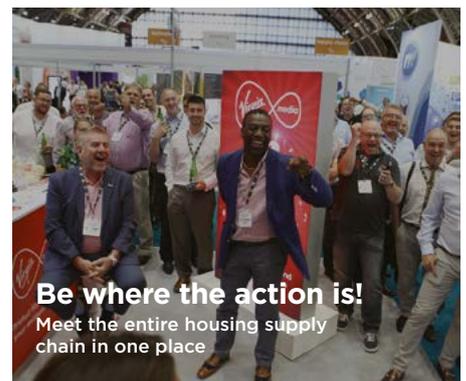
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Due to the increasing demand across the market for systems companies to supply facade products which comply with stringent industry standards, Wintech offer a customer-focussed solution with their WinMark Scheme for the Performance of Curtain Walling & Rainscreen Cladding. The scheme is designed so Curtain Wall or Rainscreen manufacturers can demonstrate compliance with the requirements laid down by the NHBC Chapter 6.9 & more recently Premier Guarantee Technical Manual 7.7.5, which are becoming increasingly common throughout the industry.

Wintech's state of the art testing facility, based in Telford, Shropshire, boasts one of the widest ranges of testing services across the façade industry. With the ability to accommodate 13 large-scale test mock-ups, Wintech can afford flexibility with their testing schedule, ensuring your product is tested to the relevant British and International Standards, including CWCT, BS EN 13830 and AAMA 501-15.

Gary Sherrard, R&D Engineer at Hydro Building Systems UK Limited says of Wintech "The people and level of service Wintech provide are the reason we're regular customers. Whether it's flexible testing dates, or finalising test reports the level of service from start to finish is exactly what Hydro Building Systems UK Limited have come to expect in today's digital environment".



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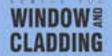


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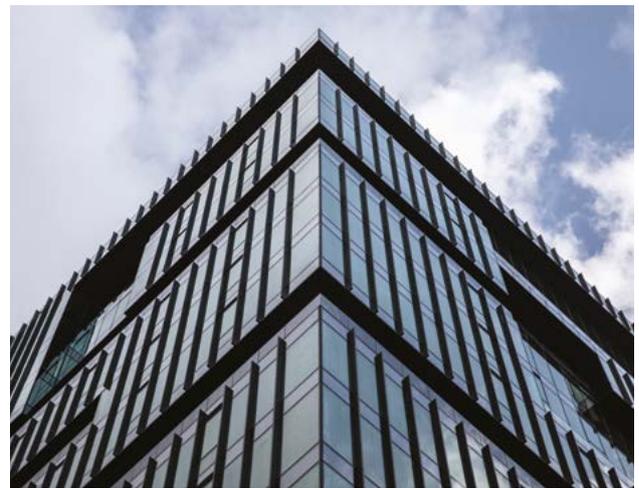


# IMPRESSIVE FAÇADE DESIGN MADE POSSIBLE BY REYNAERS

Reynaers, the leading supplier of sustainable aluminium glass and glazing systems, has showcased the versatility of its unique range of products once again. Specified as part of the Now Bomonti project in Istanbul, the exterior of the building is nearly entirely made of glazing, an impressive feature made possible by Reynaers Aluminium curtain wall systems.

The 30-floor building comprises of a mix of office and residential space, designed by leading Turkish architecture office Tabanlıoğlu Architects as part of the regeneration of the Bomonti neighbourhood. Each section of the building was created with a specific purpose in mind and the finished architecture features similar components stacked on top of each other. For example, while the lower floors were designed as office space and include a higher ceiling to fit within the surrounding topography, the upper floors serve as residential space and are positioned to take advantage of the views of the city.

One of the main priorities when designing the building was to maximise daylight and access to the panoramic views. The form and concept of Now Bomonti presented a unique challenge to achieving that goal, which was addressed by using Reynaers' curtain walling range. The building was encased in an expansive glazing system and custom fritted panels were fitted to complement the construction.



The façade was made possible by a range of Reynaers solutions, including the CW 60 curtain wall for top-of-the-line thermal performance, the CP 155-LS sliding system to guarantee maximum glass area and comfort, the Hi-Finity sliding system that seamlessly extends the building's interior to the outside, as well as the CS 77 door to meet the highest standards of thermal insulation, stability and security.



Working together with local fabricator Aksoy Aluminium, the project totals 14,000 m2 of Reynaers glazed curtain wall installed, featuring both deep vertical caps and curtain walling without caps. Moreover, the building required the installation of 76 custom-designed lift & slide sliding doors as well as 900 m2 of glazed balustrades.

Now Bomonti is a unique construction which aims to stand out from the other developments taking place in the Bomonti neighbourhood, located in the Şişli region of Istanbul in Turkey. The area has a rich history and is named after the 20th century Ottoman beer production workshop which was set up by Swiss brothers Walter and Adolf Bomonti. The neighbourhood is now undergoing significant regeneration work to keep up with the modern direction Istanbul has set for itself.

Conveniently located and boasting green spaces, peaceful tree-lined streets and great transport connections, Bomonti has the recipe to attract a crowd of diverse, active young people. The Now Bomonti building is designed to cater to this audience and integrate both working and living areas in one innovative concept that allows the space to be flexible and adaptable. More specifically, there are nine apartment types available, ranging from studio to family size to address a variety of needs. Similarly, the office space is customisable for either one brand to occupy an entire floor, or alternatively to have the floor divided into individual units.

**Further details are available from: Reynaers Limited, Tel: 0121 421 1999, or email: [reynaersltd@reynaers.com](mailto:reynaersltd@reynaers.com), website: [www.reynaers.co.uk](http://www.reynaers.co.uk).**



# KEMPEROL 2K-PUR TURNS 20

A liquid roofing and waterproofing system, which was the first of its kind to be launched in the UK, has turned 20.

KEMPEROL 2K-PUR, which is manufactured by Kemper System, has retained its unique market position over the last two decades. It remains the only cold liquid-applied wet-on-wet waterproofing product in the UK which is sustainably sourced, solvent-free and completely odourless.

Manufactured using an 80 per cent castor-oil formula derived from sustainable sources, the liquid system bonds directly to the substrate forming a seamless, elastomeric waterproof membrane that cannot delaminate and is UV stable.

Stuart Hicks from Kemper System said: "The 20th anniversary of Kemperol 2K-PUR is a major milestone and demonstrates our forward thinking commitment to innovation, quality and sustainability.



"The system has stood the test of time with a proven 20-year track record and continues to be one of the most popular and sought-after systems for all sorts of projects. Its unique qualities make it ideal for waterproofing buildings where environmental considerations are a priority or for occupied properties when the work has to be carried out without disruption from strong odours."

Kemperol 2K-PUR is applied using a reinforcement fleece, which has recently been upgraded by Kemper System. The new fleece is perforated as part of the production process rather than needle punched post manufacture. This makes it stronger and greatly reduces the formation of air bubbles under the fleece allowing the resin to saturate the fleece more quickly and improving the speed of application.

"As the liquid waterproofing industry continues to grow, it is vital that we keep innovating and providing the highest quality products to meet our customers' demands," continued Stuart. "The launch of the new time-saving fleece keeps Kemperol 2K-PUR ahead of the game and is another major benefit for roofing contractors. Its design enables them to apply the liquid resin very quickly and easily, helping them to work even more efficiently."

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## HELIFIX CONCEALED REPAIRS RESTORE FAILED ARCHES AT LISTED BREWERY

The 170 year old, Grade II listed, Hook Norton Brewery in Oxfordshire, was suffering from internal and external cracking due to the failure of 15 brick arches. This was caused by the decay of internal timbers and movement of the surrounding brickwork.

HeliBars were bonded into mortar beds above each opening, on both the interior and exterior walls, forming masonry beams that reinforced the brickwork, supported the wall above and spread the loads. Other cracks were stitched using single HeliBars bonded across the cracks.

These sympathetic repairs efficiently and economically restored integrity whilst retaining the original materials and aesthetics of this important listed structure.

**For project-specific technical advice about the use of Helifix structural repair systems, contact the Helifix team on 020 8735 5200. Alternatively, go to [www.helifix.co.uk/videos](http://www.helifix.co.uk/videos) to watch installation videos and to download relevant product brochures.**

# INNOVATIVE ANCON REBAR CONNECTORS USED IN ICONIC RUSSIAN SKYSCRAPER

Innovative and quick-to-install reinforcing bar couplers from Ancon replace time-consuming lapped joints and minimise reinforcement congestion in the gigantic concrete superstructure of Europe's tallest building; the 87-floor, 462m high helicoidal Lakhta Tower in St. Petersburg.

The use of Ancon's high-performance mechanical rebar coupling systems also helped maintain build quality. By eliminating lapped joints and hooked bar ends, Ancon's couplers and headed anchors allowed the wet concrete to flow more effectively through the reinforcement grid during casting.

125,000 couplers, a combination of Ancon CXL threaded and MBT bolted systems, are installed in the tower's immense 3.6m thick concrete foundation raft, where 32mm diameter reinforcement is arranged in 15 layers. The raft's construction registered as the Guinness World Record's largest-ever continuous concrete pour at the time.

In the central cylindrical reinforced concrete core of the tower, the innovative Ancon CXL Type B Couplers were used which are rotated from one bar to the next to form the connection; ideal where rotating long, heavy rebars into couplers would prove difficult.

Photo courtesy of Inforceproject



Continuity of reinforcement between the concrete floor slabs and the central core is achieved through rows of Ancon KSN threaded anchors and Ancon CXL Coupler Boxes. Both continuity systems enabled simple plain-faced formwork to be adopted throughout the build.

**Contact Ancon on 0114 275 5224 to discuss the specific requirements of your next reinforced concrete installation or visit [www.ancon.co.uk](http://www.ancon.co.uk) to review the available product range and major project portfolio.**







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Tiga Wood cladding is a bespoke product made to order here at our Stafford factory and sawmill to suit the customers specification, with either a charred and oiled or charred, brushed and oiled finish.

It is coated and sealed with one coat of natural oil which acts as a base and topcoat, the number of coats are dependent on the customers aspirations regarding the longevity of the black colour or whether the cladding is preferred to gradually weather and age-gracefully over the years, if it is the latter no further coats are needed on site after delivery.

The durability of the Larch itself is impressive and it will last 80 years or more in cladding form assuming the usual guidelines for fitting are followed by the installer.







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TIMBER SYSTEMS DIVISION



**1**

**NORSEAL SEALS ARE SAFE AND SOUND FOR SLIDING DOORS**

Finding a solution to the problematic challenge of acoustically sealing sliding doors has now been solved with a range of acoustic seals. The door seal specialist Norseal has created a range of solutions including the feature-packed Complete Sealing System which provides all round smoke and draft protection as well as acoustic insulation for the majority of sliding doors.

The acoustic performance of doors is increasingly in the spotlight for specifiers. Regulations to control noise in the workplace state that employers should consider the design and layout of offices, work stations and rest facilities to reduce noise.

For more information please visit [www.norseal.co.uk](http://www.norseal.co.uk) or contact us on 01661 830088.

**2**

**RINNAI ENHANCES GLOBAL BRANDING WITH NEW LOGO**

Rinnai is introducing a new global logo as the company develops to meet the future. The new logo is a contemporary sans-serif typeface which is heavier but more friendly and gentle.

Since the company's inception just about a century ago, Rinnai has developed products specifically to enrich lifestyles and now has 16 bases around the globe and operations in over 80 countries.

The company is the acknowledged leader in the manufacturer of continuous flow hot water heating units and systems.

FOR MORE INFORMATION VISIT [WWW.RINNAIUK.COM](http://WWW.RINNAIUK.COM)

**3**

**SWA REFURBISHMENT SPECIALIST, ASWS, RETURNS TO COUNTY HALL AFTER TWENTY YEARS**

County Hall on the Southbank of the Thames is one of the capital's most notable buildings, having continued to fulfil many roles since the departure of the GLC; and has twice been the focus for far-reaching restoration work involving one of the Steel Window Association's members. London-based, Associated Steel Window Services (ASWS), specialises in the repair and restoration of steel and other metal windows, including heritage work, a skillset which led to the company being awarded the original contract encompassing the whole of County Hall twenty years ago.

For further information on the Steel Window Association, please visit [www.steel-window-association.co.uk](http://www.steel-window-association.co.uk) or call 020 8543 2841.

**4**

**STREET ARTIST TEAMS UP WITH FORMICA GROUP FOR LIMITED EDITION SURFACING PANELS**

Okuda San Miguel is one of the most prominent contemporary muralists in the world and the first artist to team up with manufacturer Formica Group to create a limited-edition line of laminates. The exclusive designs by the muralist offer a new type of collaboration between art, design and architecture. The collection is called Formica Younique® x Okuda San Miguel and the panels are intended to be the first of many artist collaborations to come.

With more than 20 years of experience, Okuda's work can be found in the public spaces of 80 cities, spanning more than 30 countries. His unique iconographic language, using geometric structures and multi-colored patterns has seen him become one of today's most acclaimed artists.

[www.formica.com](http://www.formica.com)



5

### BALCON™

**Insulated Steel Balcony Connection System** offers easy balcony positioning tolerance with excellent load capacity. Thermal insulation performance to meet part L.

- Designed for your specific balcony to concrete connection.
- Cost-effective, high quality components
- Excellent thermal insulating properties
- Easy to set into position with no need to cut edge shutter
- High load performance with fast installation
- Very low deflection at the connection to the structure
- Now an approved LABC Registered Detail

For more information and advice please contact J&P Building Systems Ltd.

[www.jp-uk.com](http://www.jp-uk.com)

6

### ELECTRIFYING NEW ESSE HAS DOUBLE THE HOB CAPACITY

Innovative new 990 ELX provides extra space and versatility for creative cooks to express themselves ESSE's exciting new 990 ELX electric cooker offers double the hob space to allow creative cooks to take their cooking to the next dimension.

Combining the convenience of electricity with the versatility demanded by professional chefs, the innovative new 990 ELX delivers the proven performance of ESSE's best-selling electric products with the latest cooking innovations.

The all-new hob is designed with the committed foodie in mind, with a large steel hotplate for direct heat cooking alongside a three-zone induction hob that provides instant heat on demand. The 990 ELX is available in a choice of 20 beautiful colours including contemporary Matt finishes. RRP: £7950.

For further details, visit [www.esse.com](http://www.esse.com).

7

### KNAUF DEBATES ROBOTS AND MORE AT CLERKENWELL SHOWROOM

It is predicted that the available labour force within the construction industry could shrink by as much as 25% within a decade. Could embracing robotics in architecture be a solution to an ageing workforce, skills shortage and poor productivity?

Knauf asked a panel of experts to share their views at a lively panel debate earlier this year which included representatives from HAL Robotics, Dataform LAB and AECOM. The panel agreed that offsite construction is where automation will reach its full potential, using robots to complete tasks that are monotonous or dangerous for humans.

Knauf will be exploring these exciting ideas and more throughout the year at their Clerkenwell showroom. Visit <https://www.knauf.co.uk/about-us/knauf-clerkenwell> to be the first to sign up to our events.

8

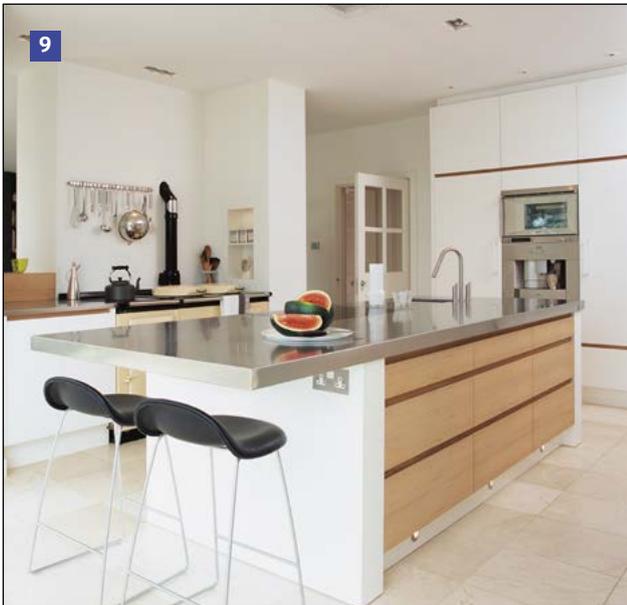
### ISOPRO® AND ISOMAXX®

**Insulated Concrete Balcony Connection Systems** offer the best insulation performance, with higher load capacity and faster installation.

- Cost-effective, high-quality performance components
- Faster installation with no need to tape joints.
- Blank inserts of the same insulation material to optimize design/cost
- Easy to cut to length when needed
- No moisture absorption by the insulation layer to reduce thermal performance.
- Very low deflection at the connection to the structure

For more information and advice please contact J&P Building Systems Ltd.

[www.jp-uk.com](http://www.jp-uk.com)



9



10



11



12

**9**

**STAINLESS STEEL WORKTOPS**

GEC Anderson specialise in custom made stainless steel worktops, in any shape or size, including irregular forms, L-shapes and extra long surfaces. Choose from a wide range of sink sizes that are seamlessly integrated within worktops, in any position and combination. Cutouts for appliances and taps are provided, as required. A choice of edge profiles is available, including lipped and plain edges as well as integral upstands. Top quality brushed satin stainless steel provides a beautiful, long lasting, hygienic and safe worksurface, suitable for commercial, residential and public applications. GEC Anderson also supply a coordinated range of stainless steel cabinets, shelving, doors, panels and splashbacks. A full templating and installation service is also available.

www.gecanderson.co.uk  
+44 (0)1442 826999  
info@gecanderson.co.uk

**10**

**CTD ARCHITECTURAL TILES INTRODUCES DIESEL LIVING COLLECTION**

Inspired by the industrial and metropolitan world, CTD Architectural Tiles introduces the Diesel Living collection to its growing portfolio. Exploring a variety of materials, colours and unique finishes, Diesel Living combines the iconic urban aesthetic associated with the infamous brand with trend-led designs to deliver truly eye-catching tile solutions for contemporary spaces.

Part of the Saint-Gobain family, CTD Architectural Tiles specialises in the supply of high quality ceramic tile finishes and tiling solutions across all sectors in the UK commercial specification market.

CTD Architectural Tiles  
www.ctdarchitecturaltiles.co.uk  
0800 021 4835

**11**

**WARM WELCOME AT THE NATIONAL ARMY MUSEUM**

JS Air Curtains has supplied two Zen air curtains for the recently refurbished National Army Museum in Chelsea, London, to provide a warm welcome to visitors in its reception foyer and gift shop.

The air curtains seal the entrances while the doors are open with an invisible barrier of air, preventing cold air entering in the winter and cool air escaping in the summer. The Zen air curtain was selected to architecturally fit in with the design of the interior and, in the case of the foyer, match the colour of the doorway.

JS Air Curtains, the UK's leading air curtain specialist, supply an extensive range of air curtains for all commercial and industrial applications. You can find out more by visiting the company's website at www.jsaircurtains.com.

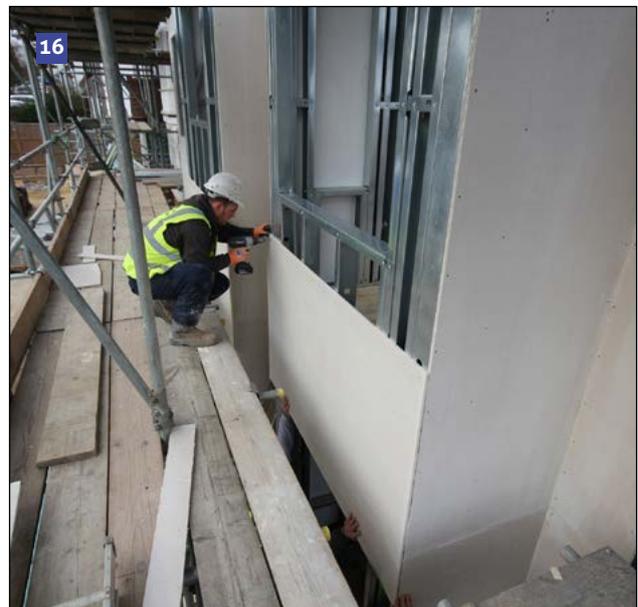
**12**

**OSMO UK EXPANDS RANGE OF WOOD ADHESIVES**

Osmo UK, the eco-friendly wood and finishes specialist, has expanded its range of wood adhesives with a new durable product developed for use in the home. Introducing the D3 Express Wood Adhesive, a ready to use water resistant adhesive that is specially formulated for use with interior and exterior wooden furniture and joinery.

The hard-wearing formula of the D3 Express Wood Adhesive is suitable for gluing all types of wood. Developed not only to secure wood to wood, the versatile adhesive can fix paper, cardboard, and textile-backed PVC to wood and board. D3 Express conforms to EN 204, meaning that the adhesive can be used on interior furniture with frequent short-term exposure to running and condensed water, or heavy exposure to high humidity.

For stockist details and more information call Osmo UK direct on 01296 481220 or alternatively visit www.osmouk.com.



**13**

**NEW 3D BIM SERVICE LAUNCHED BY ISO CHEMIE**

Foam tape sealing company ISO CHEMIE's new 3D BIM (Building Information Modelling) technology enables architects and designers to integrate high quality scaled digital information around window and door sealing solutions as part of their 3D visualisations and client presentations. Product information and specification data from the company's joint sealing tapes, multi-function joint sealing tapes and in-front-of-wall installation systems such as Winframer will be available initially for downloading free as BIM-ready items via [www.portal.iso-chemie.eu](http://www.portal.iso-chemie.eu) or an external database. It can also be used in CAD software such as 'Autodesk Revit, while an electronic CAD product catalogue will be available as a supplement to this as more products are at the planning stage.

More at <https://www.iso-chemie.eu/en-GB/home/> or tel 01207 56 68 67. Email: [swift@iso-chemie.co.uk](mailto:swift@iso-chemie.co.uk)

**14**

**PROJECT SPECIFICATION GROUP REDEFINES SERVICE OFFERING**

Project Specification Group, a unit of ASSA ABLOY Opening Solutions UK & Ireland, has redefined its capabilities in light of its recent rebrand. After the unveiling of its new name, Project Specification Group is taking the opportunity to shout about its new and improved service offering.

With a new Project Design Team made up of dedicated and experienced Project Design Consultants, Project Specification Group can support customers at every stage, from design and specification, to installation and ongoing maintenance.

To find out more, please call 0845 071 0882 to speak with an experienced ASSA ABLOY Opening Solutions Project Design Consultant, email [ukspecification@assaabloy.com](mailto:ukspecification@assaabloy.com) or please visit [www.assaabloyopeningsolutions.co.uk/specification](http://www.assaabloyopeningsolutions.co.uk/specification).

**15**

**LANDMARK SPECIFICATION FOR MARMOX MULTIBOARD**

An iconic new residential development by Barratt London is including the use of Marmox Multiboard for its outstanding physical performance with two walls around the 20 metre swimming pool being lined with the moisture resistant backing board. Landmark Place stands alongside the Tower of London, offering purchasers of the 165 luxury apartments and penthouses, stunning views of the Thames, Tower Bridge and the Southbank. The ground floor pool and spa is being fitted out by a specialist sub-contractor consuming close to 100 of the 2500 x 600mm Multiboards for the work, as well as six boxes of dowels to secure them and 30 rolls of Marmox Jointing Tape.

for further information please contact:  
Tel: 01634 835290  
Email: [sales@marmox.co.uk](mailto:sales@marmox.co.uk)  
Web: [www.marmox.co.uk](http://www.marmox.co.uk)

**16**

**MAGPLY BOARDS COVER SUPERFAST STEEL FRAMING SYSTEM**

A cutting edge residential project in Essex is making use of Magply boards for both the internal lining and exterior cladding treatment to an innovative lightweight steel framing system, demonstrating the widely specified fire resistant product's multiple attributes. The four bedroom new-build and extensions to a neighbouring existing property are being carried out by SP&J Construction, in a joint venture with Uni-Frame and the ARG Group. The intention is to use the current project as a show-site for the rapid build MMC solution and the wide choice of finishes which will be available to future purchasers. Impressively, the main two-storey structure was erected on a prepared base in just five days, while work is progressing well in terms of the fit-out and external finishes to what will be a spacious home.

[www.magply.co.uk](http://www.magply.co.uk)

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Gaining vital extra space has never been easier than with Scrigno Pocket Doors. Ideal for kitchens, bathrooms or anywhere space is at a premium.

Available in single and double door systems. FD30 fire rated systems and glass door conversion kits are also available. Each pocket is manufactured to the highest standard and comes with a 10-year guarantee.

Visit [www.excel-ah.com/scrigno](http://www.excel-ah.com/scrigno) or email [sales@excel-ah.com](mailto:sales@excel-ah.com) for more information.

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## Designer Italian door furniture

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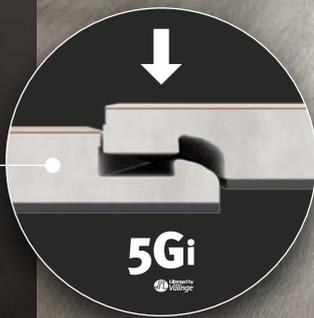
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