

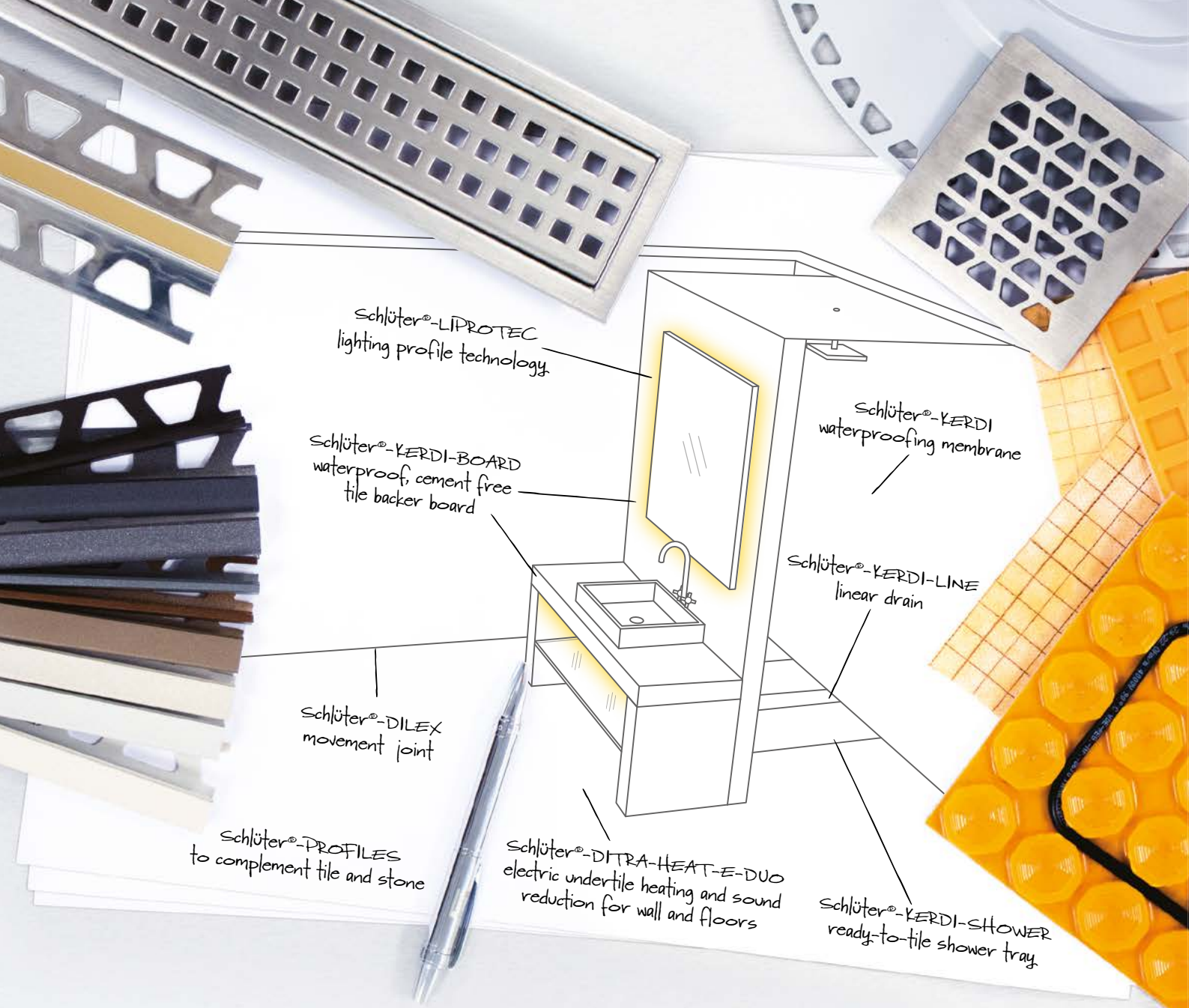


ARCHETECH

Turning Dreams into Reality

Issue 43 £4.99





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ARCHETECH

Turning Dreams into Reality

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John Robertson Architects (JRA) has completed the refurbishment of Bracken House in the City of London on behalf of the building's owner, Obayashi Corporation. Bracken House was designed by Sir Albert Richardson in 1959 as The Financial Times (FT) headquarters and was extensively remodeled in the high-tech style by Michael Hopkins & Partners between 1988 and 1992.

IESBC - 24

In May, the Illuminating Engineering Society of British Columbia (IESBC) awarded its 2019 'Vision Award' recipients, which honours outstanding BC lighting designers for their work. The gala event held at CBC Studio One served up canapés and cocktails followed by the awards ceremony celebrating the best in BC's lighting community.

EMD Construction – Batimo Group - 50

A new prestigious address will soon emerge on Atwater Avenue, on the former site of the Montreal Children's Hospital, nestled between the mountain, the river, the downtown core and the upscale city of Westmount: 1111 Atwater.

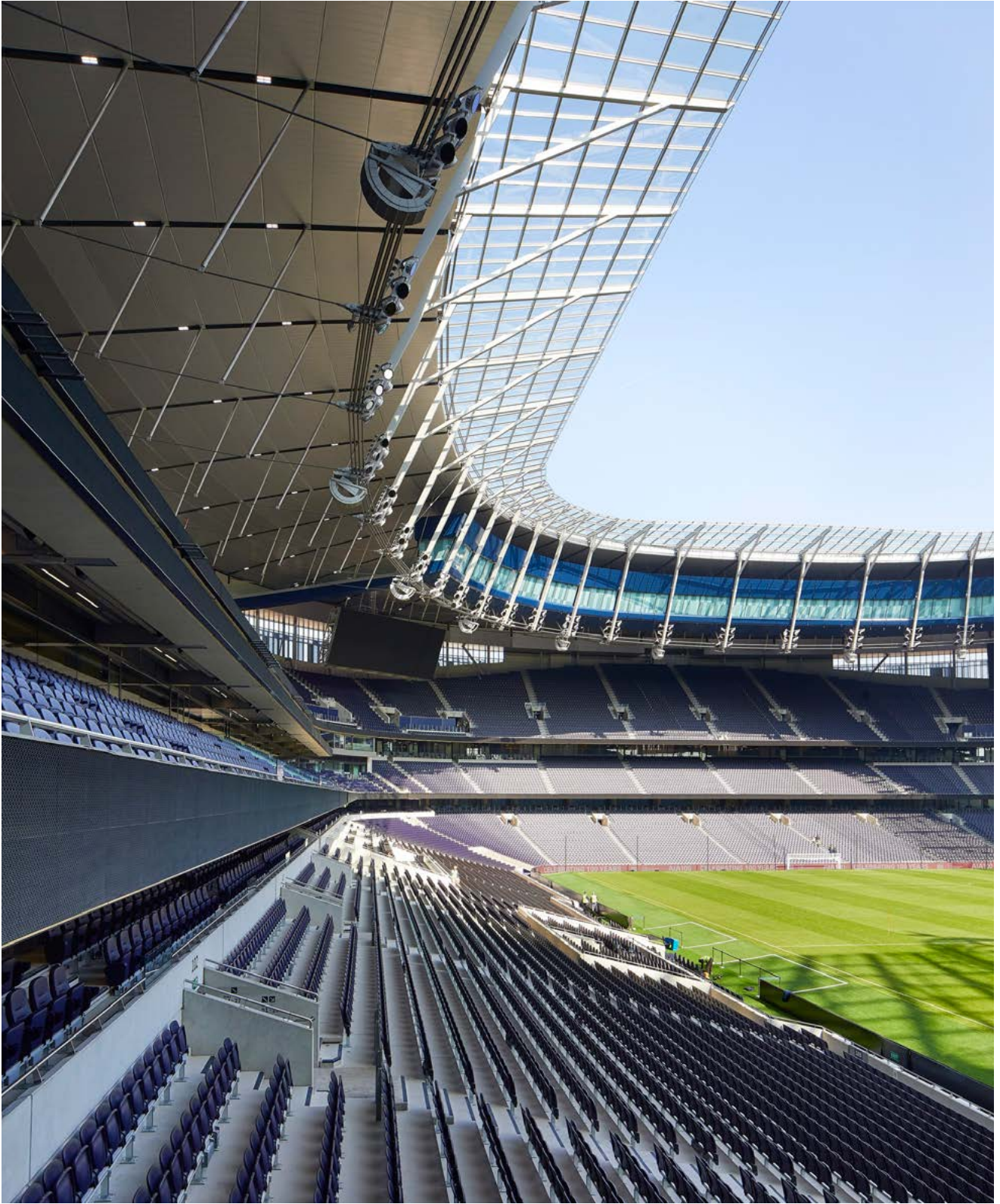
London Festival of Architecture- 68

Debuting as a festival hub for the London Festival of Architecture, Heart of London (representing St James's, Piccadilly Circus, and Leicester Square) plays host to a thought-provoking flag installation on the famous street of Piccadilly, St James's throughout June.

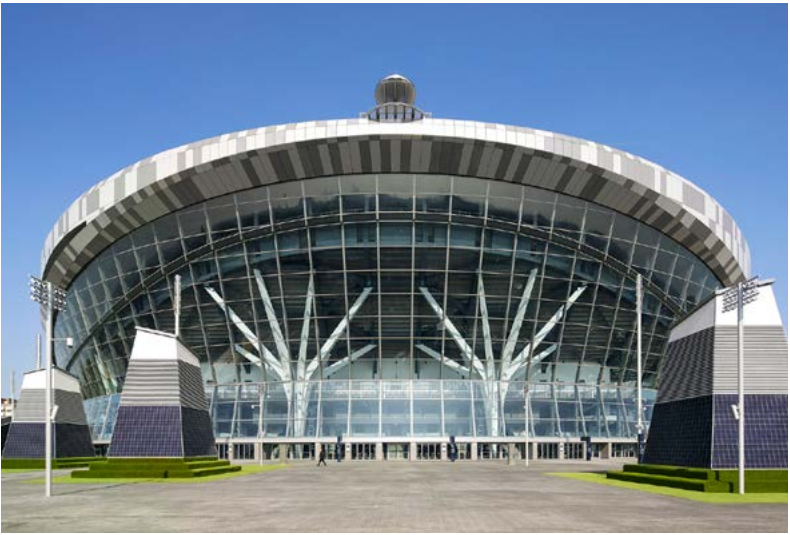
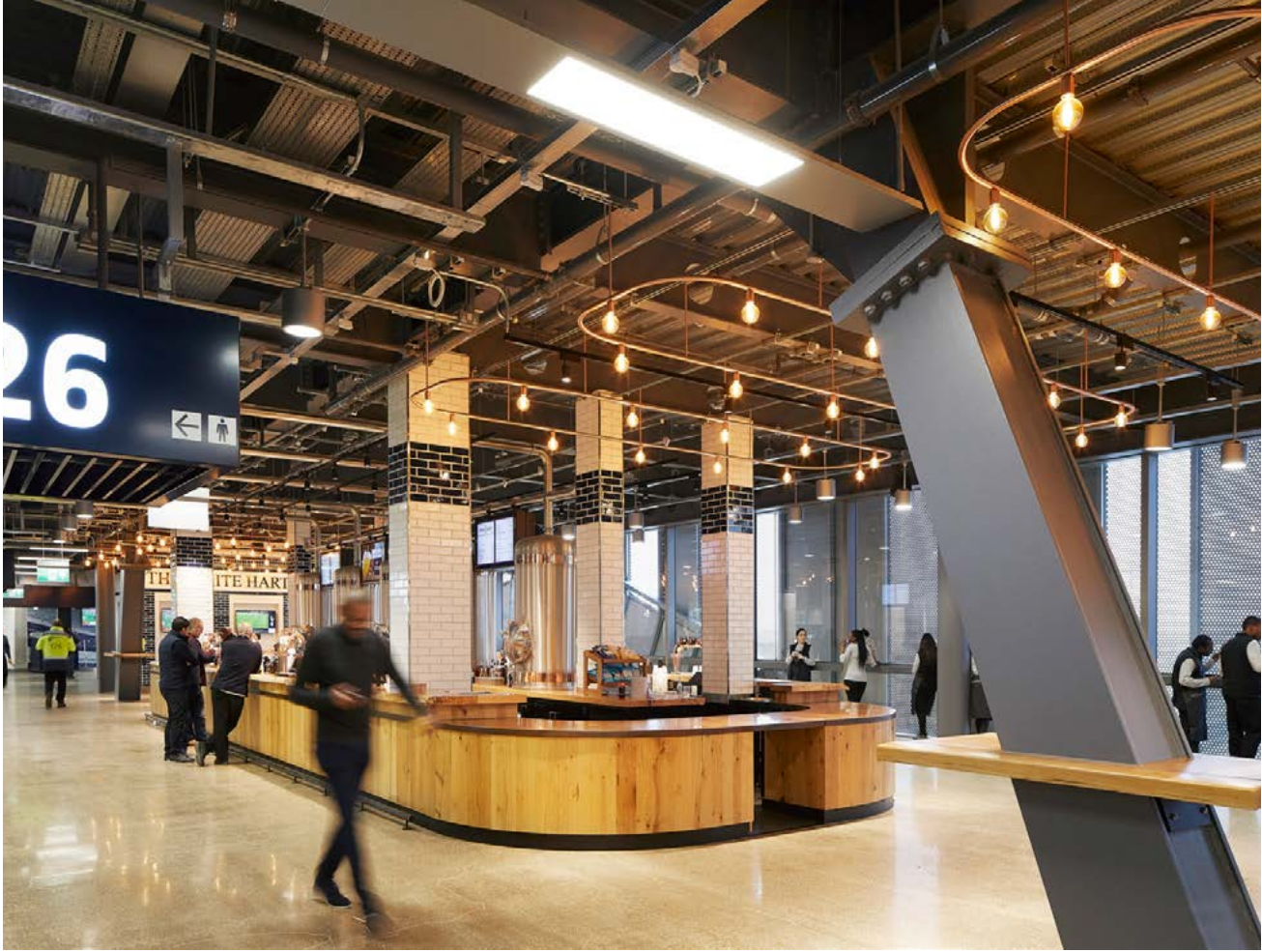
Sarea- 72

The former building of the SAGEP (Société Anonyme de Gestion des Eaux de Paris) is no longer in use. In its place, at 7-9 rue Schoelcher in the 14th arrondissement of Paris, we discover a brand new apartment building, which, like the old one, bears the so personal mark of its architect, Alain Sarfati. Because already in 1992, it was Alain Sarfati who was called upon by SAGEP to transform an old office building into an emblem for the company. Bought from the City of Paris by RIVP to create housing, the building was therefore entrusted to the same architect to carry out this new mission.

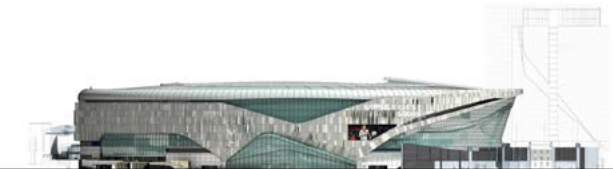




TOTTENHAM HOTSPUR **STADIUM**



POPULOUS

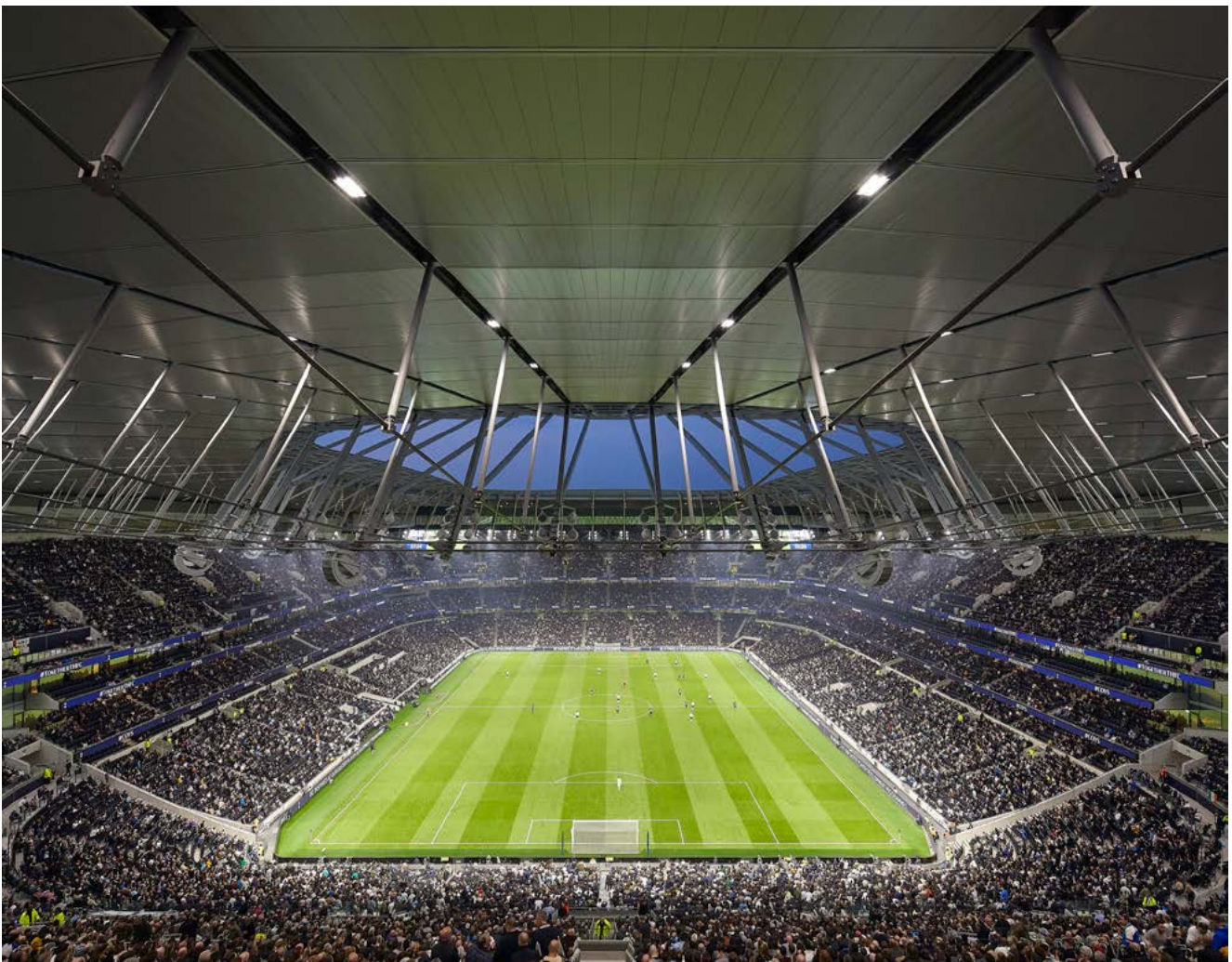


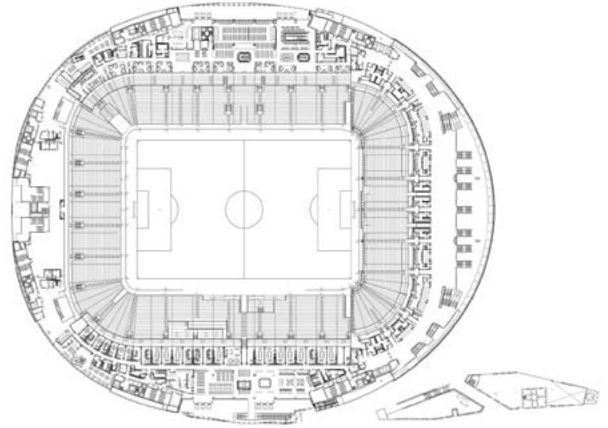
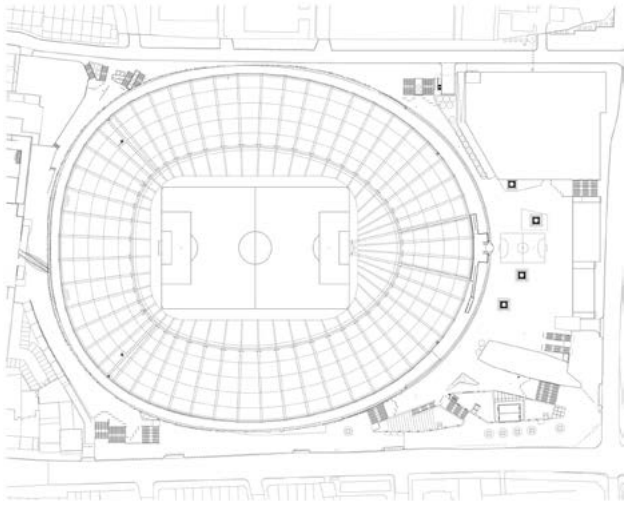
With a capacity of 62,062, the new stadium becomes the biggest club stadium in London and, by incorporating a fully retractable pitch, the first in the world to be custom-built to stage football and NFL games. The stadium has been designed to generate one of the best match day atmospheres in the world, with uninterrupted sightlines and spectators closer to the pitch than at any comparable ground in the UK. The stands are angled at 35 degrees — the steepest angle that UK guidelines recommend — to create a tighter, atmospheric stadium bowl which focusses towards the southern 'home end', where 17,500 spectators will come together to generate a 'wall of sound' in the largest single-stand in the UK.

A CONCERT-HALL INSPIRED ACOUSTIC SET-UP, WHICH AMPLIFIES THE NOISE INSIDE THE STADIUM, WILL ADD TO THE ATMOSPHERE AND SPECTATOR EXPERIENCE.

The areas at the front of the stand, as well as the away support's section, have been future-proofed for safe standing, with a first-of-its-kind design that gives equal precedence to safety and comfort. The rows of seating are separated by an ergonomically profiled bar set at 900mm for clear sight lines. Each of the seats, which provide the same levels of comfort and legroom as in all other areas of the stadium, is fitted with a lock to ensure it can be securely fixed in the upright position.

A concert-hall inspired acoustic set-up, which amplifies the noise inside the stadium, will add to the atmosphere and spectator experience. Wireless connectivity is available across the venue and will enable fans inside the stadium to connect with and share their live event experiences with other fans across the globe. The stadium's sculpted appearance has become clear; wrapping and folding its way around the stadium before reaching the home end, where a glass façade arches upwards to reveal the huge single-tier homestand, and a curved roof, which melds together with the stadium structure to create a graceful and elegant clean cover over the seating bowl.





THE STANDS ARE ANGLED AT 35 DEGREES — THE STEEPEST ANGLE THAT UK GUIDELINES RECOMMEND.

The façade is dynamic, responsive to the changing light. By day, the façade's perforated screens partially shroud what's going on inside, but at night they act as a lantern, highlighting the activity within. A five-story high glass atrium at the south end will provide a new meeting place for home supporters before and after the match including an open food court bathed in natural light. This spectacular entrance provides a glimpse of life within the stadium and has been designed to create a sense of arrival from the station.

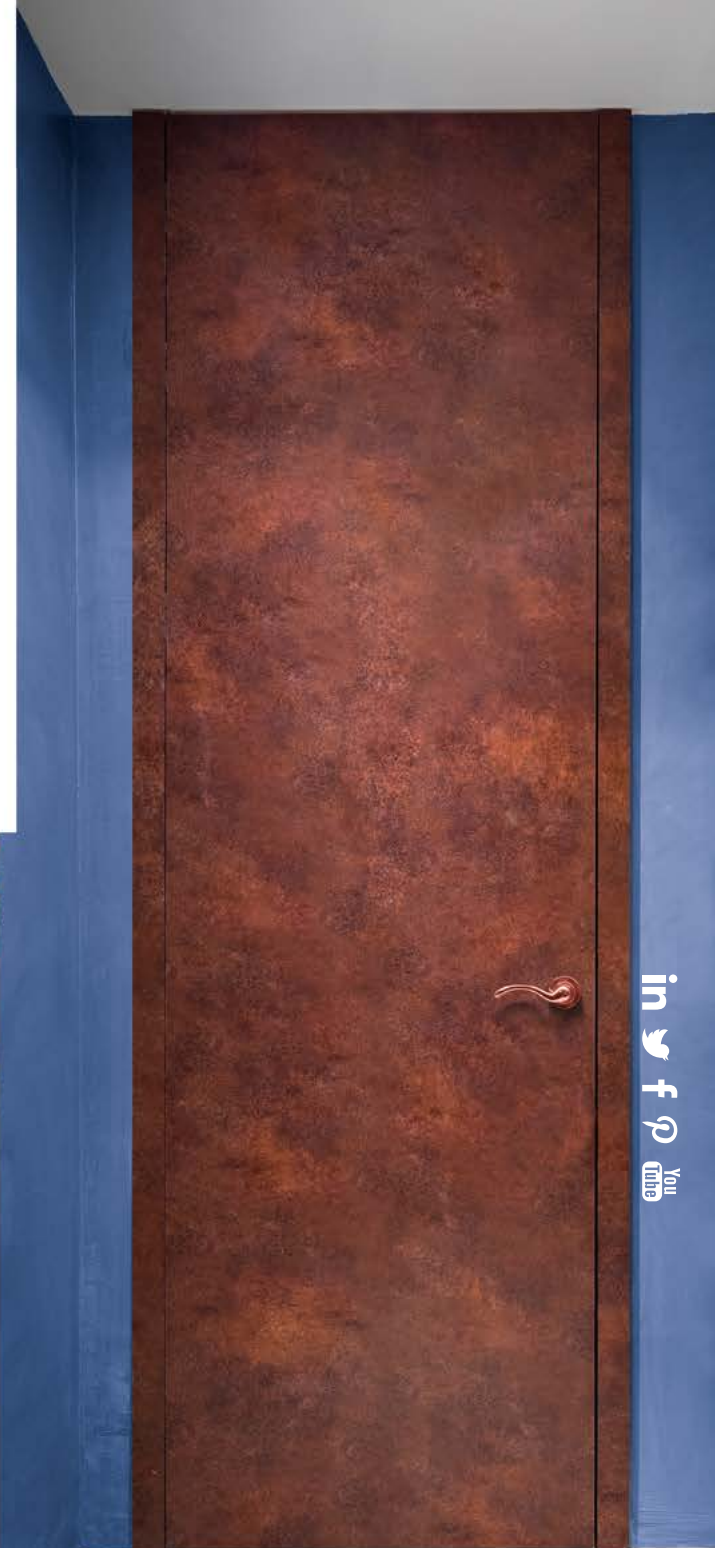
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ARCHETECH

Turning Dreams into Reality

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, developer 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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HAVE YOU GOT A PROJECT YOU ARE PROUD OF?

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

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BLANCO
GERMANY



BRACKEN HOUSE OFFICE BUILDING

JOHN ROBERTSON ARCHITECTS

John Robertson Architects (JRA) has completed the refurbishment of Bracken House in the City of London on behalf of the building's owner, Obayashi Corporation. Bracken House was designed by Sir Albert Richardson in 1959 as The Financial Times (FT) headquarters and was extensively remodeled in the high-tech style by Michael Hopkins & Partners between 1988 and 1992. After an absence of almost 30 years, JRA's sensitive refurbishment has made it possible for the FT to return to this iconic building.

The 200,000 sq ft office building is located adjacent to the precincts of St Paul's Cathedral and is widely recognised as one of the City of London's finest twentieth century buildings. It was the first post-war building to receive listed building status and has been awarded a Grade II* listing twice, first in 1987 and again in 2013.

JRA's transformation required a complete overhaul of the office accommodation after a quarter of a century of use. New internal courtyards have been created to resolve the level changes between the main office floorplates and the historic wings, improving the ease of movement for occupants and creating unity between the designs.

The office floors have been upgraded to meet the standards of a twenty-first-century news organisation, with large open plan areas and working spaces. The office areas now feature state-of-the-art LED lighting and energy efficient air conditioning systems. Increased daylight has also been introduced via the atrium roof, where glasscrete has been partially replaced with clear glazing, after consultation with Historic England.

The building's main entrance hall on Friday Street has been enlarged by relocating the original glazed partitions and timber louvres, offering new business lounge areas and a visual connection to the atrium. This, coupled with the removal of an existing timber trellis and external planters, creates a more active street frontage.



JRA'S TRANSFORMATION REQUIRED A COMPLETE OVERHAUL OF THE OFFICE ACCOMMODATION AFTER A QUARTER OF A CENTURY OF USE.



AFTER AN ABSENCE OF ALMOST 30 YEARS, JRA'S SENSITIVE REFURBISHMENT HAS MADE IT POSSIBLE FOR THE FT TO RETURN TO THIS ICONIC BUILDING.

At the Cannon Street entrance, JRA has sensitively restored the classical features of the building whilst improving accessibility and strengthening the connection between the old and newer sections of the site. The 'Hollington Staffordshire' pink sandstone cladding – an integral part of the FT's salmon pink branding – has been repaired and cleaned as part of the refurbishment work and referenced in the use of new pink pavements on the roof levels of both 1950s wings.

At roof level, JRA has returned to Richardson's inspiration, the Palazzo Carignano in Turin, to create the undulating form of the landscaping for a new roof terrace, delivering a significant area of outdoor space for occupants of the building in the heart of the City. Now complete, the 'fifth elevation', as originally envisioned by Michael Hopkins, provides 21,500 sq ft of open space, featuring planting, seating and a rooftop promenade against the backdrop of St Paul's Cathedral. JRA delivered the base building and Cat A works for Obayashi Corporation and used Building Information Modelling (BIM) level two on the project to assist with design coordination and to manage clash detection. The finished model contains over 27,000 items charting every aspect of the construction, which will enable repairs and replacements to be carried out effectively in the future. Cat B fit-out was undertaken by Perkins + Will on behalf of the Financial Times Group.



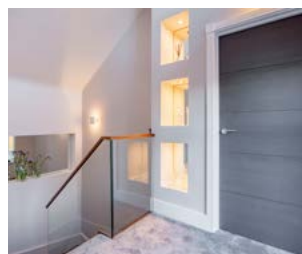


VICAIMA BRING AN ADDED DIMENSION TO WILLIAM MAY DEVELOPMENT

The village of Bramcote in Nottinghamshire, has been a popular place for home owners with discerning taste since Victorian times, so it's little wonder that is now attracting fresh interest for twenty first century living with the select Baxter Green development by William May. Envisioned by internationally recognised Leonard Design Architects and set in the former gardens of Grade II Listed St. Johns College, Baxter Green introduces outstanding low-density luxury housing surrounded by tranquil countryside. Once complete Baxter Green will have 40 residential properties varying in sizes from apartments to five-bedroom houses, with ample sized living space and all fitted with Vicaima quality interior doors.

Long established and regional house builder William May Developments have used Vicaima's Dekordor 3D finished doors throughout, alternating within particular house types, between a textured grey face with horizontal decorative grooves and a rich Dark Cedar finish.

Dekordor 3D adds a new dimension to interior design, with highly attractive horizontal grained textured laminates in a range of on-trend and contemporary colour tones. This durable range can be further enhanced, with the addition of glass panel doors, face grooving or even metallic inlays, to create individual statements for apartments or traditional homes. All of the Dekordor 3D collection come in a choice of cores and can be supplied with added performance including fire doors which are compliant with the most rigorous fire door regulations, acoustics and security doors where required as part of a complete door and door frame kit.



For further details about Dekordor 3D or one of the many other inspirational products from the Vicaima collections, visit the Vicaima website www.vicaima.com alternatively, call 01793 532333 for additional information.



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Our technical department selects the right motor for each project according to the power calculations and necessary characteristics.

Multi-channel control

Multi-channel control is integrated into all Airclos UK installations as standard. Its multi-channel function allows independent operation of motors, lighting, heaters and other accessories.



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Thermal comfort

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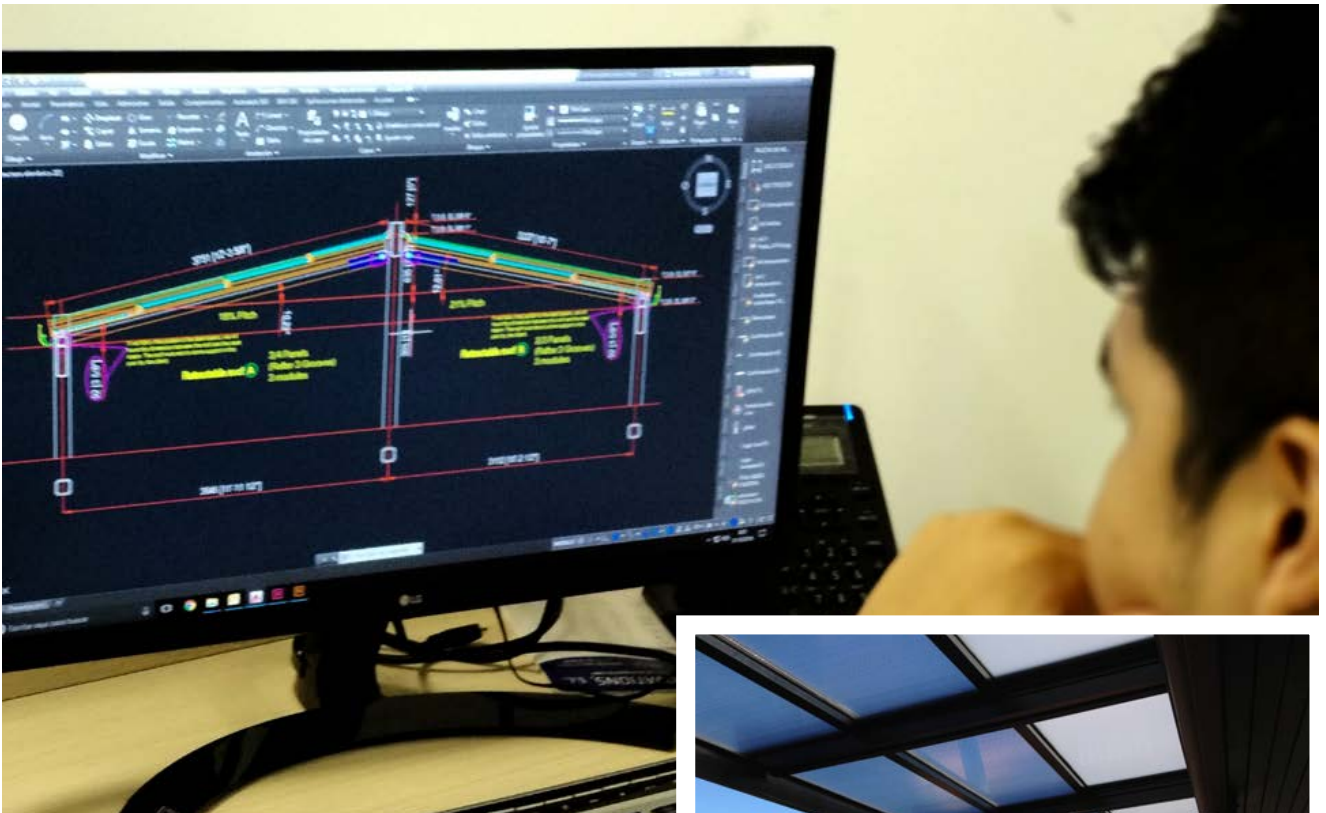
1. Thermal insulation: thermally protecting the room helps to preserve the desired temperature (in cold seasons it prevents the heat from escaping and the cold from coming in, and in hot seasons it will act in an inverse manner).
2. Waterproofing: the capacity of an enclosure to prevent the entry of water and wind. Sealing is an imperative in our designs.
3. Ventilation: the ability of the enclosures to control the exchange of air with the exterior. Ventilation renews and improves air quality.
4. Solar gain: the amount of heat obtained by a body when exposed to solar radiation. This factor can be improved by controlling the proportion between the glazed surface, the type of glazing, etc.



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A good design, using the right materials and enclosures, drastically reduces the energy consumption of a building and its carbon footprint. Our enclosures guarantee energy efficiency by working on:

1. Lighting: Increasing the amount of natural light greatly reduces electricity consumption.
2. Air conditioning: The correct choice of materials helps us achieve a high degree of thermal comfort without the help of other mechanical systems



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At Airclos UK we have a highly qualified technical team composed of professionals with decades of experience. This allows our products to constantly improve and evolve, putting Airclos UK always at the forefront of this industry.

When a new project arrives at our offices, it is assigned to a Project Manager who will supervise each part of the process to ensure that we are offering the optimal solution for each job. If necessary, our technical department will adapt the design of the system, tailoring it to the features of the project (redesign of profiles, thicknesses, etc.).



If you would like any further information please contact us directly;

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AIRCLOS

FORDINGBRIDGE

Modern architecture relies on providing aesthetic, sustainable designs to achieve the clients brief. Focus on how the building interacts with it's environment, and how it allows people to relate to it, are just as important as ever.

However, the public has changed. City Centre regeneration schemes are rife. Well established high street retailers are falling. The general publics' approach to product and acquisition is now a far cry from what it once was, with the "Prime Generation" expecting completion on a pre-noon, next day delivery. A result of our expectations for quick, simplistic processes, thankfully backed with innovative approaches to construction, now mean that we are in an industry that, with careful planning and the right choices, can deliver on this front successfully. Modular, offsite, prefabricated; all of these terms are synonymous with modern building and, when applied correctly, lead to exciting projects delivered with mind-blowing speed.

Working with the example of healthcare, whereas a traditionally built ward or extension could take in excess of a year to commission, a new facility can now go from approval to completion in a number of weeks. This of course will only happen with the right team; the right kit of parts who are able to translate the architects interpretation of the brief and deliver to the client. Similarly so, schools and academies are now specifying these methods in new construction. Modular buildings are far from the boxy containers of old. While these still provide a very important role in each sector, modern design enables the architect to create aesthetic projects within a drastically reduced timeframe. All that then remains is external landscaping, both hard and soft, to complete the vision.

It is with particular emphasis on the hard landscaping aspect that more creative visuals can be delivered, allowing the build to detract further still from boxy preconceptions. An example of this is the recently completed Emergency Ward expansion at Poole Hospital in Dorset. Working directly with the NHS Trust, one of the country's leading modular build firms delivered the new project in ready-made sections by crane and it's completion was reached in excellent time. The finished visual was achieved with the installation of a large architectural canopy, over sailing the entrance to the ward and providing valuable shade and weather protection for patients and staff alike.

Similarly, schools and academies, who receive and lose points on regulatory reporting with regards to shade and weather protection, can also reap the benefits with the addition of canopies on their new modular installations. With a growing awareness on UV risk and climate change in the UK, these factors prove necessary at a specification stage and including such additions in a principal plan, ensure that the clients brief is met totally, with no further requirement for later additions.

One firm which has successfully delivered such instalments is Fordingbridge, a design and build specialist in West Sussex. "We are lucky in that we have chance to work across a great number of varying sectors," explains Stephen Toone, Managing Director of the firm. "We like to think we are an innovative engineering firm. We manufacture and prefabricate all our products in-house so that the installation time on site is minimal. Along with more traditional contractors, we're seeing a great deal of work with modular firms. Everyone appreciates the final touch our products offer for a building, and we're proud that we can deliver them so promptly."

Fordingbridge also produce pre-engineered building frameworks from their custom developed Arundel factory. Garden centres,



exhibition buildings for Zoo's, coffee shops, even A&E wards. Their team of structural designers work solidly to ensure every calculation is on the nose, ready for their craftsmen, also in-house, to produce the framework components. Their approach to work, allows for the rapid installation of impressive steel and timber structures that grace hospitals, leisure facilities and schools up and down the country. "We undertake all of the pre-fabrication here, leaving minimal disruption to the client onsite," explains Toone. "We prefab all of our structural components offsite, meaning that once the groundworks are completed, the structure can be erected in a small number of days rather than weeks. It is great to see the reaction from the client or contractor when we get to work; our process is seriously quick."

With such a wide commercial portfolio, Fordingbridge have a number of processes in place that promote results through relationships. Working closely either directly with the client, or via an architect or contractor, they ensure a full understanding from the outset allowing for a minimum of disruption and measured results. "We undertake installations in live hospitals, schools and Zoos, so prefab is a longstanding prerequisite rather than just a buzz word for us," Stephen confirms. "We can't ask a hospital to completely close for a few months while we do our bit. It is a case of do as much as we can offsite, arrive and install. Our position is enviable. We have our own structural drawing team, our own engineers and factory, our own logistics and our own installers. All these factors make our process and products exceptional."

The company's portfolio is an impressive one and chances that either yourself, family or your colleagues have interacted with a Fordingbridge product is high. Installing hundreds of steel and timber canopies, walkways and shelters throughout schools, hospitals and theme parks, their experience in this field alone is broad enough. Combine this with the inspired commercial building back catalogue and the offering becomes even more enticing.

www.fordingbridge.co.uk

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We take pride in using our innovative engineering solutions to overcome potential issues and allow architects to achieve their clients brief.

Fordingbridge's industry leading provision of **canopies & covered walkways** for schools, hospitals & leisure parks is well known throughout UK architects.

Our underground helicopter hangars are a bit of a secret...

Contact us to see what we can bring to your project



FORDINGBRIDGE
inspiring design + build



SELF-SERVICE LOCKER SUCCESS GOES GLOBAL

More and more architects are incorporating self-service lockers into their building plans. With offices and education establishments wanting to make space more agile and flexible, LapSafe® self-service device loan lockers are ideal.

Devices such as laptops, tablets, mobile phones or personal locker space with power can be a nightmare to manage. The LapSafe® Diplomat™ LMS self-service solution gives users the opportunity to borrow a device 24 hours a day even with no staff present. More than half of UK Universities are now offering self-service device loans to their students with the Diplomat™LMS, and LapSafe® is looking to replicate that success worldwide. The UK-based company markets its products worldwide and has now set its sights on Australia and New Zealand, where it has already installed the Diplomat™LMS self-service loan lockers at multiple sites, as Denise Crouch, Head of Sales & Marketing explains.

LapSafe® was founded in 2003 but the first ever LapSafe® was designed and manufactured in the year 2000; the company prides itself on being the original inventor of the laptop storage and recharging trolley. "Since then, some have tried to copy the concept but no one has been as successful in providing the ultra-safe power management solution that fits into LapSafe®'s product range, ensuring that the unit can recharge up to 40 laptops, 60 tablets in one cabinet without tripping fuses – some actually break electrical regulations," says Denise. "No one else offers the Education Sector such flexible and upgradeable solutions. We are really proud of what we have achieved and determined to protect our brand."

She highlights their unique patented power management technology, which ensures that all devices are charged

simultaneously in the fastest possible time. The power management system incorporates three areas of protection, soft-start, surge and residual voltage; these provide the highest level of protection for the user, their equipment and electrical circuits.

LapSafe® promotes and sells its laptop and tablet cabinets globally and has customers in the UK, The Netherlands, Iceland, Spain, France, Belgium, Sweden, Middle East, Australia, New Zealand and South Africa. Its largest market to date is the UK, with just over 60% of UK universities are currently using LapSafe®'s self-service locker range. "We have sold in excess of 10,000 trolleys over the years and this is still growing," Denise points out. "Our largest market place is currently Education but self-service device loans are becoming increasingly popular with the corporate sector. We already have our solutions installed in a number of large corporate organisations."

"We have solutions that can help manage the deployment of IT to new starters, quickly manage break/fix or replenishment of devices via our self-service lockers. This makes our solutions popular with IT Services for helping speed up their service level agreements or managing multiple devices easily."

Denise is confident they'll make a success of their international expansion plans. "We provide quality products and back this up with excellent after-sales service and support. In Australia we have our own team as well as two partners ready to assist us with installation and on-going support."

For more information on the LapSafe®™ range visit www.LapSafe.com.

Self-Service Laptop Loans

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Always deploys the
Best Charged Device



Integrate with
LMS or Own Database



Access to devices
24 / 7



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REYNAERS HELPS ACHIEVE PATIENT-CENTRED DESIGN OF AZ SINT MAARTEN HOSPITAL



The AZ Sint Maarten hospital was a decade-long project aiming to incorporate three separate hospital campuses into one building that is designed to cater to patient comfort, promote sustainability and integrate seamlessly within the surrounding landscape. Working closely with the project design team, Reynaers helped tailor a brise soleil envelope for solar protection and provided glass surfaces that guarantee the highest level of thermal insulation and natural sunlight. Located in Michelen, Belgium the AZ Sint Maarten project was run by VK Architects and Engineers after winning a 2007 architecture competition to work on the regional hospital. Drawing inspiration from the green space surrounding the site, the compact building was strategically designed to include a specific orientation, materials, volumetrics and accessibility to flow within the landscape.

Comprising of 654 inpatient beds, 96 outpatient beds and an ample consultation area, the focus for VK Architects was to ensure the comfort and privacy of future patients, which informed the building's ergonomics, environment and safety features.

A multitude of glass surfaces were used to provide patients with continuous visual contact with the world outside. Reynaers' CS 77-HI windows were specified, as they offer the highest performance and thermal insulation, in full compliance with Belgian standards.

Sustainability was also a priority for the AZ Sint Maarten building. The focus on keeping spaces compact yet comfortable has resulted in less building envelope being needed per square meter, thus reducing the construction costs and energy loss in the long term. A waving brise soleil envelope was designed as a second skin for the building, offering solar protection for patients and personnel and introducing a playful, delicate element to the building.

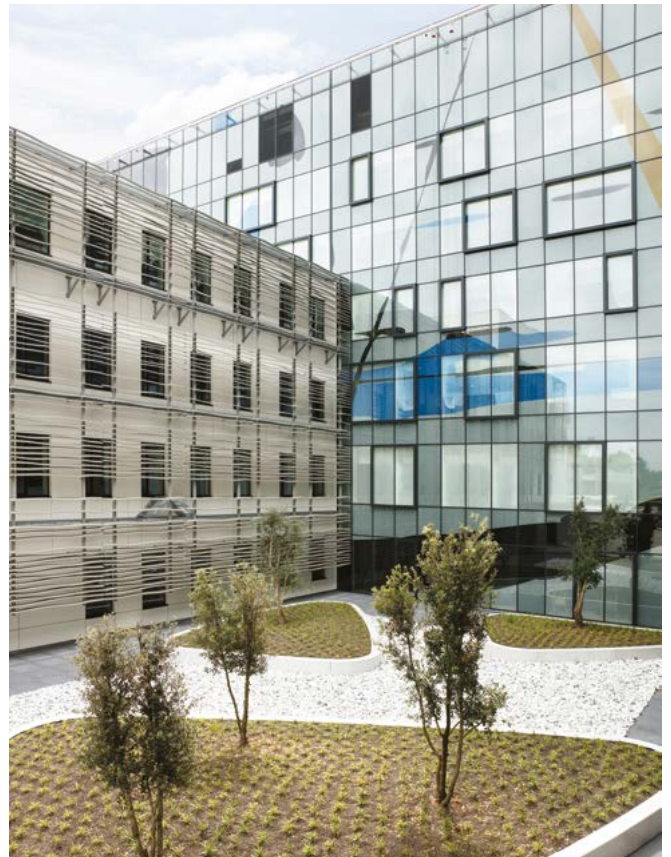
Following research into form, inclination and a building simulation model to monitor thermal comfort in patient rooms, VK Architects and Engineers created this unique brise soleil solution by using curved lamellas. When it came to making the design a reality, Reynaers worked closely with the contractor, MBG to tailor the existing BS 100 system to fit the project's needs. The end solution includes no less than 63,000 metres of profiles, creating a 'skin' for the building that adapts to the façade orientation. For instance, smaller distances between slats were used in the west and the east due to the lower position of the sun, compared to the south where the position of the sun is higher.

Commenting on the collaboration with Reynaers, Erik Vereecken, Project Director Healthcare at VK Architects & Engineers said: 'One of the key elements in this project was the wind tunnel test to verify the overall resistance to wind loads and acoustical impact. This test convinced everybody of the quality of the technical solution provided by Reynaers'.

Another unique element of AZ Sint Maarten is the fact that the project was an early adopter of BIM (Building Information Management) in 2010. Being able to make use of 3D modelling has meant that aspects such as airflow and mechanical and thermal simulations were evaluated and optimised long before construction began.

A video showcase of the AZ Sint Maarten project is available here: <https://www.reynaers.co.uk/en-UK/inspiration/aluminium-project-references/az-sint-maarten>.

Further details are available from: Reynaers Aluminium Limited, Tel: 0121 421 1999, or email: reynaersltd@reynaers.com, website: www.reynaers.co.uk.





THE ILLUMINATING ENGINEERING SOCIETY OF BC ANNOUNCES **ITS** **2019 'VISION AWARD'** **RECIPIENTS**

: IESBC

In May, the Illuminating Engineering Society of British Columbia (IESBC) awarded its 2019 'Vision Award' recipients, which honours outstanding BC lighting designers for their work. The gala event held at CBC Studio One served up canapés and cocktails followed by the awards ceremony celebrating the best in BC's lighting community.

"The lighting projects received this year showcased a variety of organizations utilizing new lighting technology to create new spaces and upgrade existing ones," says Marty Geusebroek, IESBC's chair member and account manager at CDM2. "From universities to public outdoor areas, it's remarkable to see how subtle lighting additions can enhance texture, emphasize colour, and support the structure of the built environment."

This year's IESBC's Vision Award and Award of Merit recipient is:

- ɬw'łənəq Xwtl'e7énk Square Pavilion (EOS Lightmedia), formerly The Vancouver Art Gallery North Plaza, for Outdoor Lighting Design in Vancouver, BC. For the pronunciation of the plaza's name and additional information, visit the City of Vancouver. Additional Award of Merit recipients include:
- Richmond Olympic Oval event hall lighting upgrade (Prism Engineering Limited) for Energy and Environmental Design (Richmond, BC).
- UBC Aquatic Centre (AES Engineering) for Interior Lighting Design (Vancouver, BC).
- Whistler Gateway Loop (AES Engineering) for Outdoor Lighting Design (Whistler, BC).

- St. Michaels University School (SMUS) Sun Centre Dining Hall and Student Commons (AES Engineering) for Interior Lighting Design (Victoria, BC).
- Robson Court Renovation 840 Howe Street (AES Engineering) for Interior Lighting Design (Vancouver, BC).

The 2019 BC Hydro Power Smart Lighting Redesign Award recipient is

- The Vancouver Convention Centre exhibition areas lighting upgrade (Prism Engineering) located in Vancouver, BC.

This year's honourable mention is

- The Origo Club (Joy Chao & Michelle Tse) for Interior Lighting Design located in Richmond, BC.

Submissions for the IES 'Vision Awards' open yearly in January and projects are judged based on how well the lighting design meets the program criteria. It is not a competition, and it is stage one leading up to IES's national 'Illumination Awards,' which will be presented on August 8 at the IES Conference in Louisville, KY. For more information on IESBC, seminars and membership, visit www.iesbc.org



THE LIGHTING PROJECTS RECEIVED THIS YEAR SHOWCASED A VARIETY OF ORGANIZATIONS UTILIZING NEW LIGHTING TECHNOLOGY TO CREATE NEW SPACES AND UPGRADE EXISTING ONES.

ADVANCED LIGHTING CONTROL SOLUTIONS CAN PROVIDE SIGNIFICANT ENERGY SAVINGS.

ABOUT IESBC

Operating for over 60 years, IES British Columbia, a section of the Illuminating Engineering Society (IES), is a volunteer-run, not-for-profit technical society dedicated to promoting the art and science of lighting. Known as the go-to community for the newest lighting codes and by-laws, IESBC provides an environment for sharing knowledge and ideas to advance the career paths of all its members. IESBC seeks to improve the lighted environment by bringing together those with lighting knowledge and translating knowledge into actions to benefit the public and provide support for emerging lighting professionals. IESBC offers monthly seminars to educate trade and residential designers or anyone interested in learning more about the lighting industry.

ABOUT THE AWARD CATEGORIES

The Control Innovation Award

Advanced lighting control solutions can provide significant energy savings, flexibility and other benefits in buildings. This prestigious award recognizes good lighting projects that exemplify the effective use of lighting controls in nonresidential applications. Guidelines suggestive of what to include in your submission are available.

Illumination Award for Interior Lighting Design

In 1902 Edwin F. Guth founded the St. Louis Brass Company and later renamed it the Edwin F. Guth Company. Mr. Guth's profound creativity, entrepreneurialism and focus to improve interior lighting are partially represented through 147 patents awarded to him prior to his passing in 1962. This award recognizes exceptional interior lighting projects that balance the functional illumination of space with the artistic application of light to enhance the occupant's experience.

Illumination Award for Outdoor Lighting Design

The Outdoor Lighting Design Award recognizes excellence in lighting design and application in all aspects of exterior lighting. The program celebrates achievements in aesthetics, applied technical acumen, creative solutions to demanding site conditions and advancements to the industry in outdoor lighting applications. The goal of the program is to further the understanding, knowledge and function of outdoor lighting as a critical aspect of the built environment.

Energy and Environmental Lighting Design

The Energy and Environmental Design Award recognizes quality lighting installations in commercial and industrial buildings that incorporate advanced energy-saving strategies and environmentally responsible solutions into the overall design.

BC HYDRO Power Smart Lighting Redesign Award (BC only)

BC Hydro Power Smart presents the Lighting Redesign Award to recognize local talents that bring innovation and energy efficiency in lighting design. The Lighting Redesign Award recognizes quality lighting redesign or major retrofit installations in existing commercial and industrial buildings, that incorporate advanced energy-saving strategies and environmentally responsible solutions into the overall design, without sacrificing visual interest.



www.iesbc.org

Photo credit: Ema Peter Photography, Shai Gil, Andrew Latreille, Tristan Shouldice, Rod Preston, Sama Jim Canzian, Erich Saide, Michael Young

LATEST VERSION OF SCHUECO SLIMLINE FAÇADE SYSTEM HAS ALL-GLASS CORNER OPTION

Schueco UK has introduced new developments to its ultra-slimline FWS 35 PD panorama design façade system. The enhanced system delivers even greater visual elegance with larger all-glass areas, the option of sun-shading and three levels of burglar resistance.

A major innovation is the introduction of an all-glass corner solution. Here, by transferring the glass load directly to the adjacent mullions, the design avoids the need for intrusive profiles or pull-push rods.

The result is wider unobstructed views and greater transparency from inside and a sleeker, more contemporary look from outside.

With Passive House certification for the top Schueco FWS 35 PD.SI version, the range offers thermal insulation levels as low as 0.79 W/m²K and can accommodate double- and triple-glazed units from 22 mm to 50 mm thickness. The versatility of the system is further enhanced by the introduction of a new single glazed option which is ideal for high-end display windows and internal applications.

Where ventilation is required, the Schueco FWS 35 PD façade can incorporate Schueco AWS 114 opening window units. Operated either manually or mechatronically with a concealed Schueco TipTronic actuator, these are an attractive and practical method of ventilation. They can be specified with either top-hung or parallel-opening types.

Recognising the importance of solar shading for large glazed areas, the Schueco FWS 35 PD façade offers two newly introduced methods of attachment by means of bolts or brackets. Discrete connection components are able to accommodate a wide variety of shading units despite the Schueco FWS 35 PD façade's very slim profiles.

This extends the system's flexibility in line with other Schueco façade systems and by giving architects more options, allows them greater latitude to realise their particular design vision.

Reflecting the growing importance of security, the Schueco FWS 35 PD façade offers three levels of security – standard or resistance classes 2 and 3 of EN 1627, the latter incorporating P4A and P6B security glass. Because the components that help to achieve this are fully concealed, the appearance of the façade is unaffected.

For full details email mkinfobox@schueco.com or visit www.schueco.co.uk.



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 or go to www.rolecserv.com



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DO YOU LEAD OR FOLLOW? A TRULY SUSTAINABLE PRODUCT



Diamik Glass is a British manufacturer of high quality, sustainable, and beautiful surface materials. Diamik use up to 100% recycled materials to manufacture worktops, panels, tiles and bathroom components for both the commercial and domestic markets.

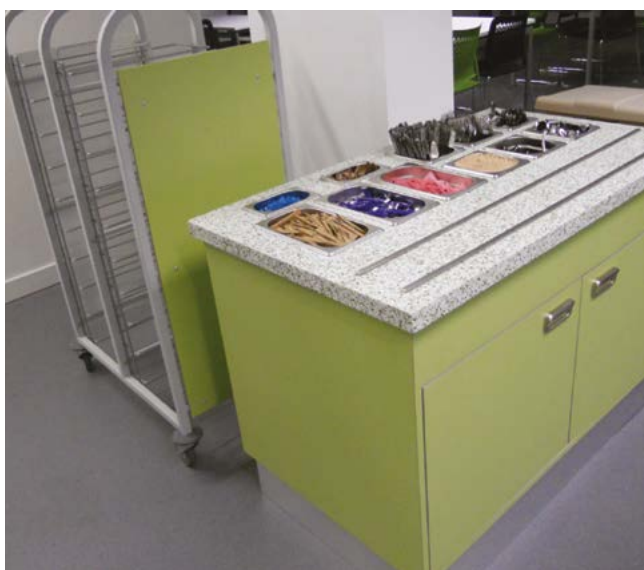
Since inception almost two years ago Diamik Glass have become one of the sought after brands in the construction industry. Buying sustainable products is no longer a thing that other people do, it has become an essential part of everyday commercialism for the construction industry. Diamik also offer a designer service that allows professionals to get their exact design match whilst moving to recycled materials. Make the move today to a sustainable future.

Following the product teaser launch at the Surface Design Show in 2018, Diamik have invested heavily in new plant and equipment to meet the highest standards and raise production levels to meet the ever-increasing demand.

July sees the launch of the Summer 2019 design range covering no less than 70 available options for customers to choose from please visit. www.diamikglass.co.uk for more information.

Diamik products are manufactured using the latest digital CNC machines giving an industry leading level of finish and quality. The material is compatible with modern and traditional features, from profiled edges and drainer grooves to undermount sinks and flush mounted appliances.

The Diamik recycled glass material is non-porous which makes the surfaces highly resistant to staining, scratch resistant, which keeps your surfaces looking beautiful and they are unique and special, a talking point for everyone who cares anything about looking after our planet.



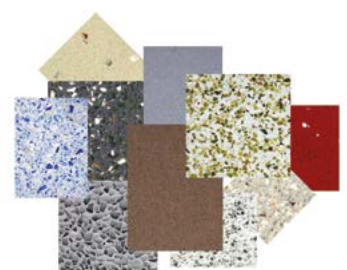
Diamik Glass manufacture surfaces for both domestic and commercial use with materials being installed in kitchens, bars, reception areas, serveries, food establishments, retail counters, bathrooms and also fabricated into tables, vanities, wall panels and tiles.

We are delighted that recently Diamik products were selected by BREEAM to provide plaques for developers to showcase buildings that have attained a high level of ecological integrity. This underlines our firm belief that UK developers can now use sustainable products in place of imported mined surfaces and achieve very high standards in an ecological manner.

Architects and Designers are the industry creators and its paramount that they take the lead in addressing the changes and a move to recycled products. Of course, it's also paramount that manufacturers of recycled materials offer a wide choice of exciting materials for the professions to choose from. Diamik Glass have addressed these issues with their 2019 range of over 70 standard designs and colourways.

Diamik also offer a designer service that allows professionals to get their exact design match whilst moving to recycled materials. Make the move today to a sustainable future.

For more information email:
info@diamikglass.co.uk





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NEW OFFICE FURNITURE COMPANY LAUNCHES AT CLERKENWELL DESIGN WEEK

Desk Buzz, a new office furniture company, had their official launch during the 10th anniversary of Clerkenwell Design Week. This was the perfect opportunity to launch its exciting new range of office space management solutions in the UK.



To launch the new company, Desk Buzz took a pop-up stand in Design Fields at Clerkenwell Design Week which took place in London between 21 and 23 May, and showcased its full range of economy and executive desking, bench style desks, compatible modular storage systems, and innovative sound absorbing screens.

Commenting on the launch of Desk Buzz, area sales manager Stephanie Hays said "We may be a new company, but the team has a wealth of knowledge of the office furniture market. We will be offering a wide range of furniture to suit every need, as well as providing quotations, space utilisation and floor planning advice, and an installation service."

All Desk Buzz products are bespoke and have been designed around the end user. Each design has been carefully crafted to help promote a healthy, productive and positive work space!

www.linkedin.com/company/13987122

SIMPSON STRONG-TIE INTRODUCES THEIR INNOVATIVE NEW GABLE PANEL CONNECTOR

Leading construction connector manufacturer Simpson Strong-Tie has developed a system of connectors which incorporates new and existing products for the installation of a timber gable panel.



The brand new GPC, Gable Panel Connector, solves the problem of the connection detail between the masonry wall, the wall plate and the bottom rail of the gable panel.

Sales Director, Jon Head, says "We are pleased to be able to offer a complete solution for connecting timber gable panels to masonry walls and roof structures. The GPC has been developed to safely transfer the lateral wind loads being applied to the masonry and the timber gable ends into the braced roof diaphragm. The solutions give installation options using either a continuous wall plate or raised wall plate at the gable end."

Simpson Strong-Tie continue to develop a wide range of engineered and tested products to help build Safer Stronger Structures.

For full technical details visit the Resources / Literature section at www.strongtie.co.uk



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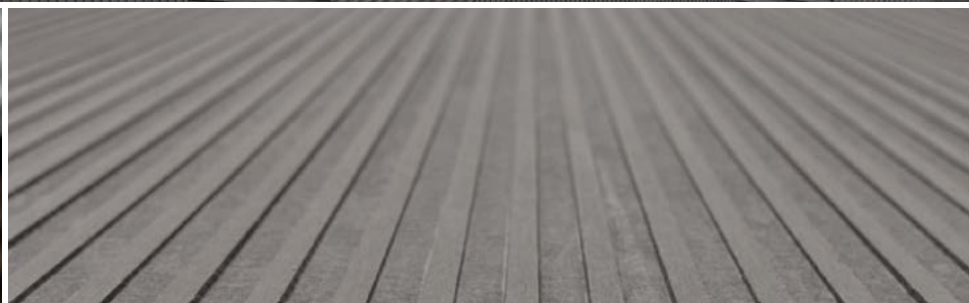
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“LA CASA DEL DESIERTO” FEATURED IN THE **FIFTH** **SEASON OF BLACK** **MIRROR SERIES**

Located in Gorafe, Granada (Spain), "La Casa del Desierto" (The House of the Desert) appears as an ideal place to escape from the connected world in the plot of chapter 2, "Smithereens", which stars actor Tophér Grace, of Spider Man 3 fame, among other films.

The episode was filmed last summer over a period of two full days. The production and filming team showed great interest in the house throughout their visit, captivated by La Casa's multiple perspectives and focus points.

"La Casa del Desierto" is a pioneering Guardian Glass project located in the Iberian Peninsula. The objective was to test Guardian Glass products and solutions in the most extreme weather conditions and thus demonstrate the importance of selecting the appropriate type of glass for the windows of any home.

La Casa was also chosen as a shooting location for other film and advertising productions, fashion shoots or photojournalism. In this type of collaboration, major producers, firms and brands have found "La Casa del Desierto" to be an extraordinary place which they can use to reach and inspire their target audiences.

First released in 2011, Black Mirror is an English science fiction anthology based on independent episodes that explore a disturbing and dark future which could be ours if the current greatest technological innovations were misused or mismanaged. It counts an Emmy Award, a Peabody Award and a British Academy Television Craft Award among its most notable achievements. The series has built up a base of millions of fans and followers around the world.

ABOUT "LA CASA DEL DESIERTO"

Location: Gorafe, Granada (Spain)

Floor area: 20m²

Layout: 3 rooms – bedroom, bathroom and living room-kitchen

Surface of photovoltaic panels: 26m²

Energy storage capacity: 18.2kWh

Approximate maximum and minimum temperatures expected inside: 18°C – 28°C

Temperature range in the Gorafe desert: summer up to 45°C | winter down to -10°C



"LA CASA DEL DESIERTO" IS A PIONEERING GUARDIAN GLASS PROJECT LOCATED IN THE IBERIAN PENINSULA

THE GLASS OF THE WINDOWS CAN LARGELY CONTRIBUTE TO THE THERMAL AND ACOUSTIC INSULATION.

“La Casa del Desierto” is a pioneering project by Guardian Glass that challenges nature to test its glass solutions. By designing such an innovative house, Guardian Glass seeks to demonstrate how, by choosing the right glass, the house remains liveable even in the most adverse climate environments. The glass of the windows can largely contribute to the thermal and acoustic insulation, it can help protect from UV rays, as well as improving security against theft or intrusion attempts.

In terms of its architectural structure, “La Casa del Desierto” is built on a wooden base that is enveloped by the Guardian Glass glass enclosure; inside, glass partitions create a bedroom, bathroom and living-kitchen area. A large space directly overlooking the landscape, La Casa also has a water filtration system, an energy generation system and a set of photovoltaic panels.

The design, the result of the combined work of a large and experienced team of architects - led by Spela Videcnik of OFIS Architects - together with Guardian Glass specialists and engineers and the energy consultants of Akt II and Transsolar, meets the current and future challenges of the architecture and construction sectors, in promoting environmentally friendly and energy efficient structures.

Find out more on “La Casa del Desierto” project.





SCHÖCK ISOKORB FOR LARGEST UK PASSIVHAUS DEVELOPMENT

Claimed to be the largest Passivhaus development to date in the UK and Camden Council's largest community investment project, Agar Grove Estate, in North West London, is undergoing a six-phase major regeneration, due for completion in 2025. It will deliver 493 new high-quality homes for existing residents, with maisonettes and gardens at ground level and apartments with full-width balconies on the higher floors.

The project is to Passivhaus standard, meeting demanding levels of sustainability and energy efficiency. So the insulation to the thermal envelope results in exceptional levels of airtightness. A critical requirement here being the avoidance of thermal bridging, a frequent cause of increased heat and energy loss, condensation and possibly mould growth.

THERMAL RISK IS AT BALCONY AND PARAPET CONNECTIONS

The risk of thermal bridging is primarily at connectivity points involving the balconies and parapets; and one of the most technically advanced countermeasures is the Isokorb range of structural thermal breaks from Schöck. For the balconies, the Isokorb type used transfers both negative moments and positive shear forces. It has been awarded the "low thermal bridge construction" certificate by the Passivhaus Institute in Darmstadt, verifying its suitability for Passivhaus construction.



With parapets, the conventional insulation method is to wrap the perimeter of the wall with an insulation barrier – but with the Schöck Isokorb designed for parapets, there is no wrapping required. It is more cost-effective and more thermally efficient than conventional wrapping and its 120mm insulation dramatically reduces heat loss. There is no risk of any additional thermal bridging through balustrade fixings – and other key benefits are durability and water impermeability. The

Isokorb does not require maintenance and there is no risk of expensive restoration due to waterproofing problems.

TOTALLY VERIFIABLE PERFORMANCE

The Schöck product types used at Agar Grove are for concrete-to-concrete connectivity and for wrapped parapets. But the comprehensive Isokorb range also offers solutions for concrete-to-steel and steel-to-steel. When any Isokorb type is incorporated into residential buildings, the required fR_{si} value – the temperature factor used to indicate condensation risk that must be equal to or greater than 0.75 – is always comfortably met. Products meet full compliance with the relevant UK building regulations, have NHBC approval and offer LABC Registration. There is also the security of independent BBA Certification.

Contact Schöck on 01865 290 890; or visit the website at www.schoeck.co.uk for a free copy of the Schöck Thermal Bridging Guide; the Schöck Specifiers Guide and to view the full range of downloadable software.



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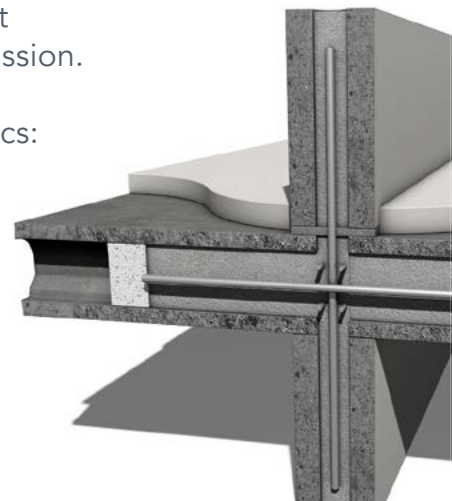
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- Precast concrete components
- The various forms of precast concrete construction
- Commercial and residential applications
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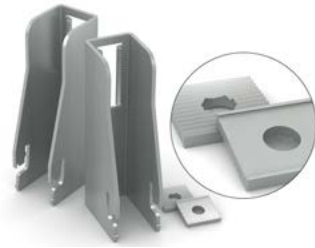
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SCOTLAND
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Newbridge, Edinburgh
EH28 8PJ

SIMPLE ORIENTATION MARK ENHANCES CLASSIC ANCON SERRATED WASHER DESIGN

Ancon has made a simple improvement to one of its smallest, but most utilised, stainless steel building components to benefit installers of its masonry support systems.



An orientation guide, in the form of two horizontal square ridges, has been incorporated into the design of the classic serrated washer that Ancon supplies with its masonry support brackets.

The square ridges, added to the back of the washer, correspond to the line of the serrations on the opposite side that faces away from the user during installation.

The new design makes it quicker and easier for installers to orientate the serrated washer correctly. Users do not need to view the serrated face before installing the washer and can quickly identify how best to correct any rotation that may occur as the fixing bolt is tightened.

Ancon is a three-time winner of the prestigious Queen's Award for Enterprise, twice in the Innovation category, and encourages its specifiers and users to provide feedback on how its current product range could be improved or expanded. More information is available at www.ancon.co.uk/contacts/submit-an-idea.

HELIFIX ADDS TO ITS VAST PORTFOLIO OF MASONRY REPAIR DETAILS

Structural repair specialist, Helifix, has recently made an addition to its extensive range of over 100 Repair Details, which give full technical and installation information on how to overcome a wide variety of structural faults.

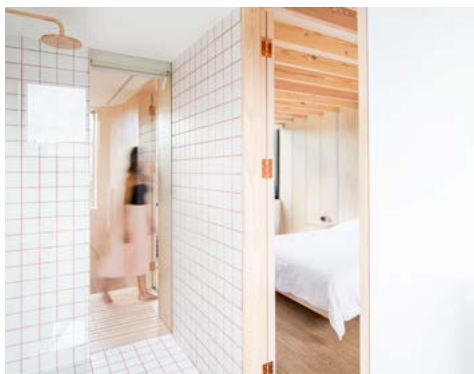


The new Repair Detail, RD WT35, gives guidance on how to connect a new timber frame to an existing masonry wall, when the new timber stud is erected within an existing masonry building and there is no access to install wall ties from the outside.

This Helifix repair detail can accommodate large cavity width variations by using stainless steel RetroTies. These fixings produce a secure mechanical connection in the masonry wall and are bonded into the timber frame with CrackBond TE resin. Resulting in no external work or scaffolding required and the outer face of the wall left unmarked.

The full range of Repair Details can be viewed, and individually downloaded, on the Helifix website at www.helifix.co.uk/ downloads. The site also contains full Helifix product information, brochures, applications, case studies and installation videos.

www.helifix.co.uk



Photos: Lipton Plant Architects

MAPEI ADDS TO THE AMBIENCE WITH ULTRACOLOR PLUS IN LONDON EXTENSION

Products from Mapei have been specified by Lipton Plant Architects after distinct plans were made with their London-based client to build an extension on an existing building situated along Wolsey Road. Its design was shaped around the history of the area with inspiration from the significant 'Newington Green Gardens' and the former forest clearing, which was lost to create streets and houses in the Victorian era. Also positioned opposite a mural of a garden which has since faded, the architects designed the extension around the concept of re-establishing the mural and its history, cultivating the illusion of a forest inside the property.

Using a palette of simple materials, the extension to the house's roof by GMS Building Services has created a bedroom and en-suite. Tailored to curve and 'float' upon the top floor, the

extension added approximately 25m² to the property, with the new space providing a haven in the treetops, flooded with light and warmed by timber.

Adding to the ambience, Mapei's Ultracolor Plus was specified for the addition of the en-suite bathroom. The water and abrasion resistant, flexible grout was used between standard white tiles on the floor and walls in the colour Terra di Siena, with the theme of copper and brass used throughout the extension to complement the colour of the wood. With its earthy tones, the grout completed and fulfilled the specification provided by Lipton Plant and the client.

Mapei's Ultracolor Plus is available in 35 colours suiting every mood. For more information, visit www.mapei.co.uk



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GRAFF®'S NEW VINTAGE COLLECTION

AVAILABLE IN ARRAY OF STUNNING FINISHES

GRAFF®, manufacturer of contemporary precision-engineered kitchen and bath products, presents its latest collection – Vintage – in the Brushed Nickel finish. The collection emulates the best of the industrial design paradigm, perfectly suited to outfit metropolitan environments known for their loft style.

The Vintage Collection draws inspiration from the design of classic fire hose nozzles, pairing a modern spout with bold handles. Each element, from the rounded brim at the spout's top to the undulating handles complete with carefully designed cut outs, resembles the traditional forms of the fire house featured in the historic Chicago Fire Department logo.

The Vintage Collection enriches bathroom suites through its elevated design. GRAFF's G+Design Studio honed-in on the collection's handle design to create a beautiful, practical, and ergonomic solution that facilitates easy use. The collection offers a choice of circular or linear lever handles (with a knurled accent for added allure) for deck-mounted, wall-mounted or freestanding installations. The two-hole and single-lever faucets feature an internal progressive cartridge that makes it possible to regulate water temperature while maintaining constant pressure. This system reduces hot water waste as a result. The progressive cartridge offers the possibility for a cleaner and more engaging design: the traditional cap is not necessary for the rotation of the handle; the tap develops into a unique silhouette, without the conventional cut on the back of the body.



The Vintage Collection is offered in nineteen contemporary finishes: Polished Chrome, Polished Nickel, Brushed Nickel, Steelnox® Satin Nickel, Unfinished Brass, Unfinished Brushed Brass, Architectural White, Architectural Black®, Matte Black, Onyx PVD, OR'osa PVD, Olive Bronze, Vintage Brushed Brass, Polished Brass PVD and Brushed Brass PVD, Gunmetal, Gunmetal Distressed, 24K Gold and 24K Brushed Gold. For this new series, the handles are available with a two-tone finish crafted with black accents: Chrome with Black, Polished Nickel with Black and the striking combination featuring Brushed Gold with Black.

For more information about GRAFF, visit www.graff-designs.com or www.facebook.com/grafffaucets

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SCHLÜTER SOLUTIONS HELP TO CREATE STATEMENT SURREY WETROOM

A complete Schlüter-WETROOM system, along with a number of other Schlüter products, helped in the creation of a sophisticated wetroom at a luxury home in Esher, Surrey.

The owner was embarking upon a renovation and extension of his existing home. This included a refurbishment of the residence's 4.8m x 2.7m master en-suite.

Enlisting the services of Quell Bathrooms, the client set out the fundamentals of what he wanted – bath, shower and double basin with storage. He then gave free reign to Managing Director of Quell, Vincent Pope, to come up with a few ideas from which the final design was selected.

The resulting wetroom utilised a number of different products from Schlüter-Systems, in order to ensure a sound finish for the client's considerable investment.

AREA: FLOOR (DRAINAGE) AND WALLS

ACTION: Minimalist drainage and complete waterproofing underlay

Integrated linear drain wetroom kit, Schlüter-KERDI-LINE-WRKL, was used to provide guaranteed waterproofing and drainage for the bathroom.



This kit consists of a waterproofing and sealing kit, shower boards, drainage channel and support plus a tile support grate.

The waterproofing and sealing kit contains Schlüter-KERDI waterproofing membrane, plus Schlüter-KERDI-KEBA sealing band, Schlüter-KERDI-KERECK pre-formed corner pieces and Schlüter-KERDI-COLL sealing adhesive. The KERDI membrane from the kit was used to waterproof the back wall and around the shower wall. The rest of the room was done out with Schlüter-KERDI-BOARD waterproof backerboard in 10mm thickness. All joints and junctions were sealed with the aforementioned set of sealing products.

The 800mm linear drainage channel was installed in an intermediate location, sloped to from both sides using the Schlüter-KERDI-SHOWER-L and Schlüter-KERDI-SHOWER-LS pre-sloped shower boards. The drain is designed to be tiled to in-line with the rest of the floor - in this case with wood-effect tiles - resulting in a discreet solution.

'Since we started using Schlüter's wetroom kits three years' ago, we've had none of the problems we would get previously', says Vincent, "We wouldn't deviate from them now as they offer a comprehensive and trustworthy solution to prepping a wetroom".

AREA: FLOOR

ACTION: Providing heated surfaces across the room

The timber floors of the project had already been insulated, so Vincent installed the original Schlüter-DITRA-HEAT-E electric underfloor heating system. "It's great that you can use this system throughout the whole of a room, including the shower area", says Vincent, "Often this isn't an option with other systems".

Continues Vincent, "In refurbishment work, it's always a struggle to keep floor build-ups low – but with the Schlüter-DITRA-HEAT-E system, all build-up is contained within the height of the membrane so there are no unexpected surprises".

AREA: WALLS (WOOD-EFFECT TILING)

ACTION: Providing appropriate edge finishing for external corners

Vincent used chrome-plated brass finishing profile, Schlüter-QUADEC-MC, to provide finishing against the wood-effect wall tiles. He also used the matching Schlüter-QUADEC-MC/EV corner pieces to finish the corners of the 1-metre-high shower wall. "Schlüter trims give a great finish for tile edges and neatly cover the edge of tile", comments Vincent, "Plus the corner pieces give



a good looking finish that avoids sharp edges – important as we were finishing a low wall that could be a source of injury if finished with mitring".

AREA: WALLS (WHITE CERAMIC TILING)

ACTION: Providing appropriate edge finishing for external corners

Schlüter-JOLLY-AC in a Matte Brilliant White (MBW) finish was used to finish edges in wall areas where 1000mm x 330mm ceramic tiles were installed, including around window reveals and product boxing. Three quarters of the edges of Quell's custom-built niches for the project were also edged with the MBW trims, with QUADEC-MC to the inside edge of each as part of a wood-effect feature shower wall.

Operating across the whole of the South East of England, Quell offers luxury bathrooms designed and installed to the highest standard. Creating everything from extravagantly charming bathrooms through to stripped-back modern wetrooms, they take your spaces to the next level. For more information, visit www.quellbathrooms.com.

Schlüter was able to provide many of the solutions needed for Quell to give their client a statement bathroom to be proud of. For more information on how Schlüter can help with your tile and stone projects call 01530 813396, email pr@schluter.co.uk or visit www.schluterspecifier.co.uk.

ILUX-URY FOR TONBRIDGE PROPERTY

Aqualisa's ilux and Rise™ smart shower ranges have been installed as part of a £2.1 million property refurbishment in Tonbridge, Kent. Town's Bathroom Showroom, whose customers rely on expert advice when it comes to planning and selecting bathroom products, recommended Aqualisa's ilux range for its attractive design and personalised pre-set shower and bathfill programmes.

When the Parkes family purchased their new 5 bedroom and one-bathroom property in Tonbridge it was in a state of disrepair. It has since undergone a dramatic transformation with extensions below ground, to the side and rear of the property and into the roof space, including the addition of another bedroom and multiple bathrooms, alongside a full redesign throughout.

As part of the refurbishment, the Parkes family contacted Town's Bathrooms, an independent bathroom showroom based in Tonbridge, specialising in bathroom design. As well as supplying the products, Town's Bathrooms also designed and installed the Parkes family's six bathrooms, five of which included Aqualisa showers.

Paul Gray, Design consultant for Town's Bathrooms was involved with the specification of the Aqualisa products, he commented: "After listening to the client's needs, I proposed the ilux range as a perfect solution for the shower and bathrooms. I like the ilux not only for its simple, compact design but also for providing a selection of different shower experience at the touch of a button – which is for me the whole point of a smart shower or bath."

With multiple programmable pre-set options for temperature, flow, fill and outlet, the ilux can be tailored to the user's preferences. The Parkes family agreed with the specification and four ilux systems with a mixture of dual and single outlets, were selected to meet the requirements of the individual bathrooms.

The main family bathroom is fitted with a dual outlet ilux, including a bathfill which covers different family preferences for bathing and showering. The master ensuite also features an ilux smart bathfill fitted to a free-standing stone bath that can be remotely controlled from the bedroom. Remote control, also used in the second ensuite, combined with a pre-set programme, to add convenience to the luxury of stepping into a temperature ready shower. Outside, next to the swimming pool, is an ilux single outlet shower with adjustable handset which provides the quick shower required before and after a swim.

As well as the four ilux systems, Paul also specified a single outlet concealed Aqualisa Rise™ smart shower with adjustable head for the guest ensuite. On this selection Paul commented, "We like the whole Aqualisa smart range, but in this instance chose the Rise™ for its sleek look and ease of use for anyone who comes to stay."

With regards to the installation process, Paul continued, "Our fitters found it easy to install all of the shower systems, especially in terms of pipework and connections. The smart valve technology has allowed us to plan a future-proof shower system, locating the valve away from the controls for easy accessibility and maintenance."



Chris Gale, Director of Town's Bathrooms commented: "The ilux is one of our favourite showers to specify. Many of our customers love the stylish, keypad design and the waterproof control is ideal for programming the shower from both in and outside the bathroom. The ilux is also incredibly easy to fit and perfect for retrofit installations."

Mr Parkes, owner of the property commented: "With four children under seven, I find the child lock features a real re-assurance. I am able to leave outlets in the children's ensuite bathrooms locked – keeping them safe and removing the temptation from little fingers. On the odd occasion I get a gentle start in the mornings, its great to turn the shower/bath on when I am still in bed."

For more information please visit www.townsbathrooms.co.uk

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MBS SOFTWARE: TRUSTED SOLUTIONS FOR DAYLIGHT & SUSTAINABILITY

Founded in 1997, MBS Survey Software Ltd is an independent company specialising in providing bespoke software, expert analysis and training for professionals within the built environment. The business employs a small and highly motivated team of software developers and analysts, led by Managing Director David Maltby and Software Director Jason Bird, both of whom have been with the company since its infancy and continue to play hands-on roles.

MBS Products include the best selling Waldram Tools for AutoCAD®; the recently developed Daylight for SketchUP®; and Surveying Software. The Revit plugin is also soon to be released.

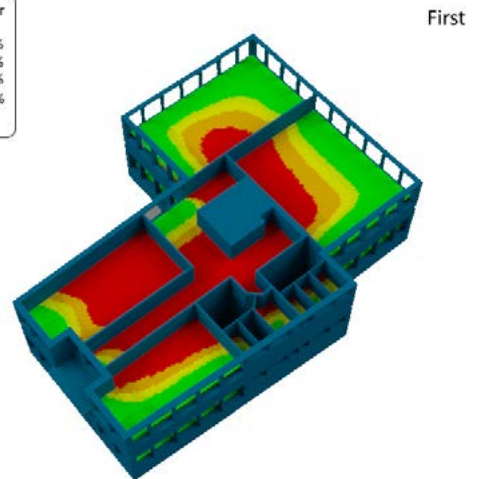
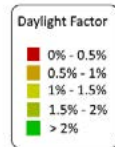
These are enabling customers to carry out a range of tasks, quickly and efficiently, within a familiar and intuitive software environment. Tasks include:

- Master planning • Facade analysis • Solar glare studies
- BREEAM analysis • Transient shadow studies • Rays of light.

MBS supports its range of software solutions, with comprehensive training and information services designed to get the most from the software, as well as professional analysis, consultancy services and development of bespoke solutions.

The company can also provide Laser Scanning and 3D modelling services, in consultation with leading specialists in this field.

"MBS products are the most widely used software solutions of their kind in the UK and are increasingly used all over the world. They are fully in line not just with BRE guidelines and compliance tests, but also with the latest climate-based modelling."



For further information about MBS Survey Software Limited and its range of products & services, please contact David Maltby or Jason Bird, on 020 3176 0984.

ETL Visual Services offers smarter virtual show-rounds for the property market

ETL Visual Services, the computer graphics, videography and stills photography division of digital forensics specialist Evidence Talks, has used its experience with leading retail brands to develop a service for the commercial and residential property market.

The company's showreel includes examples of computer-generated imagery (CGI), along with a portfolio of stills photography and product shots.

Most focus, however, for architects and developers is likely to rest on the ability to rapidly convert 3D models and to produce smart, 'fly-through' virtual show rounds for both commercial and residential property.

Computer-generated imagery allows models to be animated and keyed within captured video footage, in turn enabling real world simulations, step-by-step animations and exploded view sequences.

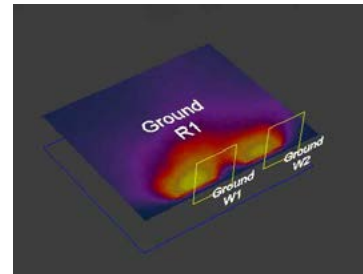
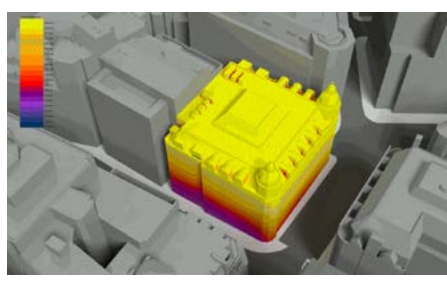
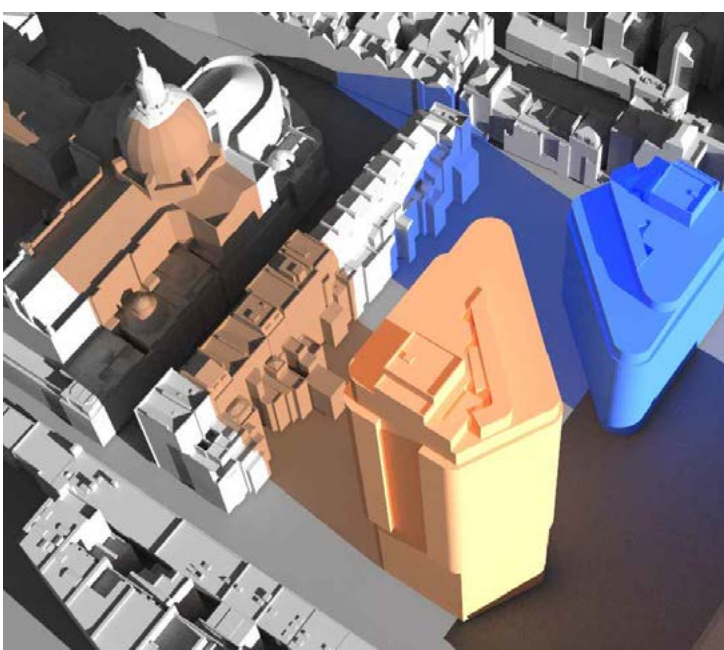
Company spokesman Jack Howell commented "CGI showcases building designs that may otherwise prove challenging to show either in traditional drawings or as a physical 3D model. The most exciting and exacting part of our work continues to be the production of computer-generated visualisations with realistic lighting effects and textures."

Clients are already seeing benefits at both the concept stage, where designs and layouts can be tested on a virtual platform to optimise costs and reduce the time to market, and also in the marketing of property, with virtual show-rounds providing a cost-effective sales aid.

The company's range of related services, including a portable infinity wall, is available to clients or agencies either on-site or at its own studios.



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Waldram Tools - Daylighting Software

MBS has been developing software for the last 25 years. Delivering applications that are powerful yet easy to use.

Waldram Tools is an excellent package for meeting the requirements for daylight & sunlight testing laid out in the BRE Guide.

It is however much more than that, with many tools to aid design, such as facade analysis including solar radiation to test for overheating. Ray traced Daylight and sunlight calculations using Radiance, which allows more complicated situations to be assessed.

Transient shadows can be assessed over a range of times with the shadow cast matching the colour of the proposed building

The potential for solar glare can be assessed in an easy to read rendered image

The software produces:

- BRE Compliance tests VSC,APSH,NSL,Sunlight to Amenity and Average Daylight Factor
- Rights of Light contours
- Complete excel exports
- Automated transient shadow images
- Climate based daylight calculations
 - Spatial Daylight Autonomy
 - Annual Sunlight Exposure
- BREEAM calculations
- Solar Glare
- Solar Radiation
- Facade analysis

Available for AutoCAD 2014-2020*

*Alternative products: "Daylight forSketchup"
Coming soon: "Daylight for Revit"*

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OFFICIAL LAUNCH OF THE **1111 ATWATER** PENTHOUSES

• EMD CONSTRUCTION – BATIMO GROUP

A new prestigious address will soon emerge on Atwater Avenue, on the former site of the Montreal Children's Hospital, nestled between the mountain, the river, the downtown core and the upscale city of Westmount: 1111 Atwater. This ultra-exclusive residential real-estate project is set to become the new standard in luxury high-end residences in Montreal. The 22 penthouses, located on floors 30 to 38 of this extraordinary location, will enjoy breathtaking, unobstructed 360° views over the entire city.

This real-estate project is being developed by EMD Construction – Batimo Group, in collaboration with High-Rise Montreal and Claridgeas investment partners. 1111 Atwater is part of a mixed-use project that includes a ground-level commercial component and residential rental units on floors below the penthouse levels.

The 22 units, ranging in size from 1,663 to 10,000 square feet, are fully customizable. Owners may choose to use their own designer or retain the services of the Lemay + Escobar team associated with the 1111 Atwater project, which designed the two luxury hotel-style spaces located at the entrance, on either side of the reception area. Each penthouse boasts generous views, thanks to expansive windows. They range in price from \$2 million to \$15 million.

"We've made every effort to create a benchmark in prestige and art de vivre," says Francis Charron, President of Batimo and Vice-President of EMD Construction. "The 22 fortunate residents who will live in the penthouses will be able to experience elegant common areas with refined finishes, enjoy luxurious living spaces featuring the highest-quality materials and take advantage of spacious terraces. But the exceptional views are unquestionably one of the most distinctive aspects of the 1111 Atwater penthouses."

Service worthy of a five-star hotel completes this atmosphere of refinement. This includes a concierge available 24/7, valet parking, home automation technology and exclusive elevators. Suspended on the 31st floor, the Sky Lounge and Sky Gym are also sumptuously appointed, featuring an indoor pool and sweeping views of the city.

To fully experience 1111 Atwater, the developers created a dome at the centre of the project's sales office. This space provides visitors with a 3D tour of 1111 Atwater in an immersive environment that makes use of augmented reality.

"We wanted to provide a distinctive experience for our future owners and give them a real feel for what 1111 Atwater promises to be," notes Philip Kerub, President of High-Rise Montreal. "This is why I didn't hesitate to invest in this technology that's unique in North America to provide our clients with the very best; a visit that reflects the prestige of this project."

ABOUT EMD CONSTRUCTION – BATIMO GROUP

A leader in the construction and real-estate development industry in Quebec, EMD Construction – Batimo Group offers a portfolio of numerous residential complexes, including retirement homes, condominiums and rental properties. Recognized on numerous occasions for its projects, the company has more than 400 employees and also specializes in the construction of commercial and office buildings. Engagement, excellence, professionalism and integrity are the values that guide the company in developing high-quality projects throughout Quebec, earning it the award of excellence for Best Canadian Residential Development at the 2018–2019 Canadian Property Awards for the Chartwell L'Envol retirement living project located in Cap-Rouge, Quebec.

www.1111atwater.com



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THE PERFECT TOUCH

Established 33 years ago 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.

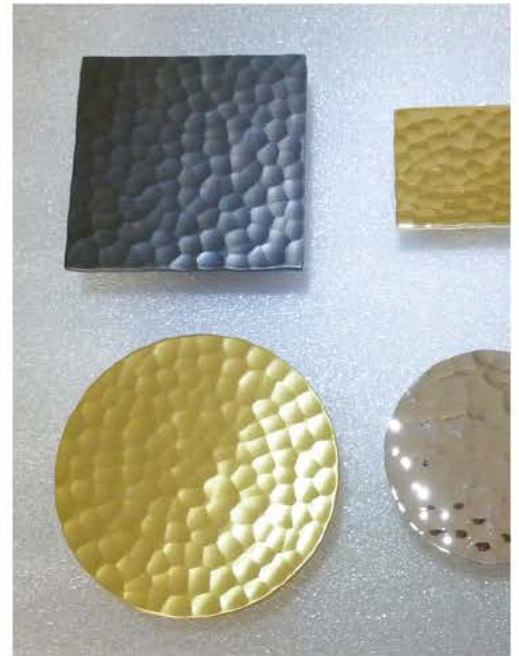
The company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas. Touch's owner and founder, Bill Benham, has 33 years' experience in the ironmongery trade, as do his colleagues Jim Haselup and Alan Blanchard. Saleem Qureshi is the newest member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



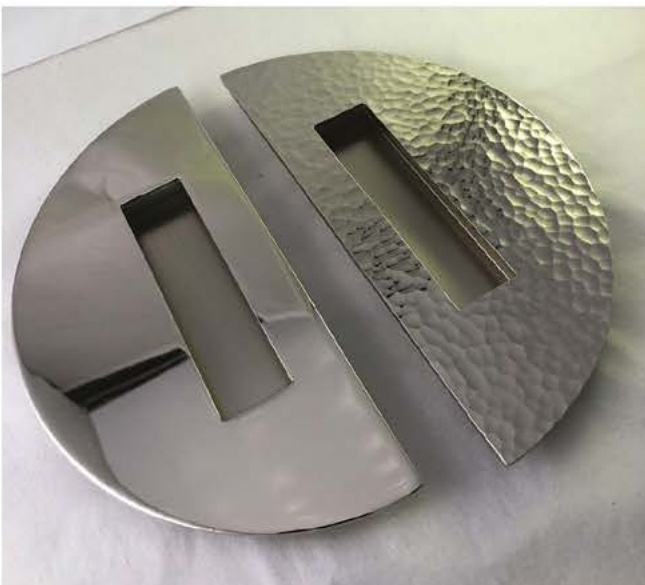
BRITISH & EUROPEAN MANUFACTURERS SUPPLYING THE FINEST QUALITY IRONMONGERY

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

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CHROMATICS GLASS

DYNAMIC AESTHETICS – WITH SAFETY IN MIND

The recent changes in legislation affecting both high level external cladding and spandrel panels have opened up increased opportunities for Chromatics safety glass as a specified product with safety in mind.

Independently tested by Exova the Chromatics Glass panel is certified as A2 s1 d0 – EN 13501-1:2007 + A1:2009 in 6mm thickness and can be used at > 18m high under the new legislation. Additionally as a rainscreen panel, due to its lightweight at circa 15kg/m², it places less demand on propriety framing systems that are now required to accommodate increased thicknesses of insulation. With the possibility of any RAL colour (subject to volume restrictions) and digital print options there is a vast spectrum of opportunity for designers to create dynamic, colourful and bespoke facades.





The recent advisory note* issued in late 2019 places responsibility on building owners to check existing spandrel panels for reaction to fire many of which have been specified on thermal performance rather than fire performance . Chromatics Glass Ltd. have recently completed a project on a social housing high rise project using a combination of 6mm thick glass with non- combustible insulation to meet the current industry demands for improved safety levels.

A particular feature of this product across all applications is safety . Chromatics safety glass is a shatterproof product which if broken retains its integrity due to its foil backing. This is of immense value when used in internal applications and high traffic areas as this avoids the need to close areas down until replacements can be arranged. Interior product is also available in any RAL and digital print offering wide scope for interior designers.

Finally , and again with safety in mind , Chromatics Glass Ltd. also offer safety mirrors available exclusively in the UK from Pilkington . This shatterproof product is particularly suitable for educational buildings , student accommodation , gymnasiums and sports centres, care homes and public buildings .

Product is available and held in stock in selected colours through Independent Glass branches within the UK.

*Ministry of Housing, Communities & Local Government. Advice Note 19.

DCLG/BSP/Advice Note/ 14/171018

**For further information contact us at :- 01904 439187
or www.chromaticsglass.com**





FENESTRATION THAT OFFERS FIRE 'AND SMOKE PROTECTION'

Aluminium remains the most widely specified material for commercial windows, doors and curtain wall so it should come as no surprise that leading European systems company, Aluprof, offer a comprehensive range of fire rated systems.

Until a few years ago, material choices were limited to timber and steel systems, but with advances in design and materials, aluminium framed products are now quickly becoming the specifiers choice. Aluprof have designed each of their fire rated products to perfectly complement their standard systems. So, for any part of any screen, window, door or curtain wall aluminium framing can be fire rated and can still retain the slim sight lines of standard systems. Some solutions are unique to the industry and available only from Aluprof such as the fire rated, capless silicon joint curtain wall system, MB SR50NEI EFEKT tested to EI60 class.

Aluprof's technical brochure entitled, 'Fire Rated and Smoke Exhaust Systems', explains in detail each product and rating. Aluprof systems offer some of the highest fire protection ratings in Europe, some reaching EI120 - that's two hours fire and smoke protection. Each system has been tested according to UK industry standards with various specialist glasses and most are fully covered by the UK's 'Certifire' certificate of approval.

The company's fire rated MB-60E EI system offers a cost effective solution for fire doors. With just a 60mm frame depth, the MB-60E EI can achieve a fire resistance class of EI15 or a EI30 according to DIN EN 13501-2 + A1. Complete with polyamide thermal breaks, the door system is ideal for use in both external or internal applications. Door sets can be manufactured with both fixed lights and opening, single or double doors, to create extensive screen assemblies.

For specification flexibility, the MB-60E EI door can be specified with glazing thicknesses of between 5 to 41 mm and can be manufactured up to 2,300 x 1,300 mm in size per door leaf. Being fully compatible with Aluprof 'MB' systems, specifiers do not have to sacrifice constant sight-lines between fire rated areas and normal glazing requirements.

The competitively priced MB-60E EI system joins a wide range of windows, doors, screens and curtain wall systems which can achieve ratings of up to EI60. Aluprof also offer a comprehensive RIBA approved CPD for specifiers titled 'The Use of Glazed Screens to Control the Spread of Smoke and Fire in Buildings'.



Bringing together more than eight decades of technical industry experience, fire glass experts Pyroguard have completed an ambitious testing programme in partnership with Aluprof a new, cost-efficient, non-insulated, slimline fire-resistant glazing system for the UK and European market.

Following two years of collaboration, the new MB-45EW framing system has been developed and rigorously tested for applications where non-insulated screens and doors are required. A first for the UK market, the slim system exceeds the current ratings of E30 and EW requirements with additional radiation reduction. Suitable for internal applications, the framing system also offers a smoke-proof screen arrangement with doors, compliant with EN13502-2. Pyroguard Integrity Plus glass is the first fire glazing tested and certified for the new system delivering EI 15 and EW30 fire performance along with 1B1 impact protection.

Wojciech Brozyna, Managing Director at Aluprof UK, commented: "As we strive to deliver a solution which is effective, cost-efficient and aesthetically pleasing to suit the needs of specifiers today, we had to overcome several challenges. The expertise of Pyroguard has been invaluable and by combining our efforts throughout the testing phase we have created a solution which exceeds current safety requirements to deliver advanced protection."

"Glazing often plays a vital role in modern buildings, but meeting functional safety requirements needn't come at the expense of aesthetics," says Vince Crook, Technical Director at Pyroguard. "By collaborating with Aluprof, we've been able to develop a fully-accredited and certified framing solution which utilises the key characteristics of our high-performing products – namely design and 1B1-classified impact protection, in addition to essential EI 15 and EW30 safety requirements."

In what is believed to be a first for the industry, the cap-less, fire rated curtain wall system MB-SR50N EI EFKT has recently been specified on a refurbishment development in Manchester. The project, known as 'The Core', is located at 24-30 Brown Street in Manchester city centre.

Originally built in the mid-1980s as the headquarters for law firm Halliwells, the building also formerly known as St James's Court, has been given an £8 million overhaul to replace the facade and re-fit the internals. The Core comprises 48,000 sq.ft of office space over six floors including a new 7,500 sq.ft roof-top extension. It is this new upper floor that proved a challenge for the architects PRP as the planners insisted on parts of the new facade would need to be fire rated due to the proximity of other buildings and future developments.

A fire rating of EI60 was required on part of the new cap-less, curved glass facade on the top floor. Aluprof's new system, MB-SR50N EI efekt, enabled the architect to have a cap-less fire rated system



whilst at the same time seamlessly blending in with areas which did not require a fire rating. Dan Holden of facade specialists Casu Consulto who designed and installed the facade takes up the story, "We were going down the route of a steel system for this project until we were introduced to this new system by Aluprof. To achieve a cap-less fire rated curtain wall system is a big development for the industry, but to be able to have the fire rated system on one side of a mullion and non-fire rated on the other side in a seamless transition, is truly impressive."

With the old heavy red brick facade removed and window openings made much larger, the new office development has been finished to shell to allow tenants to customise their space, following the trend for more individually designed workspaces. The central light-well has been opened up and windows enlarged to further add light into all floors.

The project team for the refurbishment, managed by OBI, included PRP Architects, Russells Construction, Tier Consult as structural engineer, and REDS, M&E advisor.

Serving the whole of the UK and Ireland, Aluprof UK's head office and warehouse facility is located in Altrincham, Cheshire. Aluprof systems are increasingly being specified on a wide range of residential and commercial projects across the UK. Systems are designed, fabricated and installed by selected, specially trained local companies, to ensure each fabricated product meets Aluprof's exacting standards.

Further information is available on the company's website at www.aluprof.co.uk and specialist advice is available directly from Aluprof's UK head offices on +44 (0) 161 941 4005 or from their London office, based at the Business Design Centre, Islington, on +44 (0) 207 288 6415.

ISLAND GATEWAY IS FERRY, FERRY NICE

A new ferry terminal, created as a tourism and community gateway to the Isle of Arran, has been fitted from stem to stern with products supplied by GEZE UK.

The stunning development is part of a £30 million investment intended to upgrade the harbour, make it fit for 21st century travel and enhance passenger experience.

The terminal, designed by architects, Norr of Glasgow, is ship-shaped – following the traditional lines of a sea bearing vessel and is clad in sandstone. It proudly sits near the water's edge and is filled with natural light that pours through a wall of windows fitted to the 'stern' of its west elevation which are operated by 30 GEZE Slimchain drives.

They provide the light and spacious feel to the building's main entrance which opens out into a reception area. The Slimchain drives a natural ventilation system facilitated by a GEZE MBZ 300 two-zone control panel, which is integrated into the terminal's building management system (BMS).

These have been placed throughout the two-storey building including in the departure lounge, alongside the GEZE Powerchain drives on the upper vents that were chosen to operate the larger windows. The lounge benefits from a double-height room with stunning views across Brodick Bay.

Stairwells were also fitted with Slimchain drives alongside GEZE OL Line manual opening systems to enable natural smoke and heat ventilation if required, and to give additional natural ventilation.

Beneath the glazed western elevation are two automatic swing doors to either side. These are powered by GEZE Slimdrive EMD-F operators - electro-mechanical drives that are extremely versatile, providing easy access for those with mobility issues. They provide power assisted opening and can be initiated using the operating button with guaranteed constant opening and closing speed.

At just 7cm high, the Slimdrive EMD-F operators are extremely discreet and sit neatly on the door frame. They offer a low-wear, high-performance system which is exceptionally quiet in operation.

A further Slimdrive EMD-f was fitted to one of the side elevations of the building.

From the main entrance, accessed by its pass doors, a glazed corridor leads to a bi-parting sliding door powered by a GEZE Slimdrive SL NT operator, which leads into the foyer of the main reception area.

With a height of just 7cm – Slimdrive SL NTs are almost invisible, virtually silent in operation and can move leaf weights of up to 125kg. They are ideal for buildings with high levels of footfall and a continuous flow of people heading in and out of the building.

GEZE UK worked closely with CMS Enviro Systems which installed the products for the project.

Asset owners – Caledonian Maritime Assets Limited (CMAL) – together with Transport Scotland, North Ayrshire Council, Strathclyde Partnership for Transport and the Coastal Communities Fund, invested to upgrade the facility.



The previous infrastructure was constructed in the early 1970s and had reached the end of its serviceable life. The new facilities will accommodate growing numbers of car and passenger traffic travelling to the island.

The redevelopment includes a longer and deeper, two-berth pier and airport-style gangway – safer for passengers boarding and disembarking vessels. Land has been reclaimed to provide improved parking and traffic marshalling areas.

The terminal itself incorporates 1328 sq metres of space and has capacity for 400 passengers.

Andy Howland, GEZE UK's director of sales and marketing, said: "This was a fascinating project with which to be involved. Many GEZE products were used throughout the build and much thought was given from the outset to making this an intelligent functional building geared up for the future, whilst embracing the natural environment in which it sits."

For more information about GEZE UK's comprehensive range of automatic and manual door closers call 01543 443000 or visit www.geze.co.uk

P C HENDERSON'S HUSKY SLIDING DOOR HARDWARE

Blot Architecture, a concept-driven architectural practice located in the Netherlands, has recently specified P C Henderson's popular Husky 100 sliding door system for the renovation of a luxury villa in Velp. After falling in love with the beautiful and picturesque surroundings of the National Park Veluwezoom in Holland, the architecture firm's client purchased a dilapidated 1950's villa in order to live in their dream location.



Image credit: Ossip van Duivnbode

What ensued was a sustainable refurbishment and extension project – key features included the creation of a large open plan living area, full of natural light, with the inclusion of a flexible office space built on via an extension. The client also required an entresol space on the upper floor which could be opened up or closed off to be used as a guest room when necessary. The architectural practice's solution was to install large sliding partition doors in both areas which, when combined with large windows and passageways, would allow natural light to penetrate through the building freely.

www.pchenderson.com


SUNSQUARE OPENS UP SKYLIGHT OFFERING WITH NEW ELECTRONIC SLIDING DESIGN

Architects looking for an alternative to traditional hinged opening skylights can now benefit from roof-top access and effective ventilation in seconds, following the launch of a brand new sliding skylight design from industry pioneer, Sunsquare.



As the latest addition to the British manufacturer's award-winning Aero range, the Aero Glide rooflight features a sliding pane that is available in two configurations: either over a fixed pane of glazing (allowing the maximum amount of natural light to enter), or over a cantilever frame. It is engineered to allow glass to move quickly and quietly, giving users swift access to rooftop spaces as well as instant access to fresh air.

For more information about the new Sunsquare Aero Glide skylight, or any of the products in the company's portfolio of market-leading flat-roof skylights, please visit: www.sunsquare.co.uk or call 01284 848792.

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VEKA UK GROUP ROLLS OUT THE WELCOME MATT

Industry-leading systems supplier VEKA UK Group has unveiled an exclusive ultramatt material unlike anything else in the industry.

This innovative surface, called SPECTRAL, is exclusive to VEKA UK Group and was launched at the FIT Show where it was welcomed with fantastic feedback, being hailed the 'star of the stand'.

Marketing Director Dawn Stockell explains: "This unique product uses ground-breaking technology to create an ultrasmooth, ultramatt finish that has unrivalled performance benefits.

"Visitors to VEKA UK Group's stand at the FIT Show were impressed by its smooth and modern aesthetic; someone admiring the Imagine Bi-Fold in SPECTRAL's Umbra Grey even asked the team if we had started offering aluminium systems!

"I'm told that Aztec Windows was already pricing jobs using SPECTRAL swatches the day after we launched it on the first day of the show.

"SPECTRAL has been years in the development, and has been created with our customers at the very heart of the process. We understand the need for original products that not only look great, but offer exceptional performance. We identified a gap in the market for a highly durable matt product that we could guarantee would look great for years to come, and which would bolster our customers' already impressive product offering.

"Matt finishes seem to be growing in popularity on everything from cookers to cars, but rather than just being a 'fashion fad', the construction industry has been seeing a steady rise in demand for this look for a number of years.

"Matt has long been favoured by architects and designers, and this sophisticated aesthetic is now being demanded by style-conscious consumers.

"SPECTRAL uses next generation surface technology to create an extraordinary finish that simply cannot be matched by any other matt PVCu surface on the market. It is highly scratch resistant, has anti-fingerprint properties and is also extremely resistant to UV light, extreme weather conditions and harsh chemicals. Dirt can be wiped away with ease, for a product that stays beautiful for longer.

"By absorbing rather than reflecting light, SPECTRAL offers a denser, richer quality of colour, and because it is velvet to the touch, it feels just as good as it looks."

Simon Wade, MD of Rugby Double Glazing, was very impressed with the SPECTRAL products featured on the stand and believes



that sophisticated colours and finishes are the answer to further success for installers: "This is the future of our business.

"Homeowners that we deal with want to add as much style and personality to the outside of their home as they do with, say, a new kitchen. We need to offer a wealth of different options to stay ahead of the competition. I think the new SPECTRAL finish is phenomenal, and with its aluminium 'look', it could also potentially open up more commercial opportunities for us too. I've already requested some samples for the showroom."

SPECTRAL is available in four sophisticated shades – Graphite Black, Anthracite Grey, Platinum Grey and Umbra Grey. These specialist colours are made to order with a four week lead time and can be laminated on one or both sides of the product. They can also be complemented with stunning shades from VEKA's Variations colour range.

For more information, or to order a SPECTRAL swatch book, call 01282 716611, email salesenquiry@veka.com or visit www.veka.co.uk

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Tommy Walsh talks Crocodile Glass Verandas.



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What do you class as a 'complete'* doorset?



Traditional on-site construction

- ⊗ Lack of co-ordination
- ⊗ Fire certification issues
- ⊗ Incorrect sizes and finish
- ⊗ Incompatible hardware selection
- ⊗ A poor quality finish, due to limited working space

Kingsway's doorset innovation

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- ✓ Correct size and finish
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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.



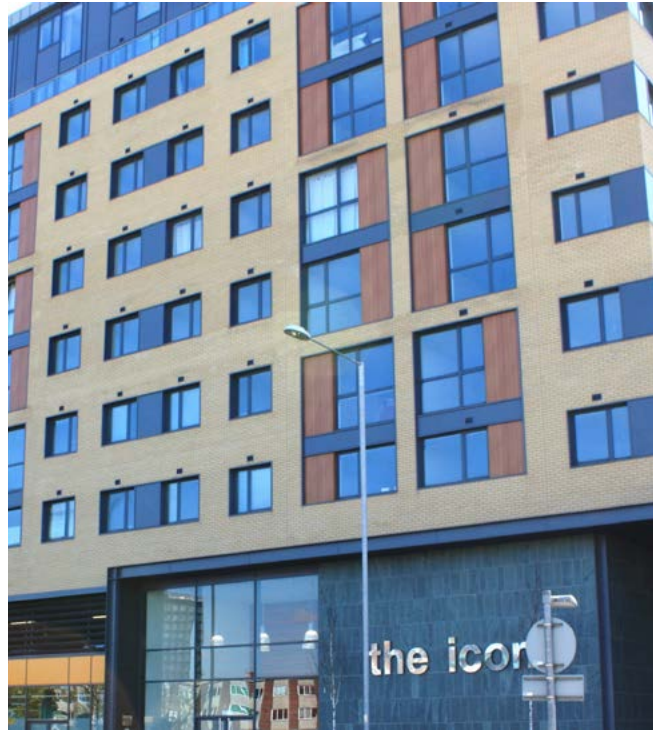
COMAR 5P.I ADVANCED WINDOW SYSTEM

Integration is the key factor which underpins the latest new product launch from Comar Architectural Aluminium Systems. Their market leading Comar 9P.i Framing system offers fast-track semi unitised construction for floor to ceiling glazing, allowing tilt/turn or casement windows to hang direct from the Comar 9P.i Frame as well as rebated doors. With the addition of thermal foam and triple glazing Comar 9P.i offers U-values down to 0.77, creating a future proof solution for their architectural, contractor and fabricator partners.

Comar announce they have incorporated the technology from their Comar 9P.i system into the Comar 5P.i window range, and are now launching the Comar 5P.i Advanced Casement and Tilt/ Turn window system which integrates seamlessly into Comar 9P.i creating the option for standalone high performance windows.

The brief to Comar's Design Team was to specifically meet architectural demands; low U-values, matching slim sight lines for both the casement and tilt/turn, large glazing pocket for acoustic glass, secured by design and large sizes. For their contractor and fabricator partners, performance with built in fast-track fabrication and installation.

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METAL TECHNOLOGY ENLIGHTENS BREEAM OUTSTANDING RATED OFFICE

Grade A office development, Aurora, at Bristol's Finzel's Reach, is the perfect example of design and sustainability working seamlessly to create a striking architectural landmark using the latest technology from architectural aluminium systems' firm, Metal Technology. The seven storey 95,000 sq ft building features a stunning glass atrium, basement car and bicycle parking with electric vehicle charging points, plus five upper levels of accommodation.



With a key focus on sustainability, Aurora is the first BREEAM 2014 Outstanding rated office outside of London, achieving a score of 91% and one of only eight BREEAM outstanding offices in the UK.

Utilising Metal Technology's System 17HR curtain walling on all elevations, this impressive office development not only meets high sustainability standards, it also delivers a striking aesthetic. Particular attention was paid to the south elevation where a bespoke brise soleil system was introduced using purpose designed bracketry to carry the opaque glass blades. The building also utilised Metal technology's 5-20D Hi+ doors and 4-35Hi+ casement windows from their range offering high levels of weathering, thermal and security performance.

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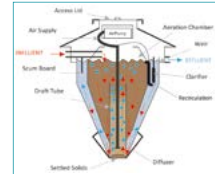


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HEART OF LONDON HOSTS THOUGHT PROVOKING DISPLAY ALONG PICCADDILLY, **ST JAMES'S TO CELEBRATE LONDON FESTIVAL OF ARCHITECTURE**

: LONDON FESTIVAL OF ARCHITECTURE

Debuting as a festival hub for the London Festival of Architecture, Heart of London (representing St James's, Piccadilly Circus, and Leicester Square) plays host to a thought-provoking flag installation on the famous street of Piccadilly, St James's throughout June.

Designed by world renowned architecture firm Rogers Stirk Harbour + Partners, the vibrant and unique flag designs explore the London Festival of Architecture 2019 theme 'Boundaries' and encourage visitors to take the time to explore Greater London's physical, political, social and economic boundaries that exist in our modern day lives.

"It is our hope that this series of banners above Piccadilly will encourage all passers to contemplate some of the political, physical, visual, spatial, social and boundaries that exist within the city around us.

More importantly, our aim for this study is to effect a lively and colourful intervention along Piccadilly for all to enjoy — a splash of colour and the opportunity to provoke a thought, a smile, or even just a nice photo opportunity.

We were delighted to be able to work with the Heart of London as part of the London Festival of Architecture, and we hope that these banners will brighten up a few days in the month of June, perhaps generating some truly great Instagram moments." Says John McElgunn, Partner at Rogers Stirk Harbour + Partners

Consisting of six designs, each row of banners explores the

limitations of London with themes including: greater London and its boroughs, the river Thames and arterial routes, city-wide London View.

Management Frameworks, London's parks and squares, suburban housing and large-scale interruptions and the private dwelling.

An accompanying exhibition will be hosted in the St James's Church gardens, where visitors can further appreciate each design and the questions they pose. Exploring the London Festival of Architecture's theme 'Boundaries', the colourful and spirited flag installation and exhibition also endorse the work of the Heart of London Business Alliance's mission to tackle homelessness in the West End.

For further information on events occurring in St James's, Piccadilly Circus and Leicester Square during the London Festival of Architecture, visit hol-lfa2019.co.uk

Further information on the flag designs can be found below:

GREATER LONDON

The Boroughs That Divide Us

The pink row of banners down Piccadilly, St James's showcases the boundaries between different levels of local and municipal governance; from the citywide strategic administration of the Greater London Authority to the more focused administration carried out by the 33 local authorities of each borough. These authorities range from some of the wealthiest to the poorest in the country, and there are some thought-provoking social boundaries to note within each borough. Camden, for example, has a 10-year difference in life expectancy from its southern edge (Euston Road) to its northern edge (Highgate).

THE RIVER THAMES AND ARTERIAL ROUTES

Mind the Gap

Londonium was established as a Roman settlement on the River Thames around AD 43. The town became a thriving trading post and grew into the City of London thanks to the power of commerce. Imports and exports of goods from around the world passed through the London docks via the Thames. Today, some 2000 years later, the Thames acts more as a barrier between north and south of the city. The orange row of banners shows how the Thames dissects London, and overlaid is a series of other arterial routes. However, these routes are deceptive, as they are not the main roads but the London tube lines. The routes reveal the chaotic reality of the underground system, which emerged from several competing railway companies, rather than the sanitised version of Harry Beck's London Underground Tube map that we all know and love. Here we see another boundary – between the physical and the representational.

CITY WIDE LONDON VIEW MANAGEMENT FRAMEWORKS (LVMF) – STRATEGIC VIEWS

Corridors of Sky

Rarely considered, boundaries between the earth and the sky have also been created within London. Particular views of St Paul's Cathedral and Westminster Palace are protected from a series of strategic viewing points such as Primrose Hill, Alexander Palace and King Henry VIII's Mound in Richmond Park. As demonstrated by the red row of banners these corridors slice through the city at different angles but are almost invisible unless you stand at the correct viewing spot. As soon as you move sideways these views disappear. These slices become even more important when you understand that across all 33 boroughs there are currently 451 towers in planning, none of which will be permitted to stand within one of these 'viewing corridors'. It is these corridors that give rise to the tight group of towers in the city of London, with the group known as the 'Eastern cluster' sitting in a small triangular area between three different viewing corridors

LONDON'S PARKS AND SQUARES

It's Not Easy Being Green

The green row of banners represents the boundaries between the dense urban street pattern of Mayfair and Piccadilly, and areas of respite and breathing space. In this row you can see St James's Square and a glimpse of both St James's Park and Green Park, all of which provide relief within the urban fabric. These represent the boundaries between public and private urban space. Further west (or left) we see the vast open space of Hyde Park, formerly the private hunting grounds of Henry VIII in the 16th century. The park was opened to the public in 1637 and hosted the Great Exhibition and the Crystal Palace in 1851. At 350 acres it is one of the largest urban parks in the world



SUBURBAN HOUSING AND LARGE-SCALE INTERRUPTIONS

Same Same but Different

London offers many scales and types of physical boundaries. In the dark blue row of banners we witness the relentless march of the spectacular Georgian and Victorian terraces. Long, repetitive rows follow established routes such as transport lines, and sometimes trace the natural contours of the land, forming a constant backdrop to much of London. Boundaries between domestic and municipal are represented here; note the sewage treatment works interrupting terraced housing in west London.

THE PRIVATE DWELLING

A Place to Call Home

The final boundary in this series represented by the light blue row of banners is the most personal – the physical size of the space we occupy in our homes, and the ultimate boundary between public and private space. Each row of banners is 40 square metres when combined. This is actually larger than the minimum size of a one-bedroom studio flat, which must be at least 39 square metres according to the national space standards for new dwellings. In this row you can make out the living room, kitchen, bathroom and bedroom of an apartment at real scale 1:1. Market housing in the UK does not benefit from any space standards. As a result of this lack of standard the UK has some of the smallest homes in Europe.

Finally, did you spot the cat on the sofa? We've named him Bob, after the star of the 2016 biopic 'A Street Cat Named Bob'. Bob was the motivation to help homeless busker James Bowen off the streets and is now helping highlight the issue and raise much needed funds for the outreach work so vital for our streets.

www.londonfestivalofarchitecture.org

CONSISTING OF SIX DESIGNS, EACH ROW OF BANNERS EXPLORES THE LIMITATIONS OF LONDON WITH THEMES INCLUDING: GREATER LONDON AND ITS BOROUGH, THE RIVER THAMES AND ARTERIAL ROUTES, CITY-WIDE LONDON VIEW.

CORRIDORS REFRESHED WITH YEOMAN SHIELD WALL & DOOR PROTECTION

Following in the footsteps of a string of successful installations at the Northern General Hospital, Sheffield, Yeoman Shield products were again chosen as part of the refurbishment of the hospital's Firth C & D floor corridors.

With the need to refresh the interior walls and doors, as well as future proof them from further damage and marking, a variety of products from Yeoman Shield's range were employed.

Corridor doors, which are on the frontline when it comes to impact damage, were fitted out with Yeoman Shield Door Edge Protectors and PVCu clad glazing beads, both in a graphite colour. Contrasting Mid Grey Door Protection Panels were installed to both sides of the doors with vulnerable architrave and framework also protected by Yeoman Shield products.

This comprehensive, fire rated, door protection system will extend the life cycle of expensive fire doors helping to keep them in good working order.

Yeoman Shield Guardian Handrails in the same colour scheme were fitted along the hospital passageways. Bespoke metal brackets were manufactured by Yeoman Shield to implement the spanning of the rail over pillars through out a glazed corridor.

Beneath the handrail 2mm thick FalmouthEx Wall Protection Panels were fixed to offer low level protection. A cream colour was chosen for the panels accompanied by Mid Grey Corner Protection Angles to keep a light and airy feel to the scheme.

Pete Trenchard, who specified and project managed the scheme on behalf of Sheffield Teaching Hospitals added "When carrying out improvements and refurbishment of the corridors, in line with the STH standard colour scheme and standard fit out, I was keen to incorporate the Yeoman Shield range of products to achieve a long-term solution.

"The specification of Yeoman Shield products on corridor walls, vulnerable corners, doors, frames & architraves, protects the fabric of the corridors without detracting from the visible aesthetic appearance expected of a hospital environment.

"I worked closely with the Yeoman Shield team through the design and specification phase, drawing on their expertise to find a cost-effective fit for purpose solution. The site survey and installation offered a start to finish package which has been contributory to the successful and well received outcome of the project".

For information on Yeoman Shield wall & door protection products suitable for refurbishment projects go to www.yeomanshield.com or call 0113 279 5854.






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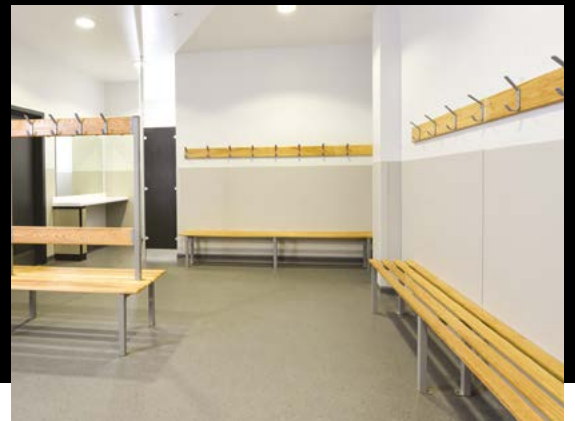
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ALAIN SARFATI BRINGS LIGHT

: SAREA



The former building of the SAGEP (Société Anonyme de Gestion des Eaux de Paris) is no longer in use. In its place, at 7-9 rue Schoelcher in the 14th arrondissement of Paris, we discover a brand new apartment building, which, like the old one, bears the so personal mark of its architect, Alain Sarfati. Because already in 1992, it was Alain Sarfati who was called upon by SAGEP to transform an old office building into an emblem for the company. Bought from the City of Paris by RIVP to create housing, the building was therefore entrusted to the same architect to carry out this new mission.

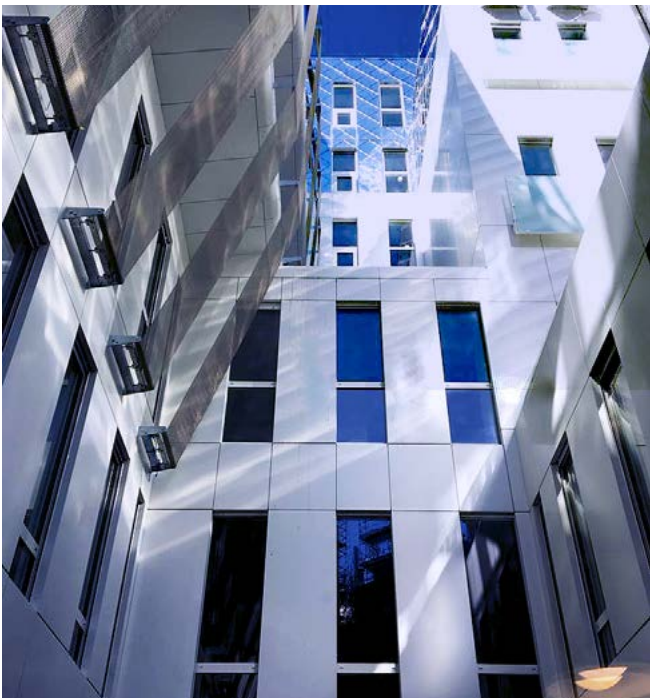
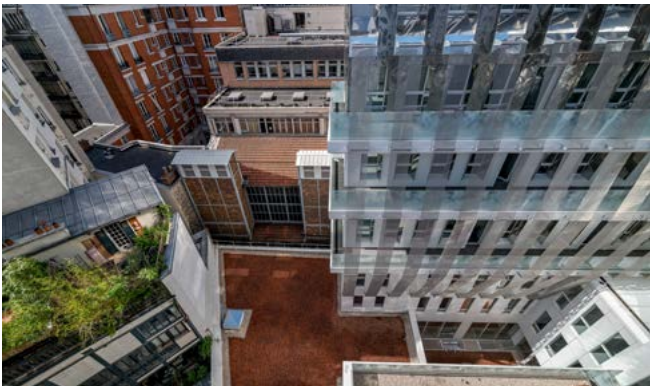
The recommendation of the City of Paris was to preserve the facade designed by Alain Sarfati in 1992. It reigns, therefore, different and yet in harmony, in the middle of the other buildings of this increasingly white street with all its bright facades. Today, it has simply equipped itself with thermal insulation that will give the homes the expected comfort.

RESPECT FOR DIFFERENCE

The 3,833 m² of office space has been transformed into 54 different housing units. At the origin of these differences, the architect's desire to draw his plans by transforming into an opportunity the contextual constraints that were offered to him within the building: separation, partitions, stairs.... For Alain Sarfati, diversity has always been a key value in respecting differences and cultures, and for housing, a quality that encourages ownership.

A RADIANT AND ALWAYS RENEWED STYLE

The ode to life, to light, to nature have always been the main themes of his many works. It is by discovering the interior façade of the building, which overlooks the courtyard, that we are struck by the personal genius of the architect, who does not seek to respond to any fashion, any diktat, but to liberate within his unbridled creativity everything that will offer the inhabitants of the building an optimized and personalized universe. The façade covered with silver panels creates a surprise, a delight of light that evolves with the clouds and the sun. Thanks to this kaleidoscopic effect, even the apartments on the lower floors directly overlooking the courtyard receive pieces of sky and sunlight. Fluidity and lightness



are the order of the day. The walkway on the 5th floor offers the inhabitants a moment of almost emotional stroll before entering their respective apartments.

It is difficult to be sad in Alain Sarfati's architectural achievements! The extraordinary is the harmonious integration of this "enchanted" courtyard into the tangle of backyards that are well known to our Parisian eyes, forming a familiar and eminently reassuring whole in its urban character.

THE PRIORITY OF EVOLVING HOUSING

The Schoelcher Street building is also a real demonstration of the need and possibility for architects to consider several lives and changes in use for the buildings built, in particular to take into account the scalability of housing. Nowadays, the evolution of the family, the increase in life expectancy and the evolution of the world of work are completely disrupting the design of housing. The quality of these must be measured by their ability to transform.



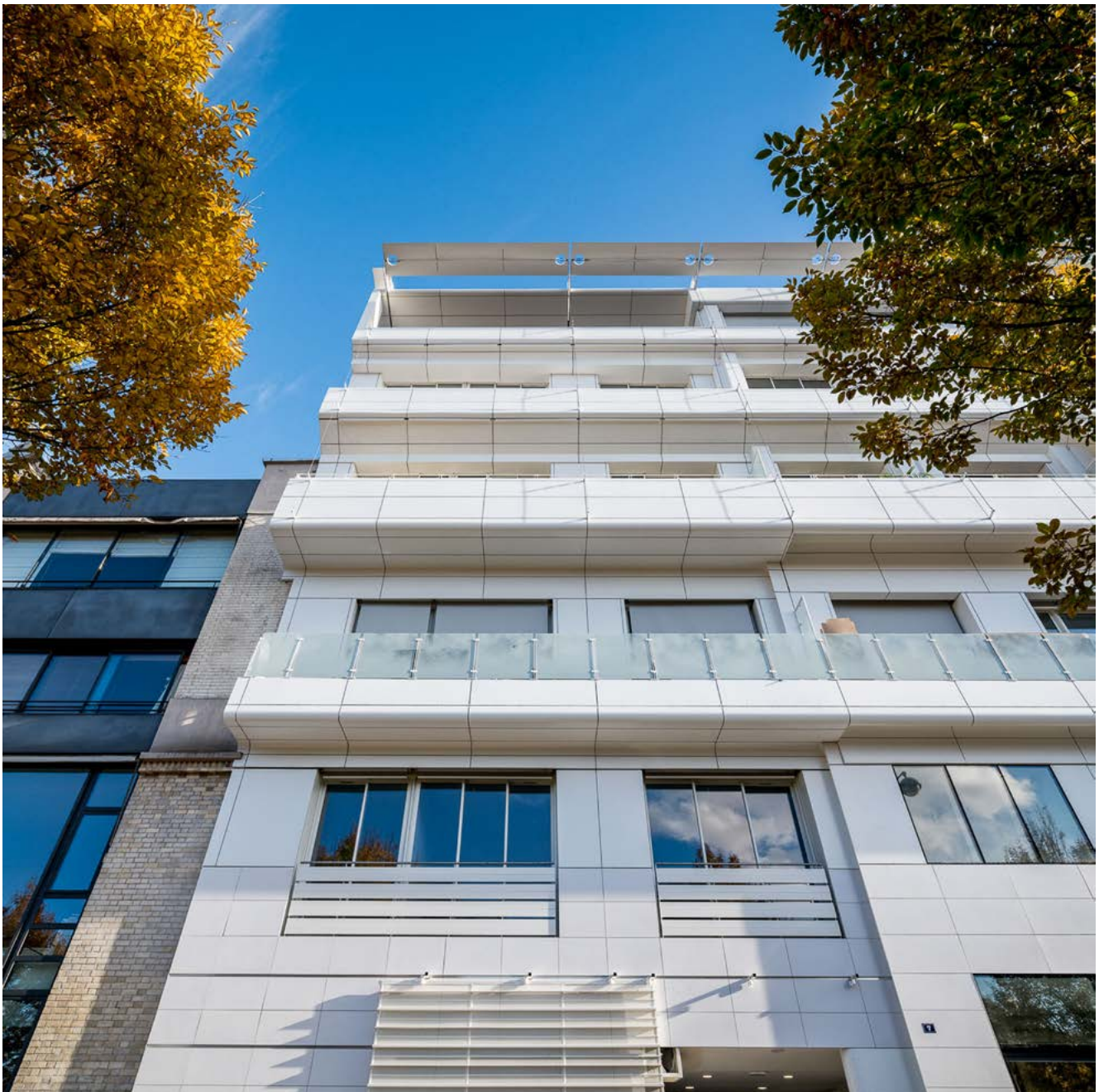
THE 3,833 M² OF OFFICE SPACE
HAS BEEN TRANSFORMED INTO 54
DIFFERENT HOUSING UNITS

THANKS TO THIS KALEIDOSCOPIIC EFFECT, EVEN THE APARTMENTS ON THE LOWER FLOORS DIRECTLY OVERLOOKING THE COURTYARD RECEIVE PIECES OF SKY AND SUNLIGHT

A DESIRABLE FUTURE FOR EVERYONE

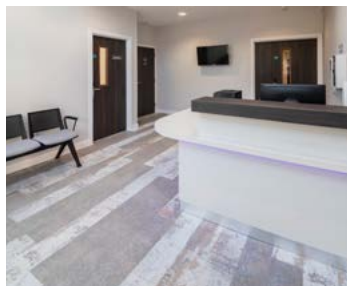
For a century, the construction of social housing was frozen in its aesthetics: HLMs were to resemble HLMs. This is not Alain Sarfati's conception. Housing is a natural part of the city, without having to decline its titles or financing terms. The architectural approach is essential when it comes to projecting yourself into a desirable future, to create a tailor-made apartment, tailored to each family. The building on rue Schoelcher is an opportunity for Alain Sarfati to strongly mark his positions: "I have always wanted a democratic, i. e. urban architecture in the sense that it is part of the common good. I have always wanted it to be social, that is, attentive to differences, and I have always wanted it to be poetic, that is, to meet an expectation other than technical.

www.sarea.fr



POLYFLOR'S EXPONA AND POLYSAFE ARENA MAKE HEALTHY ADDITION TO INHEALTH EXPANSION

Polyflor's Expona Commercial and Polysafe Arena flooring ranges were selected for the expansion of InHealth's community endoscopy service in Oxfordshire with the opening of an additional state-of-the-art Community Health Clinic in Bicester. The clinic houses a spacious consulting room, a procedure room equipped with high-end endoscopy equipment, 2 recovery rooms with beds and a rest area with reclining chairs for patient comfort and safety. InHealth is the UK's largest specialist provider of diagnostic and healthcare solutions.



Installed by The Commercial Flooring Co. of Bicester, Polyflor Expona Commercial in Blue Recycled Wood was used for the staff room and kitchen area, with the shade Painted Cement across the reception and entrance. A great addition to the development, it is ideally suited to heavy commercial areas within the retail, leisure, office, education and healthcare sectors. Replicating the beauty of natural timber and uniqueness of concrete, these shades offer an original and unique Expona Commercial design.

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HIGH COVERAGE

NEW FROM HAVWOODS: CORK WALL TILES

NEW FOR 2019 - International wood flooring brand, Havwoods has introduced a new collection of solid cork wall tiles to its Vertical collection.



A unique concept in wall coverings, the 3D Cork collection is available in three signature designs: Giza, Modo and Reyes. The surface of each feature tile offers a highly textured, raised-pattern finish that is designed to add interest to vertical surfaces, whether used as an accent panel or across a full wall scheme. All three styles are offered in two sizes of 150 x 150mm and 300 x 300mm and three colours to allow for imaginative formats and patterns to be created with ease.

Cork is the outer bark of the cork oak tree, which grows mainly in the Mediterranean region. It can be harvested from the same tree for around 200 years making it an environmentally friendly, renewable and sustainable surface choice for interior installations. Alongside its eco credentials, cork is also a natural sound and heat insulator, whilst also being dust, bacteria and fungus repellent. Cork is an amazingly versatile design material; by altering the tonal variations and layering of Havwoods' Cork 3D tiles, it is possible to create a whole range of stunning textures and visual effects.

www.havwoods.co.uk





POLYFLOR LAUNCHES NEW POLYSAFE STONE FX SAFETY FLOORING COLLECTION

Polyflor, the leading UK Manufacturer of commercial and residential vinyl flooring is delighted to announce the launch of the new Polysafe Stone fx PUR collection. Developed to capture the beauty and authenticity of stone and concrete surfaces, Polysafe Stone fx is a distinctive safety flooring collection designed for engaging interior environments which require the assurance of sustainable wet slip resistance.

Engineered for safety, Polysafe Stone fx features virtually invisible aluminium oxide particles integrated throughout the performance layer to provide a safety flooring which is both functional and beautiful. These carborundum-free safety particles ensure that Polysafe Stone fx offers full HSE compliance and sustainable wet slip resistance, achieving 36+ on the pendulum wet test and a ramp test of R10. Polysafe Stone fx also conforms to the EN 13845 European safety flooring standard with successful completion of the 50,000 cycles abrasion test.

Tom Rollo, UK and International Marketing Director comments, 'Specifically designed to be a practical choice for contractors and specifiers alike, the new Polysafe Stone fx has been neatly aligned to our hugely popular Polysafe Wood fx collection and can be used in front of house environments where we see significant

opportunities for the products to work together in engaging interior design schemes'.

The Polysafe Stone & Wood fx collections together present endless possibilities to create safe, contemporary interior spaces. Contrasting stone and wood effect finishes beautifully demonstrate how design and function can go hand in hand and be the perfect solution for interior environments where both the flooring aesthetic and safety performance are a priority.

Designed for low maintenance costs, Polysafe Stone fx features the renowned Polysafe polyurethane reinforcement (PUR) cleaning enhancement. Cross-linked and UV cured, Polysafe PUR is a super strength reinforcement designed to facilitate even easier cleaning, whilst providing optimum appearance and colour retention as well as improved soil release. Polysafe Stone fx is a sustainable flooring choice, built to last and 100% recyclable via the Recofloor scheme.

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.

Website: www.polyflor.com Email: info@polyflor.com

Polysafe™ Stone & Wood fx



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Polysafe Stone & Wood fx is a distinctive collection developed to capture the beauty and authenticity of material surfaces, across a range of high clarity stone, concrete and wood effect flooring designs.

Virtually invisible aluminium oxide particles are integrated throughout the performance layer to provide a safety flooring that is both functional and beautiful. Polysafe Stone & Wood fx offers full HSE compliance and sustainable wet slip resistance, achieving **36+** on the pendulum wet tests.



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COVERING THE WORLD



FIFTH EDITION: THE PRIX VERSAILLES CELEBRATES THE WORLD'S MOST BEAUTIFUL **CAMPUSES, PASSENGER STATIONS AND SPORTS FACILITIES**

SECRETARIAT OF THE PRIX VERSAILLES

Now more than ever, the Prix Versailles underscores the role that economic agents of all sectors may play in beautifying and improving our living environment.

Everyday architecture should be a tool for a form of sustainable development including its various components: ecology (green economy) and society and culture (purple economy).

The scope of the Prix Versailles process is unique in the world. It promotes the creation of quality spaces in every inhabited area.

After a far-reaching call for submissions and a systematic media analysis, the 72 continental winners in the four historical Prix Versailles categories (Shops & Stores, Shopping Malls, Hotels and Restaurants) are revealed on 29 May 2019.

At that time, 12 winners are recognized in each of the six Prix regions: Africa and West Asia – Central America, the South and the Caribbean – North America – Central Asia and the Northeast – South Asia and the Pacific – Europe.

They will be invited to compete for the World Titles (Prix Versailles, Interior and Exterior) at the World Finale held at UNESCO Headquarters at 5:30 pm on 12 September 2019.

Campuses, Passenger Stations, Sports
The Secretariat has announced the World selections for the three new Prix Versailles categories: Campuses, Passenger Stations and Sports.

18 candidates have been chosen to compete (six university campuses, six passenger stations and six large sports facilities).

The 2019 World Judges Panel, whose members will be identified in a forthcoming communication, will be tasked with naming the most beautiful campus, the most beautiful passenger station and the most beautiful sports facility in the world. For each category, the judges will also discern awards for the most beautiful interior and the most beautiful exterior, resulting in nine World Titles.

The results of the deliberations for the categories of Campuses, Passenger Stations and Sports will be finalized on 4 July 2019, in anticipation of the World Awards Ceremony on 12 September 2019 at UNESCO.

The criteria used to single out the world's best projects encompass a variety of qualities, including innovation, creativity, reflection of local, natural and cultural heritage, and energy efficiency, as well as the values of social interaction and participation which the United Nations holds in high regard.



THE SCOPE OF THE PRIX VERSAILLES
PROCESS IS UNIQUE IN THE WORLD.
IT PROMOTES THE CREATION OF QUALITY
SPACES IN EVERY INHABITED AREA.

EVERYDAY ARCHITECTURE SHOULD BE
A TOOL FOR A FORM OF SUSTAINABLE
DEVELOPMENT INCLUDING ITS
VARIOUS COMPONENTS

WORLD SELECTION PRIX VERSAILLES CAMPUSES 2019

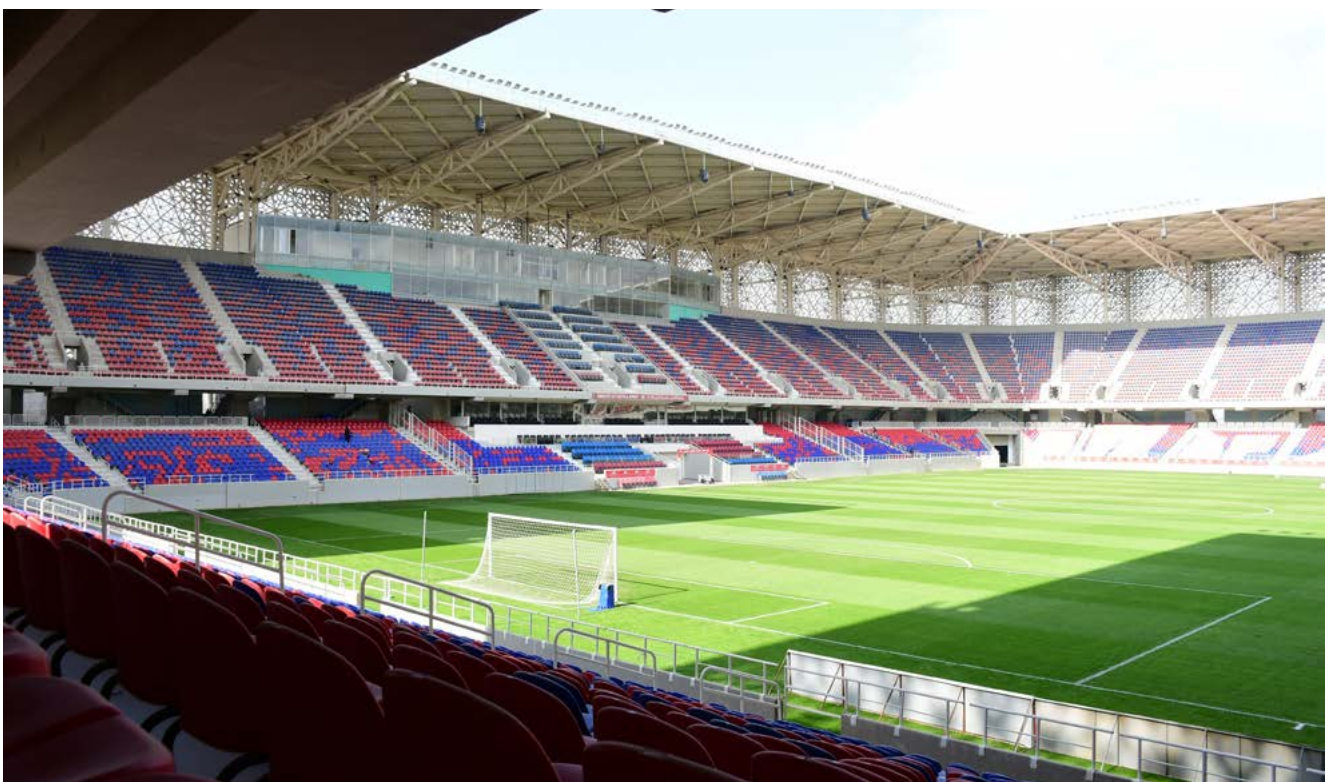
- University of Klagenfurt, Alpen-Adria-Universität Klagenfurt (Klagenfurt, Austria)
- The Hong Kong Jockey Club University of Chicago Academic Complex | The University of Chicago Francis and Rose Yuen Campus (Hong Kong, China)
- Barnard College, The Cheryl and Philip Milstein Center for Teaching and Learning (New York, NY, United States)
- Stanford University - Denning House (Stanford, CA, United States)
- School of Planning and Architecture, Vijayawada (Vijayawada, India)
- Skolkovo Institute of Science and Technology (Moscow, Russia)

WORLD SELECTION PRIX VERSAILLES PASSENGER STATIONS 2019

- Yangcheng Lake Tourist Transportation Center (Suzhou, China)
- Helix Cruise Center (Barcelona, Spain)
- Montpellier Sud de France Train Station (Montpellier, France)
- Kenitra Train Station (Kenitra, Morocco)
- Rabat-Agdal Train Station (Rabat, Morocco)
- Tanger-Ville Train (Tangier, Morocco)

WORLD SELECTION PRIX VERSAILLES SPORTS 2019

- Optus Stadium (Perth, Australia)
- Hangzhou Sports Park Stadium (Hangzhou, China)
- Édgar Rentería Stadium (Barranquilla, Colombia)
- Louis Armstrong Stadium (New York, NY, United States)
- Al-Najaf Stadium (Najaf, Iraq)
- Luzhniki Stadium (Moscow, Russia)



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Humidity Solutions introduces the new HomEvap to the UK market, providing safe and precise humidity control and/or low energy cooling for residential, commercial or preservation applications.

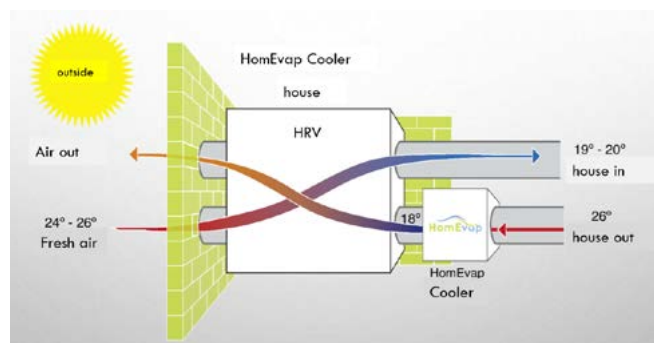
With four different models, the system can be applied to a range of buildings or conditions and, whilst ideally included in the initial design of a property, it can also be retro-fitted.

Fitted to an air stream such as an HRU, the HomEvap Humidifier connects inline to provide humidity-controlled air to space. Using the adiabatic evaporative process, the water wastage is low, as is the energy usage. A built-in heater can warm the air to overcome the cooling effect if required.

The HomEvap Cooler can be fitted to the warm air extract prior to the HRU so that in this instance the cooling effect is transferred to the incoming air without humidity, providing up to 2kw of cooling for 20w of energy. Both solutions can be combined if required, with a single controller providing the brains behind the technology. All controls and sensors are included in the package making it a plug and play solution.

If there is no airflow, the HomEvap Direct is the solution. This system is stand alone, using a low energy, quiet fan, and can be discreetly positioned above a ceiling or in a cupboard.

This innovative humidifier from HomEvap increases comfort in every living and working environment and ensures a healthy indoor climate. HomEvap evaporators were developed as energy-efficient humidifiers, coolers and combined solutions for offices, homes, hotels and public facilities.



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STAFFORD LAUNDERETTE AWASH IN COST SAVINGS

Rinnai has just completed the installation of two HDC1500i continuous flow hot water heating units at a busy laundrette serving businesses and the public in Stafford. Rinnai were chosen on the recommendation of another laundrette owner, in Lancashire, who praised the efficiency and major cost savings because of switching to cascaded continuous flow hot water units as they guarantee almost unlimited supplies of hot water at peak demand whilst savings on fuel costs.

Word of mouth is the best possible marketing and a site survey was duly arranged and completed to confirm the best solution in controlling operational costs and efficiencies. The existing system was a heated stored water system – this meant that the site was paying to heat water it was not instantly using.

It was clear from the site survey that Rinnai units configured to maximise both space and energy efficiency – and critically – the system's reliability – would yield seriously large cost savings to the owner.

Given that the Rinnai units were being wall mounted and externally flued, this gave extra storage space to the premises as there was no need for a dedicated plant room.

Comments Ray Gallimore, proprietor of the Weston Road Launderette, "The old storage system had become completely impractical, inefficient and needlessly expensive to run.

"For example, the washers tend to be used sporadically. During a busy weekend there could be a demand for eight to ten people battling to use the machines at once, during the week there might be one or two. That meant we had to store a decent volume of hot water 'just in case' in the form of a storage water heater.

Needless to say, keeping the stored volume at optimum temperature 24/7 was often wasted energy, a really bad, expensive idea all round."

Clearly the site needed to change the system to one that could cater for these fluctuations without running up huge energy bills and the solution wasn't hard to find.

"I was made aware of Infinity water heaters installed in similar applications to mine and in general their experiences with their products and their personnel, such as the local Rinnai sales consultant, were consistently positive and professional."

"The beauty of working with Rinnai is the service they offer. We presented the project to Rinnai's Technical Sales team who came up with the design, configured the sizes of unit required and delivered the system complete and to a very tight timescale – this was key as the existing water heater had developed a leak and I was extremely mindful that the business had to remain operational to satisfy local demand. We are very happy with Rinnai and will be spreading the word," adds Ray Gallimore.

Now two HDC1500i internal mounted water heaters with secondary circulation provide hot water for 12 commercial machines, plus a sink and a wash hand basin.

"The Rinnai system has resulted in an energy reduction and gas saving due to higher efficiencies and because we are no longer maintaining large amounts of stored hot water. It's not rocket science to work that out!"

"In terms of gas usage running costs compared to the old wasteful storage system, our bills have virtually been halved since the Rinnai system went live five months ago which is absolutely tremendous," says Gallimore.





Rinnai's heavy-duty condensing range uses two heat exchangers to capture residual heat from flue gases to pre-heat incoming water, with the HDC1500i turning in 105% net efficiencies*. These figures add up to considerable on-going energy savings when compared with traditional gas fired stored water systems.

With a Rinnai condensing unit, temperature is regulated to within +/- 1°C via 'smart' internal controls without any variation of temperature at the outlet even when water is drawn off elsewhere. All models have full electronic ignition, no pilot light and operate on demand only, so there is no gas consumption when the unit is idle.

The units are easily configured in a manifold arrangement, ensuring there will never be a shortfall of instant hot water whatever the demand.

Rinnai, the UK's leading manufacturer of the ErP A-rated Infinity range of continuous flow condensing gas-fired water heaters, supplies the best energy efficient range of low-NoX water heating units currently on the market.

Advanced condensing heat exchangers combined with innovative burner technology ensures that every cubic metre of gas is used to the maximum on HDC 1500i.

Legionella proliferation is answered by Rinnai: the company 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 at a time when the 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.

Almost all water-fed appliances, including plate heat exchangers, boilers and water heaters will accumulate scale deposits when used within hard water areas over time. Lime scale consists of calcium carbonate (calcite) with lesser amounts of other calcium salts such as the sulphate. Sometimes lime scale deposits contain corrosion debris and this scale build-up can affect the water heaters by reducing their efficiency and overall performance.

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 has been 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 that it is time to call 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 rapid product de-generation.

Rinnai's HDC range 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 HDC range is future-proofed against future regulatory and legislative changes.

* Tested and certificated by Technigas to EN 26.

**FOR MORE INFORMATION VISIT
WWW.RINNAIUK.COM**

THE RINNAI 1200I CONTINUOUS FLOW HOT WATER HEATING UNIT – DELIVERING CONTINUOUS FLOW OF USEABLE HOT WATER

Now available is the Rinnai HDC 1200i continuous flow hot water unit with the capacity to deliver in excess of 1500 litres of temperature accurate hot water per hour, with an overall gross efficiency of more than 95%. These levels of performance, with unbeatable efficiency levels, mean the Rinnai 1200i is more than capable of meeting and exceeding the hot water demands of all applications.

This precision engineered unit can also be combined as multiple units into one single, easy to handle module incorporating cascade frames and common flue. Both the HDC 1200 internal and external models turn in a market leading energy performance of 107% net efficiency and offer superlative ranges of modulation. The systems internal analytical system can modulate the burner 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 has 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 is the only manufacturer that can supply a complete range of internal and external ultra-high efficiency condensing continuous flow water heaters, aligned not only to comply but surpass changes on the regulatory horizon.

Rinnai units and systems are now the number one choice for any size of site or large building or business 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 projects alike, where in the latter there are still many old systems that need replacing. By replacing this older technology with new condensing appliances will help support the UK drive towards greener industry.

The Rinnai Infinity HDC 1200i water heater uses heat exchanger technology to allow the largest capacity flow rates, thereby guaranteeing all the hot water needed, when it is needed. As well as increasing capacity, the Rinnai Infinity water heater has lower greenhouse emissions because of the new reduced NOx burner technology and as there is no storage, this scores well with BREEAM.

Available in both internal and external versions, HDC 1200i gives end

users 107% net efficiency as the condensing process delivers up to 95% thermal efficiency, translating into significant energy savings when compared to standard tankless water heaters.

With a continuous flow water heating unit, it will deliver limitless amounts of useable hot water, whatever the site - school, hospital, hotel, office blocks, leisure club etc with no fluctuations in water delivery temperature.

The only time the site uses energy to heat water is when there is a demand, in other words, it is only burning gas when a tap or shower is being run.

For more information on the RINNAI product range visit www.rinnaiuk.com



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FREE TRAINING FOR ALL INSTALLERS & CONTRACTORS

Rinnai, the UK leader in continuous flow hot water heating units and systems, is now offering FREE training courses to any installer or contractor who wants to extend their business and offer service and maintenance to their customers.

The FREE courses will include comprehensive training on Best Practice of system design, sizing, installation, service, maintenance, regulations and legislation both current and pending.

There is an end user expectation of being offered Service & Maintenance plans largely as a result of the domestic boiler market and other consumer appliances. Rinnai has seen enquiries and demand increase in recent years.

"We believe we make the best products in the continuous flow arena and we strive to offer the very best in customer service excellence. We are committed to the installer and contractor as the route to the end user. Offering training absolutely FREE of any charge is also part of that commitment, says Phil Nolan (Training officer) for Rinnai.

"We will be offering selected Service Plans to include Call Outs, Planned Maintenance & Safety checks in order to give specific customers a total solution. We will be, as always, working with our



installer and contractor customers to enhance and add value to their business offering," adds Tony Gittings, MD.

Rinnai produces over 12 million gas appliances every year and the products are distributed globally to all parts of the world. All units are ISO 9001 and ISO 14001 certified (International standard for environmental management systems).

Supported by many optional extras including extensive warranties and fully qualified technical after sales service teams, Rinnai is the first choice for continuous flow hot water. Rinnai hot water systems fulfil all possible requirements on new or existing projects, providing the optimum solution by using individual or multiple appliances in a cascade system.

"Rinnai employ innovative manufacturing and testing techniques to deliver unparalleled levels of safety, comfort and efficiency for the end user." says Tony Gittings

**FOR MORE INFORMATION VISIT
WWW.RINNAIUK.COM**



THE MARKETPLACE FOR HEATING AND HOT WATER HAS NOW CHANGED – TIME FOR THE INDUSTRY TO MAKE CHOICES

..... TONY GITTINGS OF RINNAI LOOKS AT THE CHANGES THAT HAVE NOW BECOME A PERMANENT AND DEVELOPING PART OF THE DOMESTIC HEATING AND HOT WATER MARKETPLACE – SELLING DIRECT TO THE CONSUMER, BYPASSING THE TRADITIONAL SUPPLY ROUTE

There is a 15 second iPhone video clip on Twitter at the moment of a big lad, full of muscles, destroying a door inside a building. It takes him two punches, one kick and both his hands to wrench the door right off its hinges. Accompanying this is some very stark copy which talks about how he'd had a job booked in to install a boiler, but he had lost out on price to one of the big, direct-to-consumer online brand names. His fury carries over from the film to the text with some very explicit language.

The change in the domestic heating and hot water marketplace is that online buying is now taking over the supply chain. The boiler manufacturers, some of them, want to sell more and more direct to the consumer. It is as simple as that. The traditional route to

market of: manufacturer -merchant/distributor – installer-end user/consumer is getting to be less and less and may well soon be gone. The new route to market may well have some casualties – the merchants/ distributors and installers. It may well hit installers hardest in terms of prices being driven down.

Boiler producers have traditionally made their margin at the factory gate. – The merchant/distributor may never of made the size of margins, on boilers, anywhere near as much as the manufacturers. Traditionally the merchants/distributors relied on the branded boilers to bring the installer into their sales arena and buy all the materials for an installation and make up the margins on fittings, piping and ancillaries.

The fact that life is online now, and that almost all household expenditure goes through the web, is now cast in stone, for time being anyway. The change in consumer spending can be summed up by the following reports>

The BBC News website and the Retail Gazette recently extensive articles and reports on the dramatic demise of shopping centres and malls. Dead or dying High Streets, zombie retailing – the clichés were wonderfully employed.

Retail Gazette quoted some very heavyweight financiers – APAM Asset Management. They reckoned that there were as many as 200 – yes, two hundred - shopping centres that were financially on the edge of business existence.

Asset management firm APAM estimates that hundreds of shopping centres worth around £7 billion are in danger of breaching debt covenants. This number has reportedly increased by 75 per cent since last year, as falling market values and increasing numbers of CVAs butcher the sector.

Retail Gazette reported that APAM's executive director Simon Cooke said this was in part due to lack of reinvestment by private equity owners, with the average shopping centre in the UK having changed hands or been refinanced three-and-a-half years ago. The BBC News report quoted Retail Gazette and also added in its own experts.

Mr Nelson Blackley, from the National Retail Research Knowledge Exchange Centre, said the growth of online retail in the UK - on sites such as Amazon - had been faster than in almost any other retail market in the world. The demise of "major anchor stores" like BHS and Toys R Us and the rise of online shopping has caused a "downward spiral", said Mr Nelson Blackley.

"If the major anchor store moves out, that has a halo effect on other stores in that centre. It's a downward spiral and you can't fill shopping centres with nail bars and vape shops." Mr Blackley, who is based at Nottingham Trent University's Nottingham Business School, pointed to research in the Financial Times that suggested about £2.5bn worth of shopping centres and retail parks are up for sale in towns and cities across the UK.

Some of this marketing is unofficial and not in the public domain," he said.

"It's a trend that's moving very quickly. You don't necessarily want to be in the business of owning shopping centres at the moment." No kidding Mr Blackley.....

A prominent and nationally operating installer friend of mine put it this way in nicely earthy language, "I am not that old, but I remember Woolworths going out of business in the late 90s and look recently at BHS and the House of Fraser going down the plughole - massive names in retailing. As an installer I am so alive to the change in my customers buying habits. You don't a PhD in 'The Blindingly Obvious' to realise the game has changed. I think it is a matter of concentrating on the 'new' and not wasting time on the old ways. They are gone."

We made our own decisions several years ago. Then, about 30% of our total sales were through the distribution route to market. That is now around 15% and that is with distributors which are geographically and strategically placed to deliver - direct to the installer.

It is not difficult to envisage that with just a few years that the big brand names will be aiming everything they've got direct to the end-user/consumer. But it may well be at the expense of the installer, who may well have to work on an iron-clad fixed price basis which may not be the true value of the job.

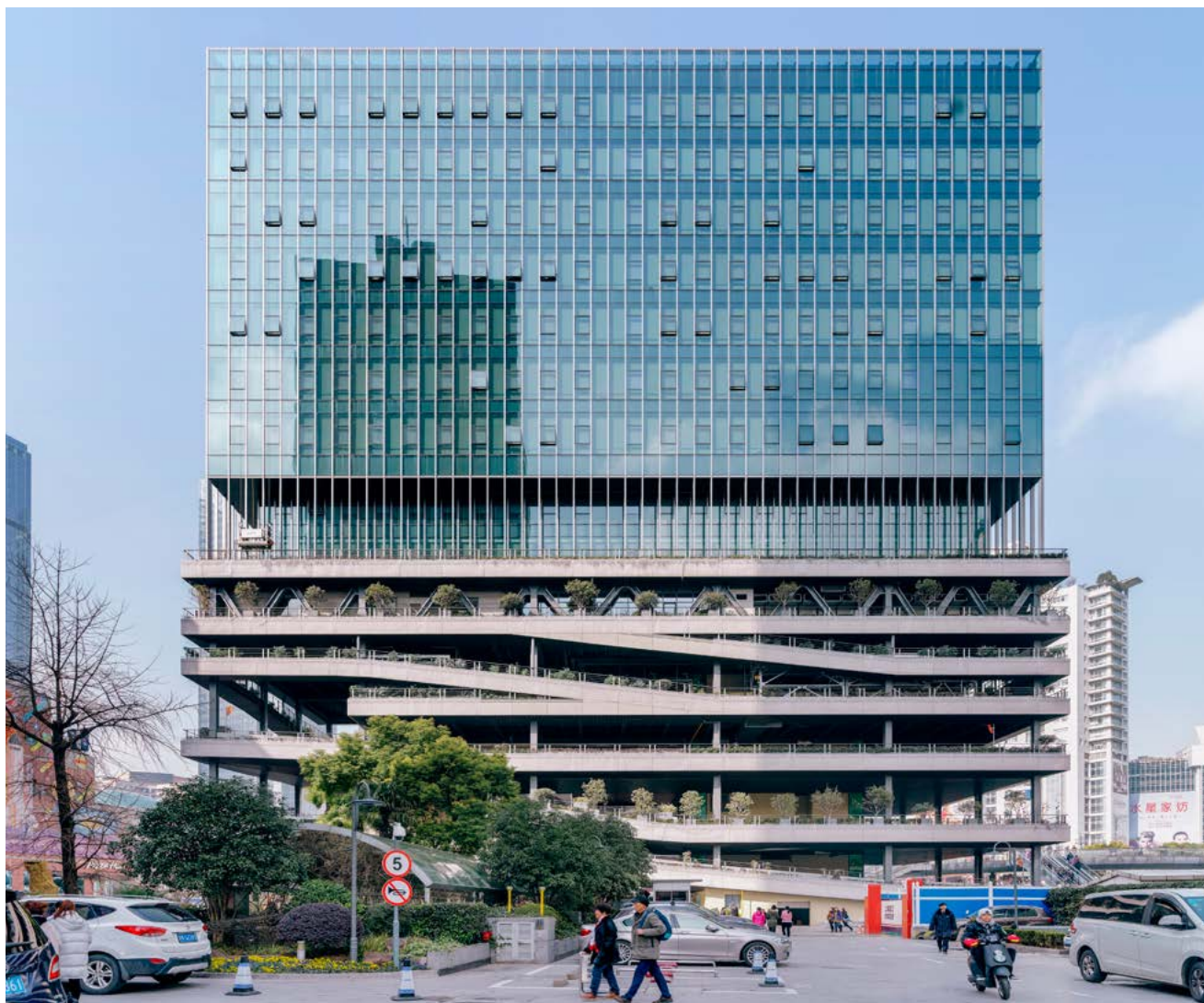
We have chosen our route many years ago and have continued during all those years to fully and total commit to the installer as our partner – we have stayed connected. Others may try to 're-connect.'

But it is the installer that is our future and we see nothing on the horizon likely to change that – after all, all gas fired products must, by law, be installed by a fully qualified Gas Safe person. And that means that the individual must have a high level of expertise and 'Yes', we deal with specification and consultants, but that is inevitable on commercial sites which require design and engineering services. engineering savvy.... which is what installers have....

And one final thought - maybe there are even more changes on their way, this time in the manufacturing arena?

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AN URBAN OASIS ON SHANGHAI'S BUSIEST INTERSECTION

JACQUES FERRIER ARCHITECTURE
AND SENSUAL CITY STUDIO

Paris, Lisbon and Shanghai-based practices Jacques Ferrier Architecture and Sensual City Studio have turned what could have been an ordinary 'office plus car park' into an opportunity to radically reassess the surrounding urban district of Xujiahui in Shanghai.

- A radical reimagining of a densely urban site on Shanghai's busiest intersection
- The project features elevated planted pedestrian walkways above the street
- An 'urban oasis' from which to observe the dynamic scene below

The resulting structure, on the site of a former hotel, combines office, civic, commercial and cultural space with green ribbons of public walkways, connecting the streets and buildings of China's busiest intersection with peaceful arteries from which to escape the tumult.

The design explored ways in which the project could become a generous catalyst for the wider environment, building pedestrian connections, walkways and bridges above the transport interchange as an extension of the building; in doing so, renewing the local infrastructure. Through extensive analysis, Jacques Ferrier, founder of Jacques Ferrier Architecture, and Pauline Marchetti, co-founder of Sensual City Studio, identified the need for enhanced pedestrian connectivity at the intersection and incorporated this into the building's car park. The radical intervention creates raised and planted walkways which lift pedestrians eight metres above the crossroads to provide more logical and enjoyable connectivity between city landmarks such as the church and the park.

The project includes two levels of commercial space underground, one of which is connected to the Metro City building by an underground gallery. Floors 1 and 2 house several hundred square meters of community spaces. Floors 3 to 7 house the public car park, which unfolds in the form of a continuous spiral, serving the offices and businesses of the district. The 8th and 9th floors are shared office space arranged around a large raised garden, and house a reception for visitors, cafeteria, meeting rooms, auditorium and spaces for relaxation and conviviality. Levels 10 to 15 have been developed as efficient and user-friendly office floors.



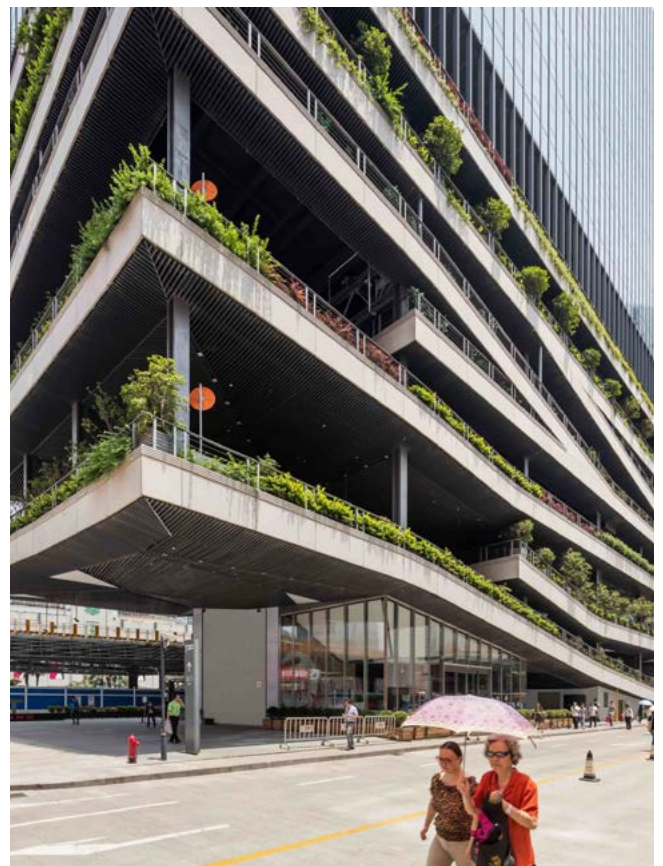
The top two floors are home to the cultural centre, space that seemingly "floats" on the skyline of the district.

As a piece of architecture, T20 expresses the movement and dynamism inherent in the site: its circulation and activation through human use, across the bridges that connect to the city and at ground and first floor level where public facilities and shops are located. The car park becomes a lush urban oasis for the city, with the insertion of an extraordinary "hanging garden" that is visible from key public spaces.

This combined approach by Jacques Ferrier Architecture and Sensual City Studio has brought nature into even this most densely populated area, through suspended gardens and plantings throughout the scheme which will help to counteract some of the inevitable pollution in the area. Balancing dynamic movement and respite, the building reintroduces therapeutic nature into the urban condition by offering a garden to the city in this intriguing layered approach to city architecture.

KEY FACTS

- Location: Shanghai [China]
- Architects: Jacques Ferrier Architecture (JFA) with Sensual City Studio (SCS)
- Client: Shanghai Xujiahui Commercial Real Estate Development Co, Ltd.
- Completion: 2019
- Area: 215,000 square feet (20,000 square meters)
- Use: Commercial



THE DESIGN EXPLORED WAYS IN WHICH THE PROJECT COULD BECOME A GENEROUS CATALYST FOR THE WIDER ENVIRONMENT

DESIGNS ARE HOT AT FURNITURE CITY



MANCHESTER FURNITURE SHOW

Summer heats up as new designs burst into bloom in Manchester which becomes 'Furniture City' once again for 3 days this July. The Manchester Furniture Show (MFS), brings the city to life as the hottest new furniture and interiors collections flood the halls of the prime city centre venue - Manchester Central, from Sunday 14th to Tuesday 16th July.

A relaxed atmosphere at the show belies the serious business with 150 A List UK and international exhibitors showing their latest product ranges. There are collections for every price point from volume to high-end and it attracts big name retail and design buyers. The latest products on the market in every type of furniture and interior décor will be on display – from petite size tables to grand sofas and from silk cushions to large floor mirrors.

Renowned UK brands are among the exhibitors including in upholstery, Buoyant, Westbridge and Whitmeadow. With their newly established brand - The Branded Furniture Company, Whitmeadow will show new models in the dramatic Orla Kiely Upholstery collection alongside new models in their Content by Conran collaboration. Westbridge continue to wow buyers with their sumptuous sofas covered in luxurious plains and splendid patterns – the soft pink Slouch is a perfect example.

There are plenty of stand-outs in bedroom and cabinet furniture too - opulent beds will be on show from Hestia, whose parent company Furmanac is the largest manufacturer of high-end and mid-range motion beds in the UK. Whitmeadow's bed studio will comprise their latest lavish and beautifully covered upholstered beds in twenty-first century styles.

New cabinet collections from imaginative Rowico include a perfectly designed Scandinavian dining range and Tate Charcoal, a dark living and dining collection full of drama. Ever ingenious Blue Bone also have a new Scandi style collection called Oslo, it exudes the cool style of the city it's named after, with a touch of flair added in.

Exclusive brands from Europe and the UK will show at MidPoint - the 'show within a show', which is held in the connecting Charter Hall and features contemporary, high-end collections in cabinet furniture, upholstery, occasional furniture and lighting.

From Italy A.L.F. Uno SpA show their streamlined cabinet collections in on-trend colours and flawless design. Fellow Italians Italia Living have the ultimate in Italian leather seating chic and successfully achieve their aim of combining shapes, materials and colours to produce products of impeccable quality. Rich upholstery models will also be on show from expert Polish producers Kler, Gala Collezione and major player SITS.

The UK's Baker Furniture, Kesterport and Chelsom add cabinet spice with an abundance of mixed materials MidPoint. Chelsom's specialist, futuristic occasional furniture pieces perfectly complement their renowned lighting - both made for high-end commercial and residential use. Kesterport also supply select commercial and residential properties with luxury, top-drawer furniture and upholstery and will show perfectly designed new models.

It's the summer interiors show with all and Manchester itself plays a huge part in the buzz of MFS as 'Furniture City' comes alive!

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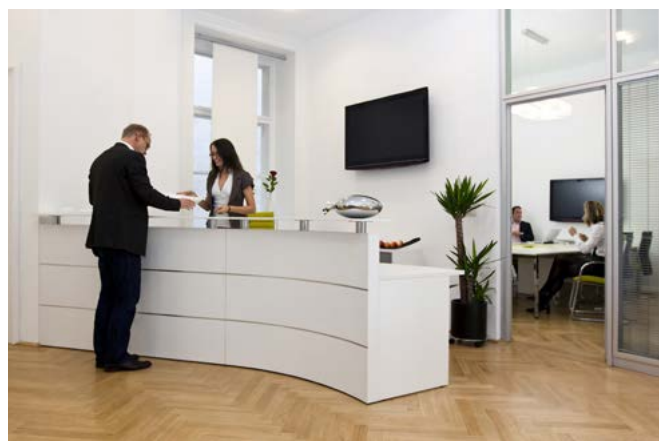
On older walls with cracks, Glasstex Essential covers existing cracks and will greatly help prevent new ones, making it the perfect choice for renovation projects.

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SALICE AWARDED 'BEST OF THE BEST' AT INTERZUM

The Interzum Award: Intelligent Material & Design 2019 has been bestowed on Salice Excessories, which offers a variety of storage solutions designed to optimise space and to facilitate the perfect arrangement of bedroom wardrobe interior fittings.

Competition for this prestigious Interzum Award is open to the host of companies exhibiting at Interzum, one of the most important industry tradeshow for hardware and furniture components held in Cologne, Germany.

The award is given to products that best represent technological innovation paired with functionality and design. The judging panel, made up of several of the most prominent international architects and designers conferred on Excessories the highest recognition as "Best of the Best" in the component category.

Excessories - Night Collection allows wardrobes and walk-in wardrobes of all styles to accommodate elegant hangers, scarves and tie hangers, bag hangers, cotton garment holder bags, trouser hangers and shoe racks, all elements of singular refinement and efficiency. In addition, Glovebox trays, watch-holder trays, ring-holders and earring-holders are also available in various dimensions, with multiple finishes from fabrics to leather and a variety of beautiful colours from Racing Green luxurious rich cream.

Commenting on the Award, Walter Gosling, Salice UK Branch Director said, "We are delighted to have been awarded the 'Best of the Best' award in the highly competitive component category at Interzum. Our Excessories - Night Collection has been very well received by interior designers who acknowledge its refined design



and elegance which enables them to offer their clients something unique and exquisite".

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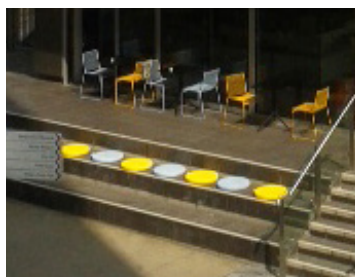
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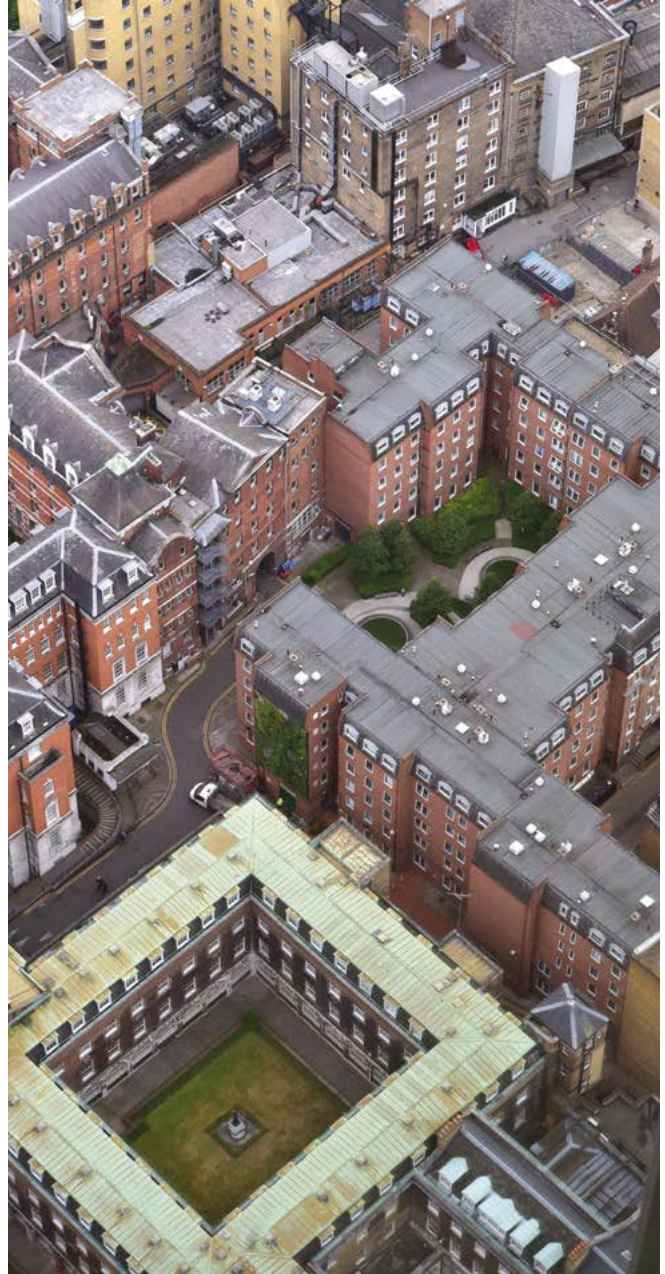


In a country where over 21 million homes are connected to the natural gas grid, the potential for gas fire installations is obvious. However, interior designers are now getting turned on to the visual impact of the most spectacular gas fire formats and this is where ORTAL really lead the way. With extra wide fires (standard modular widths up to 4m), island fires such as the CIRCLE 70 pictured above (top image), tunnel fires, corner fires, three sided and even hanging fires (lower image), an interior can be arranged around a stunning focal point. With around 80 different formats to choose from, ORTAL fires are definitely the architect's choice.

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ZERO WATER WASTE LIVING WALL

SCOTSCAPE

This 76m² living wall has been installed as part of a series of interventions that are part of the Borough High Street Low Emission Neighbourhood initiative led by Team London Bridge and Better Bankside, supported by the Mayor of London.

Interventions are located to highlight calm and healthy walking routes in the busy London Bridge and Bankside area and are complemented by initiatives to promote green business practices like reduced deliveries and clean vehicles.

The wall is owned by the Guy's and St Thomas' charity who own the Orchard Lise Building, and who are facilitating this project and will support its upkeep.

The living wall has been designed to enhance biodiversity and improve air quality.

Over seventy three species are included in the living wall of which 30 are RHS approved and 18 are RHS approved for supporting pollinators. The wall has been carefully curated to provide year round coverage for pollinating insects birds and butterflies.

To improve air quality the heterogeneous plant topography (high/ low planting) allows for higher rates of particulate matter (PM) impaction through the living wall, increasing deposition rates and filtering the air more effectively of damaging PM10, PM5, PM2.5 and PM1. Plants included in the design such as stachys, pinus mugo and convolvulus are particularly effective at trapping particulate matter.

The topography of the wall has been facilitated by bespoke panels of the Scotscape Fytotextile system which have larger planting pockets, allowing bigger species and even trees to grow on the vertical surface. The design composition uses irregular organic patterns to emulate nature.



To irrigate the living wall Scotscape have installed rainwater harvesting which is on a recirculation system, meaning that not a drop of water is wasted.

The wall was unveiled on 14th June with presentations and discussion from Team London Bridge, The Deputy Mayor for Energy and the Environment Shirley Rodrigues, Landscape Architects Untitled Practice and Scotscape.

scotscape.co.uk



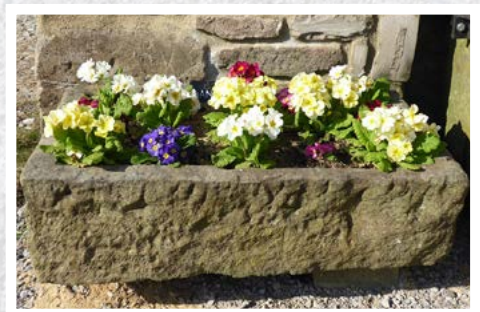
OVER SEVENTY THREE SPECIES ARE INCLUDED IN THE LIVING WALL OF WHICH 30 ARE RHS APPROVED AND 18 ARE RHS APPROVED FOR SUPPORTING POLLINATORS.



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PROTEUS CLADDING ESTABLISHES 'HOLE' NEW LOOK FOR SPANISH CITY

PROTEUS

A grade II Listed building with a Renaissance-style frontage has become the latest award winning project to feature Proteus cladding.

Although Spanish City closed in 2002, it has remained a local beacon and so became the focal point of North Tyneside Council's £36m seafront masterplan, undergoing a £10m restoration and regeneration to bring it back to its former glory.

As a listed building protected by English Heritage, it was essential that the redesign by ADP architects retained as many of the building's original features as possible, including the copper Terpsichorean female figures or 'dancing ladies', which were restored and positioned on top of two redeveloped Cupolas.

Alongside this was the addition of a bold extension featuring Proteus SC perforated TECU Patina, which was applauded by the judges when ADP's vision for Spanish city secured a RIBA North East Award 2019.

ADP Architects specified TECU Patina for Spanish City, a copper material that features the natural green patina from the outset, as it created a beautifully aged aesthetic that complements the 'old' copper finish of the dancing ladies.

The homogenous pattern featured on the Proteus SC perforated cladding covers the entirety of the new extension at Spanish City, making it difficult to discern the position of the different floors and giving the structure a monolithic presence that is able hold its own against the imposing dome on the original building.

Choosing round perforations or 'holes' was no accident, it creates a contrast with the right angles of the surrounding cityscape, but mirrors the internal layout. A defining feature of the building is its extremely complex geometry, in fact only four rooms have walls in a square format, every other space is curved or a polygon, including the impressive rotunda which the panels were designed to meet.

The Proteus SC TECU Patina perforated copper cladding panels were fixed over extensive glazed areas at Spanish City, so both sides were visible by people inside the building and from those outside. This presented an engineering challenge because the architects envisaged large perforated panels due to the sheer size of the façade (larger cladding panels on large facades can look more visually striking), which can require thicker gauge metal.

Working with ADP architects Proteus devised a rear supporting aluminium PPC framing system that was discrete and avoided having to increase the thickness - and cost - of the copper material. The outcome was that it enabled the panels to be designed to meet the maximum optimisation of material, whilst meeting the challenging geometry of the project.



THE HOMOGENOUS PATTERN FEATURED ON THE PROTEUS SC PERFORATED CLADDING COVERS THE ENTIRETY OF THE NEW EXTENSION AT SPANISH CITY.

AFTER MORE THAN TWO YEARS OF REDEVELOPMENT WORK, BY ROBERTSON GROUP, THE MAGNIFICENT BUILDING IS BACK TO ITS FORMER GLORY.

As Spanish City occupies a spectacular seafront setting overlooking the North Sea coast, it is susceptible to harsh coastal climatic conditions, which include high winds and salty sea and air. The Proteus SC perforated cladding panels will go some way to protecting the building from the elements, which was a major factor in causing the wear and corrosion that saw the demise of the original structure.

After more than two years of redevelopment work, by Robertson Group, the magnificent building is back to its former glory, transformed into an impressive mixed-use leisure venue that once again acts as a hub for tourists and members of the community.

The new extension block, clad by Chemplas Ltd, in Proteus SC perforated TECU Patina, to the rear of the building houses the new level-access entrance, toilets, plant and staircase that ensure compliance with modern standards.

Spanish City remains an iconic part of Whitley Bay's heritage and a striking example of how old and new architectural styles and materials can work together. The building is now home to a Fish & Chip restaurant and takeaway, waffle and pancake house, Champagne bar, fine-dining restaurant, traditional tearooms and an event space.

Proteus Facades Ltd is able to offer a wide ranges of TECU copper and copper alloys in the UK. This includes TECU Copper, TECU Bronze, TECU Brass, TECU Gold, and TECU Zinn. Some of these materials are also available pre-patinated, which bypasses the gradual weathering process, so that the cladding panels take on the beautiful earth tones from the day the façade is installed.

Spanish City in Whitley Bay, is a collection of Edwardian seaside pleasure buildings and grounds. Built in 1910, the iconic structure, which once included a concert hall, restaurant, tea room, ballroom and funfair, attracted thousands of people from across the UK until it fell into disrepair in the 1970's.

For more information on the range of inspirational TECU cladding materials from Proteus Facades, visit: www.proteusfacades.com or call: 0151 545 5075.



WINTECH ANNOUNCE NEW CERTIFICATION SCHEME FOR RAINSCREEN CLADDING SUPPORT SYSTEMS

Building envelope testing & certification specialists, Wintech Engineering Limited, have recently expanded their UKAS accredited WinMark Certification services by introducing a new scheme for Rainscreen Cladding Support Systems. Similar to their WinMark Scheme for the Performance of Curtain Walling & Rainscreen Cladding, the new scheme is compliant with the NHBC Chapter 6.9 and Premier Guarantee's Technical Manual 7.7.5.

Wintech Associate Director of Certification, Mark Swanborough announced the introduction of the new scheme, saying "The marketplace is waking up to the importance of product testing and certification, and with regulations from industry bodies getting more stringent, manufacturers and systems companies can't afford to not have some form of industry-recognised product testing and certification.

"Certification can be key for our customers to demonstrate that their products and processes have been independently assessed to prove their credibility, and the competency of the company's manufacturing systems and installation quality as a whole. We are already known throughout the industry for providing testing to CWCT Standards, as well as other international standards, now we want to wake the industry up to the importance of having their cladding product certified"



For more information on Wintech's testing and certification services, please get in touch on the detail below.

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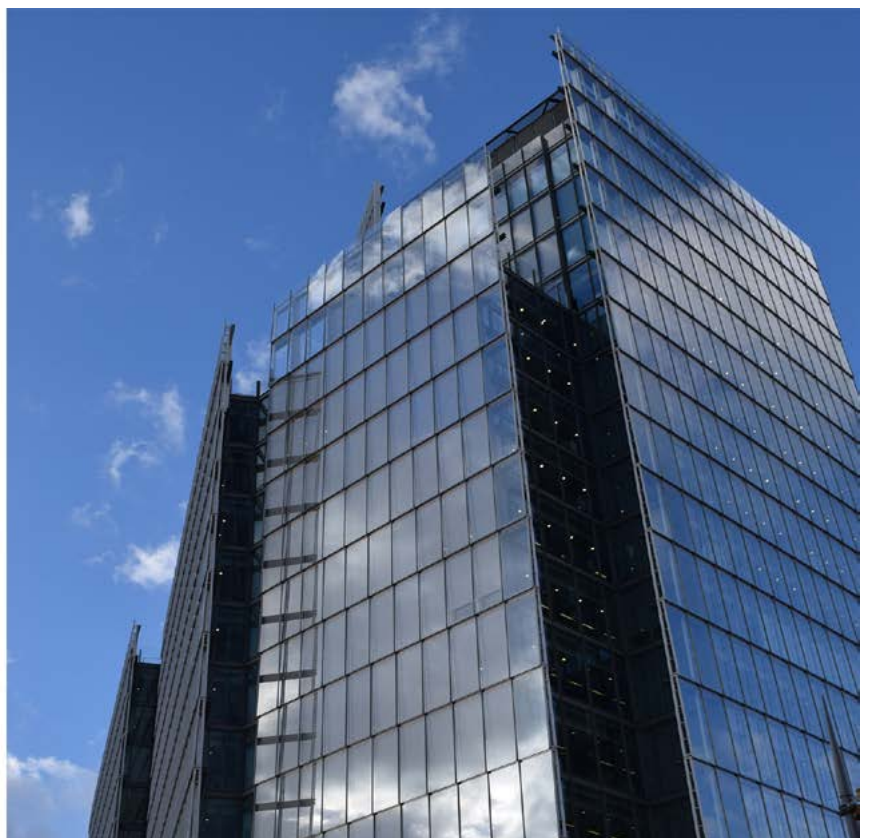
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Photography by Alex Campbell.

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A FUNCTIONAL AND AESTHETIC FACADE FOR AN AWARD-WINNING BUILDING

MSCP Lincoln Hub
Multi-storey car park, Lincoln, England
Architects: John Roberts Architects

A vast regeneration project for Lincoln City Centre has resulted in a modern and effective transport hub for both visitors and residents, with a pedestrian plaza, retail space and a bus station.

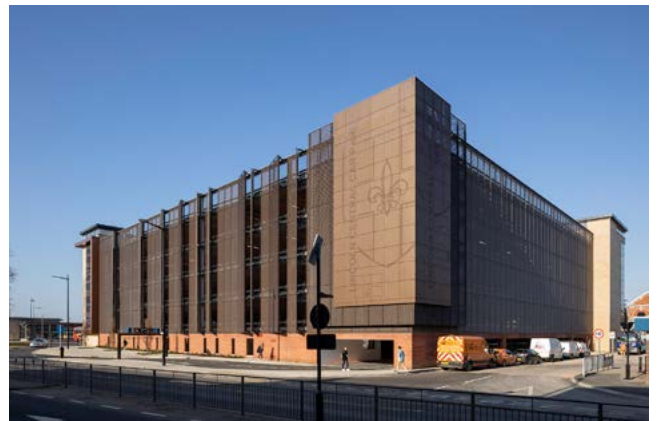
The single largest element of the project is the 1,000-space six-level multi-storey car park. The facade of the car park has been created with 3,600 m² of expanded metal and 400 m² of perforated sheets, with the Lincoln coat of arms and fleur-de-lis reproduced on to the perforated panels by means of RMIG ImagePerf technology.

The inspirational style of the building and its architectural merits have resulted in the award for Best New Car Park at the British Parking Awards.

Technical characteristics

Raw material: ALU EN 1050 H14/H24
Pattern: LTH200x76x30x3 & RMIG ImagePerf
Thickness: 3.0 mm
Finishing operations: Bending
Surface treatment: Powder coating (Syntha Pulvin Anodite 547)

**For further information or if you are interested in our CPD presentation 'Perforation in Architecture' contact info.uk@rmig.com
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Perforated facade decorates innovative school building

When constructing Kalvebod Fælled School, the objective was to create a balanced atmosphere of school and leisure time for both children and adults, with the focus on learning and activities. This ambition has been achieved by a stunning circular construction with a gymnasium at the heart of the building. The glistening circular facade encapsulating the building is made from 1200 m² of perforated sheets from RMIG. The perforation gives a flow of light and shadow, providing protection from the sun, yet still ensuring a view of the beautiful surrounding areas. RMIG's City Emotion philosophy exists to capture the passion for creative and exciting urban design by offering innovative technologies and materials.

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BRITISH LAND CONFIRMS CONTINUED COMMITMENT TO DESIGN **AS HEADLINE PARTNER OF LONDON DESIGN FESTIVAL**

: BRITISH LAND

British Land is the Headline Partner of London Design Festival for the fourth consecutive year, immersing its Broadgate and Paddington Central assets in London's most important design event once again.

Design is fundamental to everything that British Land does, from developing its buildings to connecting them with the communities in which they reside, ultimately creating places where people want to be. The company's annual involvement in London Design Festival is part of a wider commitment to the capital, to help celebrate and promote London as a design epicentre and recognise its incredible, diverse talent.

Broadgate, a diverse hub connecting innovation and finance, has commissioned internationally acclaimed British designer, Paul Cocksedge, to create a major Landmark Project for the festival, the most ambitious of British Land's commissions to date.

The large-scale installation, called 'Please Be Seated', fuses innovation and technology. Responding to the changing rhythm of the community, its design features curves for people to sit on and walk under, further enhancing London's largest pedestrianised neighbourhood. Made from scaffolding planks, Paul Cocksedge is collaborating with Essex-based flooring company, White&White, to re-imagine and re-use the building wood. As part of the festival, Broadgate will collaborate with Shoreditch Design Triangle to host an exhibition and talks as well as a special Design Night in Finsbury Avenue Square.

Paddington Central will once again be one of the festival's Design Routes and will include an installation by Paddington-born designer Adam Nathaniel Furman, who will enliven the Grand Union Canal with his signature vibrancy and impactful colours. Newly opened Storey Club in Paddington Central will become the Design Route's 'central hub', and will host a curated programme of talks, debates and design salons, open to the community.

For the sixth consecutive year, British Land and London Design Festival will be honouring and celebrating those who have made a significant contribution to the world of design with the British Land Celebration of Design medals. This year's recipients of the medals, which is one of the highest accolades in design globally, will be announced in September.

Chief Executive of British Land, Chris Grigg said: "Design is integral to everything we do at British Land so we're delighted to continue our partnership with London Design Festival for the fourth consecutive year. We truly believe good design has the power to create places where people want to be and where people want to spend time."

London Design Festival Director, Ben Evans said: "We are delighted to continue our strong relationship with British Land, as the Headline Partner to the Festival for the fourth consecutive year. Their ongoing commitment and genuine dedication to design supports our vision to celebrate and promote London as the design capital of the world."

www.britishland.com



DESIGN IS FUNDAMENTAL TO
EVERYTHING THAT BRITISH
LAND DOES.

FALL PROTECTION COST-CUTTING: A STEP TOO FAR?



Any work at height carries risk. Preventing accidents from falls relies on all stakeholders using an informed, joined-up approach to practices and systems. Specifiers, contractors, system installers and end-users all play a part in risk mitigation. James Sainsbury, Fall Protection Sales leader for MSA Safety, explains why a holistic approach to safety is needed, and highlights the potential risks of making ill-informed changes to a defined safety system specification.

Gravity is an ever-present force. It doesn't offer second chances. And however diligent safety planning and preparations may be, a fall is always a possibility. With workers' lives at stake, there's simply no excuse for inadequate fall protection systems and personal safety equipment.

ACCIDENT PREVENTION: THE UK PICTURE

Despite the fact that almost all falls from height can be prevented, it's a sobering reminder that they still remain the leading cause of workplace fatalities. The most recent Health and Safety Executive (HSE) statistics show that in 2017 alone, falls accounted for 28% of all UK fatalities in the workplace. Digging deeper, between 2013/14 and 2017/18, falls from a height accounted for more than a quarter of all fatal injuries to workers. That's an average of 37 deaths a year. In addition, a staggering 43,000 non-fatal accidents involved falls from height too.

Over 60% of deaths when working at height involve falls from ladders, scaffolds, working platforms and roof edges and through fragile roofs. It's no wonder that HSE research has also revealed 19% of people think their health and safety is at risk at work (2010).

Whilst the UK, like much of Europe, is a mature market, with comprehensive regulatory standards for safety systems and practices, there is still much room for improvement. Setting realistic safety system budgets, honouring specifications, understanding the suitability and quality of different equipment, accurately assessing risk and training users to be competent are all on the agenda.

CREATING THE PLAN: SPECIFIERS

As the first link in the chain of creating safer working at height, the value of consulting specifier professionals cannot be overstated. The decisions, assessments and recommendations they provide result in the most appropriate fall protection system specification for the building at the outset: one that will maximise protection for users and allow work at height to be carried out more safely and efficiently.

A system specification can be defined by architects, consultants or engineers, or by safety system industry professionals, such as professional installers. A thorough specification takes account of both the unique risks posed by the structure and the practical access requirements needed for safe works. It will also mean full compliance with all local and national health and safety and regulatory conditions. Manufacturers, too, can provide consultation and system design, helping to make sure that the very best equipment and system is installed.





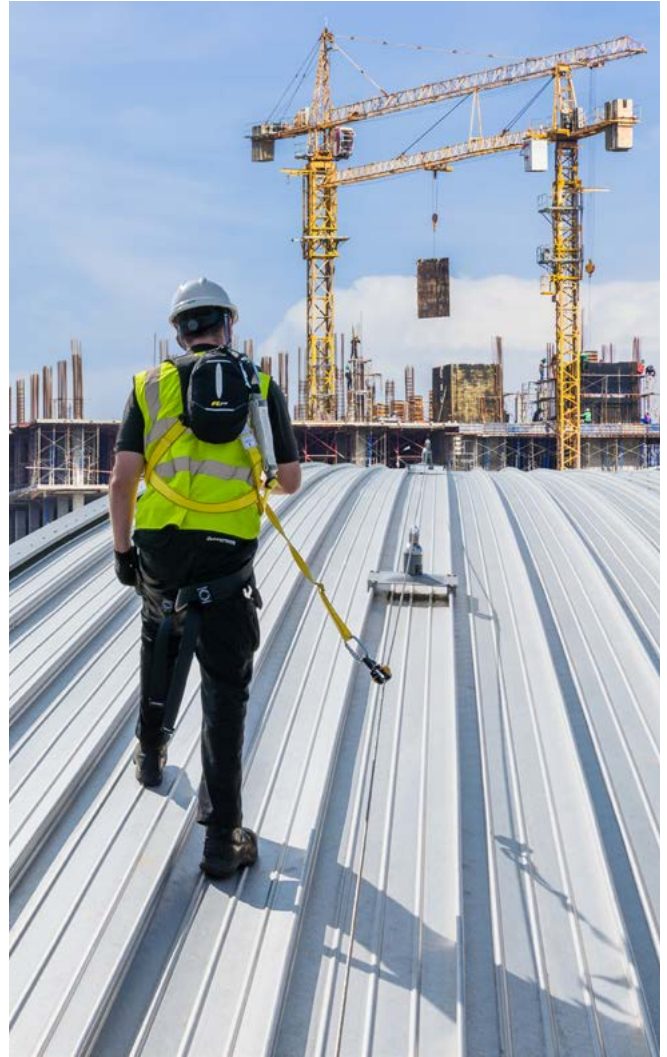
CONTROLLING THE PROJECT: CONTRACTORS

One of the most important elements of the specification – at least for contractors – is the independently-calculated budget allowance required to procure and install the recommended system. Unfortunately, specification-switching down-the-line by UK contractors seeking to reduce costs can be problematic. This worrying trend has the potential to put workers' lives at risk. Simply changing or substituting elements for alternatives that are perceived as less costly can be short sighted and dangerous. Any specified system for working at height, and any attendant cost, is usually proposed for sound safety reasons.

High-quality equipment benefits from advanced engineering and rigorous testing, both of which contribute to full compliance and reliable performance. Lesser products may wear, degrade or fail more quickly, requiring premature replacement and increasing Total Cost of Ownership. When equipment is well designed and easy to use, the risks of equipment failure are naturally lower.

PUTTING IT ALL IN PLACE: INSTALLERS

The performance and safety of fall protection equipment depends on correct installation, testing and commissioning. Quality installers have a responsibility to check that only technically-competent professionals install equipment. Leading companies are fully familiar with the leading manufacturer systems, are usually accredited, and will have undergone specialist training to be certain systems are installed exactly in accordance with the manufacturer's guidelines, including all compliance checks at sign-off. Once equipment is installed, the installer will be responsible for commissioning, testing and ongoing maintenance and, in some cases, arranging user training.



Experienced installers are also used to quickly overcoming any unexpected challenges a building may pose – for example, undertaking a retrofit system installation within an older or historic building. They will also spot and highlight any new risks or findings that may impact the effectiveness of the fall protection system.

CONFIDENT AND CAPABLE: END USERS

There's no value in provisioning fall protection equipment if workers are unable, or are unwilling, to use it properly. Whilst overseeing safety, risk assessments and method statements for those that work at height falls to the site manager and/or health and safety officer, all equipment users should be 'competent persons'. That means expert PPE and or fall equipment system training from a qualified provider. Can users check equipment before use? Do they know when and how to use it correctly? Do they possess the expertise and confidence to make the right decisions at the right time? Can they execute an agreed rescue plan if needed?

SAFETY AND ACCOUNTABILITY: INEXTRICABLY LINKED

If UK working at height safety statistics are to improve, the sequential chain from specifier through to user requires close scrutiny. At every stage each party has a duty of care to respect the integrity of what should remain an optimal safety system. Specification-switching and making arbitrary changes to carefully chosen solutions may have serious implications. Equally, users deserve to feel confident using systems, and must be supported with quality training and rigorous equipment checks. Most falls from height are preventable. All parties engaged in fall protection should be aligned and accountable to keeping workers safe.

www.msasafety.com/global



PROFAB ACCESS AHEAD OF THE CURVE WITH FIRE TESTING



Profab Access Ltd, part of the Access 360 portfolio, is prioritising fire safety in buildings with the introduction of fire testing for both sides of its 4000 Series riser door range.

Established in 2001, Profab Access Ltd is a leading UK manufacturer of wall and ceiling access panels and riser doors. The company employs a team of 71 and operates from a 46,000 sq. ft. manufacturing and distribution facility in Atherstone, Warwickshire. All aspects of the design and manufacturing process are carried out onsite.

Profab has been working with the global testing, inspection and certification company, Warrington Fire, for several years and has the CERTIFIRE independent third party certification for its 4000 Series riser doors, 8000 Series access panels for tiled walls, 1000 Series access panels and steel doors. The 4000 and 8000 Series ranges are available with up to a 4 hour CERTIFIRE rating.

Since the Grenfell Tower fire the issue of fire safety has dominated the construction sector. Following the Hackitt Review and the

subsequent Government Implementation Plan, published in December 2018, four key areas were highlighted for improvement, including "Clearer standards and guidance, and product safety".

James Fisher, Managing Director of Access 360, comments, "From our perspective actions speak louder than words. In the spirit of the Hackitt Review we wanted to 'start living the cultural shift' and to lead the industry by investing in testing and certification because we believe it's the right thing to do and not just because it's a legal requirement."

"Fire testing from both sides is a significant investment on our part, in terms of time and cost. It takes nearly twice as long to test from both sides, requires two doors to be tested on opposite sides and doubles the cost of the testing and certification process. The benefit to our customers is that they can have absolute confidence that when they specify a Profab fire rated riser door its performance has been tested and independently verified above and beyond what is legally required."

"We want all our customers to have this level of peace of mind and it is our intention to conduct fire testing from both sides on all the products in the Profab range. Testing on the 1000 Series access panels is already under way."

Warrington Fire, now a part of the Element Group, is a UKAS accredited laboratory which specialises in fire resistance testing for passive fire protection products. The testing process is stringent, from start to finish. The testing personnel from Warrington Fire come to the Profab Access manufacturing facility to personally select the riser doors they wish to test. Both the doors and frames are signed by the testers to ensure the correct products are delivered to them for testing.

Once at the laboratory the riser doors are tested to BS EN 1634-1:2014+A1:2018, the standard for fire resistance and smoke control. The testing process involves the riser doors being held in a rig in front of a kiln. The size of the rig, 3 metres high by 3 metres wide, enables testing of single, double or triple riser doors to be carried out.

The riser doors are tested to measure the integrity of the door and frame when subjected to fire. The process involves ensuring

that flaming cannot occur on the unexposed face of the door for longer than 10 seconds and that a 25 mm rod cannot be passed through the specimen. The transfer of radiant heat through the surface of the doors is also measured. Limiting the transmission of heat from one side of the door to the other to protect building occupants so they can safely exit the building is paramount.

Amendments have already been made to the Building Regulations Approved Document B (Fire Safety), notably the ban on combustible cladding on all new buildings over 18 metres in height. Further changes are expected as a result of the call for evidence for the technical review of Approved Document B, which closed in March. By taking the lead in fire testing both sides of the 4000 Series riser doors Profab Access is future proofing the products being used in the construction sector. When it comes to riser doors building professionals now have the opportunity to specify products that exceed the legal requirements.

To find out more about the range of fire rated products available from Profab Access please visit www.profabaccess.com or call the Technical team on 01827 719051.



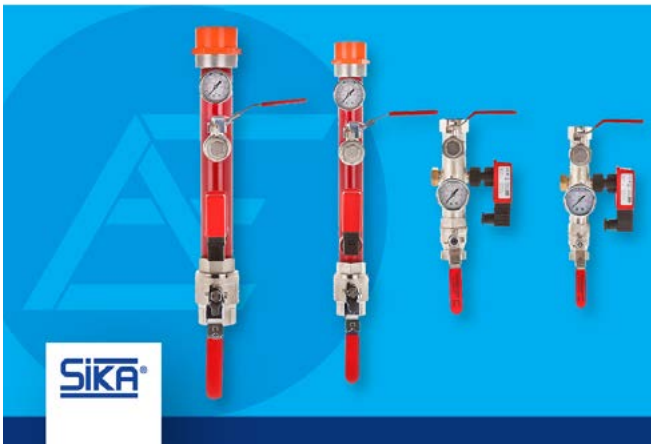


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Today Benfield ATT takes an analytical and technical design approach to DfMA (Design for Manufacture & Assembly), blending their extensive and rather unique knowledge of all forms of timber structure, building science, regulations, and state of the art products, with each client's conceptual and functional requirements.

Value Engineering is at the heart of the firms approach to delivering some of the UK's greenest and most innovative housing. "By focusing on the various 'functions' of a client's building and its components, we aim to identify and remove unnecessary costs while at the same time maintaining - even enhancing - its performance." explains Benfield.

Hybrid Projects incorporating different timbers, systems and crafts are a speciality, with short run batch production appropriately geared to individual development outputs, rather than long 'me too' assembly line 'little boxes'.

Working closely with architects, building designers, engineers and quantity surveyors, Benfield ATT helps select and specify those

materials and components which are most functionally appropriate and cost effective. Extending this into waste reduction, recycling and lean manufacture encourages the delivery of high quality Green Buildings that save both time and costs on site. All of this not only enhances client's projects, it also helps make Benfield ATT one of the most competitive full service timber engineering design and build firms in the UK.

Professional Partnerships are favoured to deliver greatest benefit to industry and end users. While happy to engage in 'one off' projects, Benfield ATT prefers long term 'partnering' style arrangements with construction professionals & developers. This can include Joint Venture arrangements which may be of interest to land owners and those who wish to fund, say, housing schemes, but lack the technical knowledge and industry experience necessary to make them successful. In such cases Benfield believes that his firms comprehensive team approach can be highly valuable

GREEN BUILDINGS need really effective building envelopes, which need careful, collaborative design from the outset of each and every project, explains Prof Benfield. "There is a crucial need to deliver highly energy efficient structures with optimum levels of insulation, minimal thermal transmission and appropriate airtightness for floors, walls, roofs, windows and doors along with SMART construction and building operating solutions."

“ Designing with partnering in mind emphasises communications, the importance of avoiding delays, and the need to programme out errors.

Prof. Dr. Michael Benfield



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Going Green is not a fad or a fashion. It is a way of life and an important reason for adopting an eco-friendly lifestyle, making conscious decisions about sustainability, reducing harm to our world and creating positive conditions for the environment to flourish and thrive. Green buildings conserve precious natural resources and improve our quality of life.



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We hold many certifications, qualifications and memberships, including Chartered Building Consultants, Chartered Surveyors, TRADA, ISO, IIP, etc.



KEBONY WOOD PROVES INTEGRAL TO NATIONAL TRUST DEVELOPMENT

: KEBONY

muf architecture/art has unveiled Fell Foot Active Base, an innovative water sports centre designed to provide seasoned professionals and first time visitors alike with an opportunity to enjoy Lake Windermere, an area of outstanding natural beauty, with state of the art facilities on the tranquil shores. The activity centre which includes a clubhouse, multipurpose training and conference rooms, boat storage and heated changing facilities is the perfect base to experience the lake and the 43 acres of surrounding parkland. Kebony, a natural wood made to last, was chosen to clad the external surfaces of the clubhouse and terrace-facing facades of the changing blocks, reducing the environmental impact of construction and providing a unique and harmonious aesthetic.

Funded by the National Trust and Sport England, Fell Foot Active Base will be at the heart of the Windermere community and the multifunctional space will be the first location to be shared by the area's sailing, rowing and swimming clubs. Simultaneously utilitarian and imaginative, the design of the space aims to unlock once redundant spaces, the promenade terrace is treated as an additional room and provides a versatile and welcoming location for locals, day trippers, walkers and picnickers to enjoy the stunning views of Lake Windermere.

The centre is spatially unobtrusive and has been raised to avoid flooding without obstructing the panoramic views surrounding the property. Aesthetically, the development merges seamlessly with the landscape through a simple palette of self-coloured materials, such as Kebony Character wood. Used for the deck, cladding and facades of the clubhouse, Kebony allowed for both consistency in material and the promotion of environmental responsibility. In the coming year, the centre expects to attract thousands of visitors, to which Kebony's enhanced durability and resistance to wear and weathering will prove instrumental in maintaining the building's original beauty and charm.

Developed in Norway, Kebony's revolutionary technology is an environmentally friendly process which modifies sustainably sourced softwoods by heating the wood with furfuryl alcohol - an agricultural by-product. By polymerising the wood's cell wall, the softwoods permanently take on the attributes of tropical hardwood including high durability, hardness and dimensional stability. In addition, the smooth nature of the Kebony wood is suitable for those walking on the decking with bare feet; the wood does not get too hot making it possible for visitors to stand on during the height of the summer.

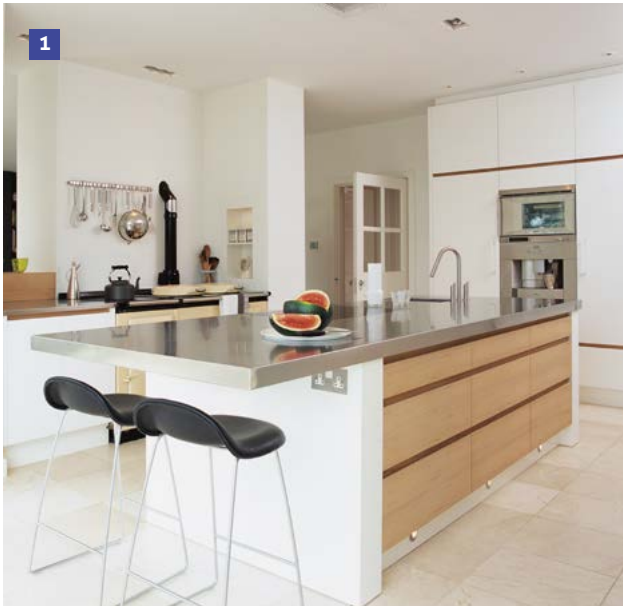
Mark Lemanski, Architect at muf architecture/art commented: "We are all very proud of the Active Base, which has already become a key part of the community at Lake Windermere. We responded to the volumes and materiality of the adjacent listed boathouses, with a harmonious and simultaneously contemporary appearance, to which the use of Kebony played an instrumental role."

Adrian Pye, International Sales Director at Kebony added: "It's wonderful to see how Kebony blends with the natural surroundings at the Fell Foot Active Base. Helping to create a space which people from all ages and walks of life will enjoy for years to come fills us with pride, especially due to the stunning spot the Active Base occupies."

kebony.com



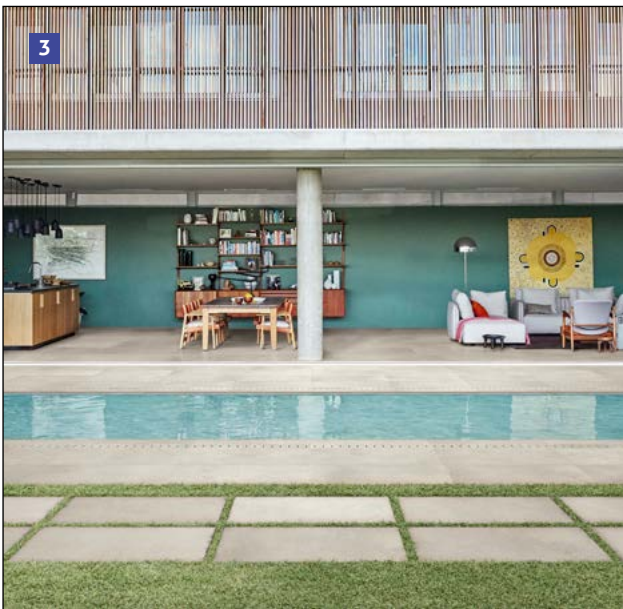
FELL FOOT ACTIVE BASE WILL
BE AT THE HEART OF THE
WINDERMERE COMMUNITY



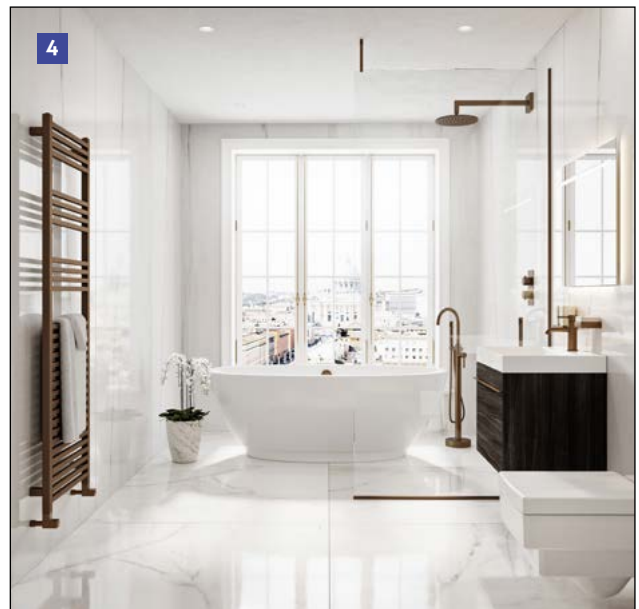
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"Flexibility underpins the continued success of our best-selling IRC®," says Cistermiser's Marketing Manager Mark Schlotel.

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3

THE NEW 20MM OUTDOOR TILE COLLECTION FROM CTD ARCHITECTURAL TILES

CTD Architectural Tiles' new Porcelain Pavers collection is an extensive range of 20mm-thick porcelain tiles specially suited to outdoor environments. Comprised of 22 different ranges, the tiles are extremely durable and resistant to breaks thanks to the 20mm thickness. The exterior tile collections boast a +36PTV (wet) slip-resistant structured surface and are extremely low maintenance thanks to their exceptionally low porosity and as a result are particularly well suited to swimming pool surround and patio applications. From residential projects to leisure complexes, the Porcelain Pavers collection combines outstanding performance with exceptional design to help architects, interior designers, developers and specification professionals.

www.ctdarchitecturaltiles.co.uk
0800 021 4835

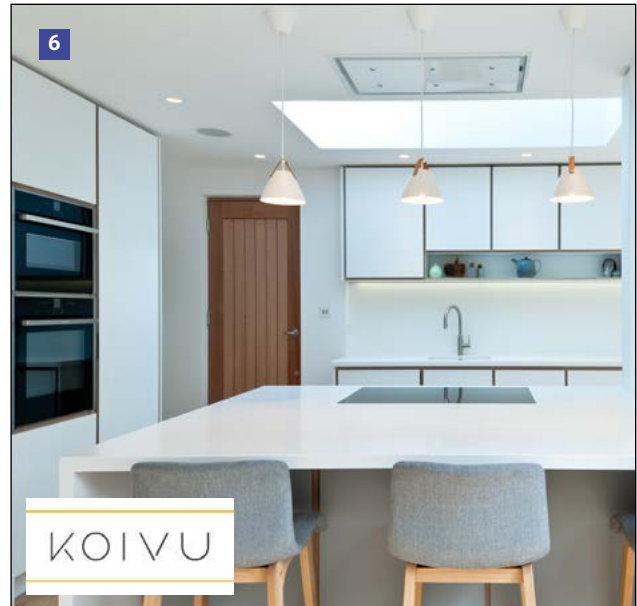
4

COMPLETE COLOUR COORDINATION FROM ABACUS

Abacus Bathrooms has developed a unique portfolio of stunning brassware and accessories so that retailers and designers can offer a completely colour matched scheme in the bathroom. With colour taking a subtle centre stage in bathrooms today, Abacus has introduced four stylish contemporary finishes – chrome, bronze, nickel and black – which will be available across three popular brassware ranges as well as accessories such as towel rails, wetroom glass, valves and traps. Abacus is one of the only suppliers in the UK to offer such a wide choice in terms of product and colour in popular ranges.

For Abacus customers, the ordering of these new products is via the dealer log-in portal which is accessed with one click from the www.abacus-bathrooms.co.uk home page with personalised log-in details.

For further information, contact
www.abacus-bathrooms.co.uk.



5

CISTERMISER VALVES HELP TO CONSERVE WATER AT CAMBRIDGE ASSESSMENT'S NEW HQ

The washrooms in the prestigious new international headquarters of exams group Cambridge Assessment feature the latest infrared water management technology from Cistermiser.

More than 1,600 Cambridge-based employees, formerly based in 11 Cambridge Assessment offices located across the city, have been brought together in the new HQ complex called The Triangle.

The series of linked buildings, sited to the south east of the city centre, have been designed to provide enough office space to eventually accommodate up to 3,000 people by 2025.

ourworldiswater.co.uk

6

KOIVU – THE BIRCH PLYWOOD KITCHEN COMPANY

With no restrictions on size, colour or finish, your new kitchen can be just as individual as you are. At Koivu we offer an easy process full to the brim with bespoke ideas and advice from our experienced designers and fitters. But that's not all. By choosing Koivu you'll be doing your bit for the planet too.

We use farmed Finnish birch plywood that has a constant replanting process and is so hard-wearing it'll last forever, hence the lifetime guarantee. And even better, you can breathe easy knowing our kitchens produce the lowest VOC emissions on the market today.

Want a kitchen that is beautiful and environmentally friendly? Choose Koivu.

W: www.koivu.co.uk
E: hello@koivu.co.uk
T: 01732 459964

7

TURBOQWIK FROM THE SCREWSHOP – THE MULTI PURPOSE, HIGH PERFORMANCE WOODSCREW

Screwshop – the home of the Turboqwik is a high performance screw designed to be used in hardwood, MDF decks, wood to plastic and wood to sheet metal. With 6 reaming nibs under its head, its perfect for countersinking with no burrs. Its high performing yellow coating (CR3 ROHS compliant) has been salt spray tested up to 200 hours. Each box comes with a PZ2 driver bit. The precision multi-purpose wood screw has an extra sharp drilling point, so no need for any pre-drilling. With a coarse serrated thread, its unique sawfix design enabling for extra quick drilling, it really is a dream to use. Another advantage is its reinforced head which increases torque and reduces breakages. Sizes range from 3x16mm to 6x150mm. Buy on line at Screwshop.co.uk, you'll also find a wide range of fastener finishes. Any enquiries, please call us on 0121 559 8866.

8

BUILDING FOR A BETTER WORLD

In April, a special clinic for treating children suffering from cleft lip and palate was opened in the Moroccan city of Oujda. The new building was made possible thanks to the dedication of humanitarian architecture charity Article 25 and the extensive support provided by the Sto Group. Oujda is a city with over 550,000 inhabitants in the north-east of Morocco. In this region, an above-average proportion of children are born with cleft lip and palate. Until now there were no specialist doctors or clinics in this poverty-stricken region. In April 2019, international medical charity Operation Smile opened a surgical and dental specialist clinic aimed at providing free medical support for over 600 families per year. Operation Smile, the architecture charity Article 25, and the Sto Group are partners and sponsors of the project.

www.werkstatt.sto.com

9

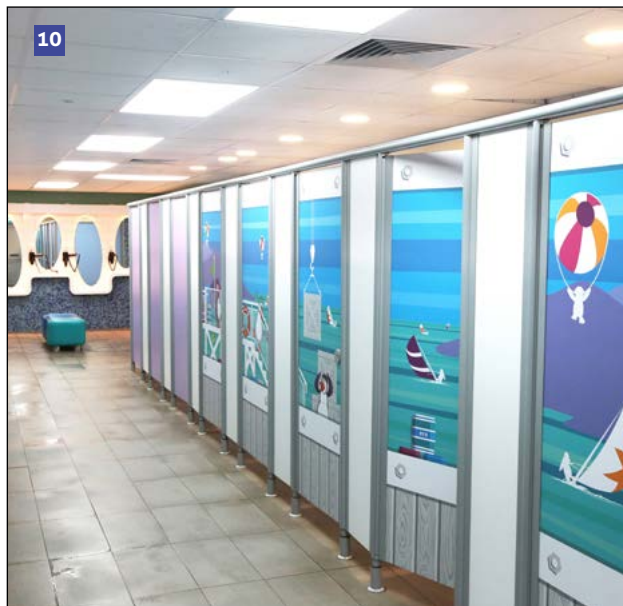


waterloo

AIR PRODUCTS PLC

Live Web Chat

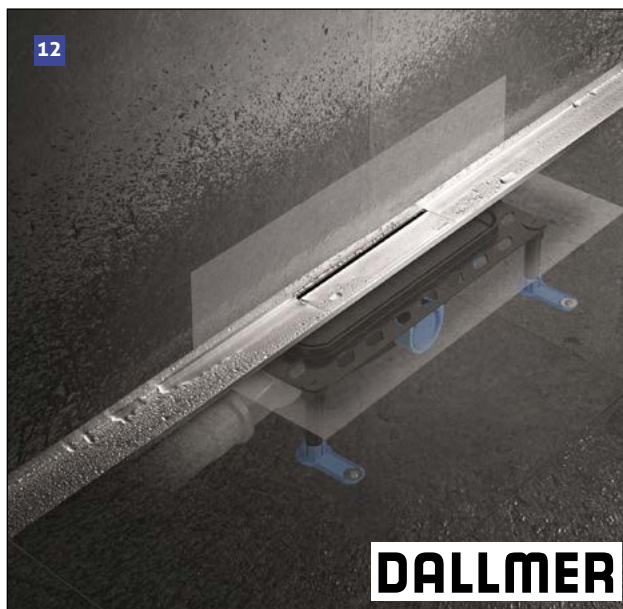
10



11



12



DALLMER

9

LIVE WEB CHAT FOR WATERLOO

Waterloo Air Products plc, leading UK manufacturers of ventilation grilles, diffusers, weather louvres and VAV systems, has added a live chat function for website visitors. Within the two-week initial trial, Waterloo's live chat proved popular with customers, and now it is a firm fixture on the website www.waterloo.co.uk. The number of people using the service is increasing every day.

Mark Purnell, Director of Customer Experience at Waterloo, has been the champion for live chat and he is very pleased with the enthusiasm of customers using the service. Mark says: "Waterloo has always put customer service first, and this development is part of our commitment to continually improve what we do."

www.waterloo.co.uk

10

FORMICA GROUP MAKE A SPLASH AT HAVEN'S HOLIDAY PARK

As part of a £3m redevelopment at Hafan y Môr; one of Haven's largest holiday parks, a new pool complex was built. The five month redevelopment meant all of the swimming pools were ripped out and completely redone from the ground up, with brand new pools added. Formica Group's Younique® digitally printed laminate panels were specified in the pool changing rooms. The bespoke serviced offered by Younique enabled the project team to transport the bright colours, designs and penguin statues dotted around the pool area on to the doors and lockers in the changing rooms, achieving a fun-filled family environment both in the pool area and out. Alongside the digital designs, Formica® laminate was used on the doors, pilasters, partitions and panels.

www.formica.com/en-gb

11

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

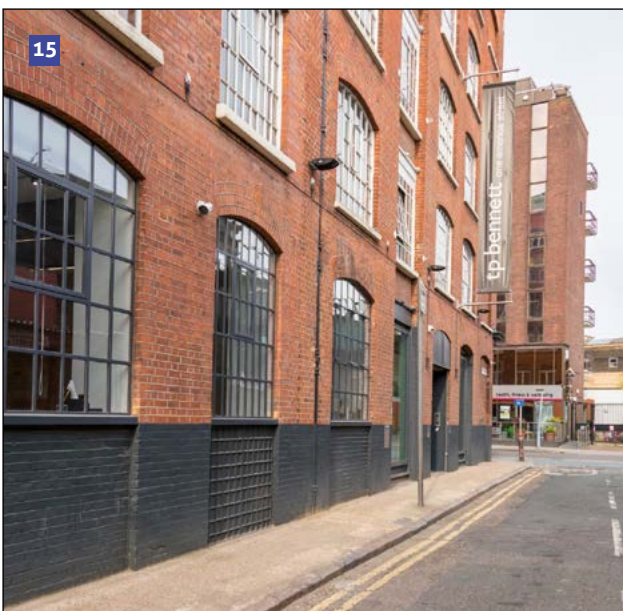
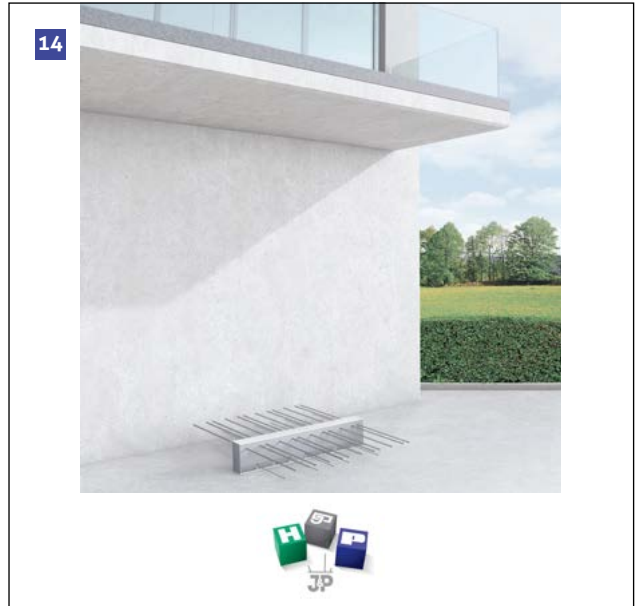
12

THE DALLFLEX FAMILY BY DALLMER CREATES NEW OPPORTUNITIES

Until recently, shower channels and drains in level-access showers were a fixed unit. The drainage specialist Dallmer has developed a system which separates the drain body from the shower channel. This allows for easier cleaning as well as a flexible shower channel length, facilitating precision-fit integration in the shower base. In doing so, Dallmer offers a drainage system that provides the greatest choice and flexibility possible for drainage in the shower area.

The DallFlex drain body is at the heart of the DallFlex system family, and can be used with all models of the CeraFloor and CeraWall shower channels, as well as Zentrix and CeraNiveau.

T: 01787 248244
E: info@dallmer.com
W: www.dallmer.com



13

OMNIE GROUND SOURCE SOLUTION FOR UNIQUE PLYMOUTH PROPERTY

After waiting a decade to gain planning permission to build their new home in a location steeped in British Naval history, a Devon couple were determined to optimise not just the views available, but also the technical specifications: choosing an OMNIE ground source heat pump to deliver the high hot water demand underfloor heating requirements throughout the spacious four bedroom property.

The OMNIE CWCV flexible GSHP range is available in three sizes with a maximum output of 13.5kW and can be suitable for small commercial as well as residential developments. They are compact and neatly packaged, while they are also supplied with peripheral equipment such as the necessary expansion vessels and manifold for connection to bore holes or shallow ground arrays.

www.omnie.co.uk

14

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

15

LONDON DESIGN PRACTICE SHOWCASES STEEL WINDOW STYLE

The headquarters of a leading design practice, located close to The Shard and the Southbank's redeveloped London Bridge Station, provide a stylish example of steel windows' relevance to a vibrant urban landscape. Steel Window Association (SWA) member, West Leigh, retrofitted three different systems into the building.

West Leigh was selected to supply a variety of frames for the offices of TP Bennett at One America Street when the practice undertook major renovation. Not only was the project a success, but West Leigh - located a few miles east in Charlton - has gained an ideal reference site for its diverse capabilities.

For further information on the Steel Window Association, please visit www.steel-window-association.co.uk or call 020 8543 2841.

16

LOCAL BLACKFRIARS, MANCHESTER

Local Blackfriars is a beautiful gated residential project, comprising 388 apartments, penthouses and townhouses across two towers, in Blackfriars, Greater Manchester. This striking look was achieved using a combination of finishes. An acid etched finish forms the base and the crown of the buildings, which provides an elongated appearance and the remainder of the precast elements are comprised of reconstituted stone with granite aggregate with a polished finish and incorporated cast-in green glazed tiles. A key feature of this project from Techrete's perspective was the fixing of the balconies directly to the panels on-site, facilitating much simpler construction and installation. Local Blackfriars was designed by John Matthews Architects and constructed by Domis Construction, with Techrete supplying the architectural, precast concrete panels.

techrete.com/



A WEDGE SHAPED 20,000 SQ. FT. BUILDING FEATURING A CLT STRUCTURAL SYSTEM

: SKYLAB

B76 was designed as a working-class building aimed at public transportation connectivity, pedestrian openness, and bicycle priority access. It is positioned centrally in the new eastside community envisioned by the Burnside Bridgehead Framework plan. The ground floor will be activated by storefronts along third avenue and a work space above. This new building program will also reintegrate a pedestrian stair down from the Burnside Bridge level to third avenue akin to the original stairs that previously existed.

This wedge-shaped 20,000sq ft building will feature a new CLT structural system with open ground level commuter oriented retail environments for daily guests and tenants. The workspace above will be wrapped in brick masonry with the building acting as an anchor for the Burnside Bridge and a gateway to the eastside community.

SITE CHARACTERISTICS/CONSTRAINTS

A leftover berm space was created when the City of Portland built the new one-way Couch Street couplet reconnecting the roadway to the Burnside Bridge. This Central Eastside site is located at the geographic heart of the City of Portland and at the edge of the daily commuter flow of automobiles, bikes and pedestrians. The development helps to strengthen the connection between the eastside community and the westside downtown urban core. Also located in the neighborhood is the world-renowned Burnside Skatepark, constructed on an adjacent leftover city space beneath the Burnside Bridge and leased to the skate community. The building development team has additionally leased a small space under the bridge adjacent to b76 and the skate park for food carts. This will extend the Third Avenue ground level retail environment into the forgotten and unused urban spaces full of creative potential.

Project Size:20,000sq. ft.
Estimated Completion:May 2019
Program:Commercial Office and Retail
Zoning Constraints:Commercial and Retail uses only with no parking or loading.
Construction Systems:CLT
Developer:Key Development

ABOUT SKYLAB

Established almost two decades ago in Portland, Oregon, Skylab is a band of makers—curious, industrious and experimental. As architects, designers, creators and entrepreneurs, Skylab works together across a wide range of landscapes and locations. Their designers are futurists, making today what they believe will inspire and connect people tomorrow. By exploring, curating and innovating, they are always looking ahead to create what may shape tomorrow. Skylab reveals the unseen for those willing to seek it.



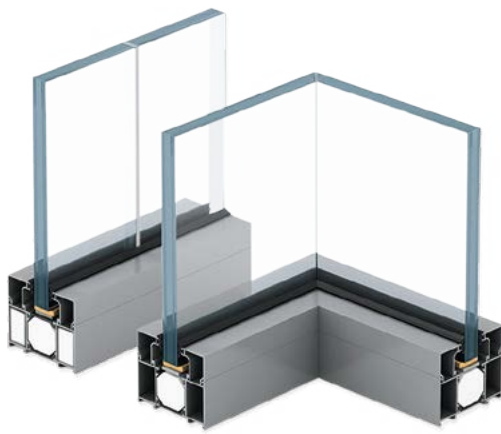
Offering unique and customized services, Skylab’s greatest value is in their holistic approach to problem solving across the following disciplines and offerings: Architecture, Interior Design, Branded Environments, Planning.

skylabarchitecture.com



THE GROUND FLOOR WILL BE ACTIVATED BY STOREFRONTS ALONG THIRD AVENUE AND A WORK SPACE ABOVE

The Fire Resistant Glazing Experts



ALUFIRE[®]
fire resistant glazing solutions

Fire resistant internal glazed walls, doors & windows
Frameless fire resistant glazing systems
Fire resistant external glazed doors & windows



CHECKMATE FIRE

CONTAINMENT | FIRE DOORS | COMPLIANCE

Your designs are unique, expressing your creativity and style.

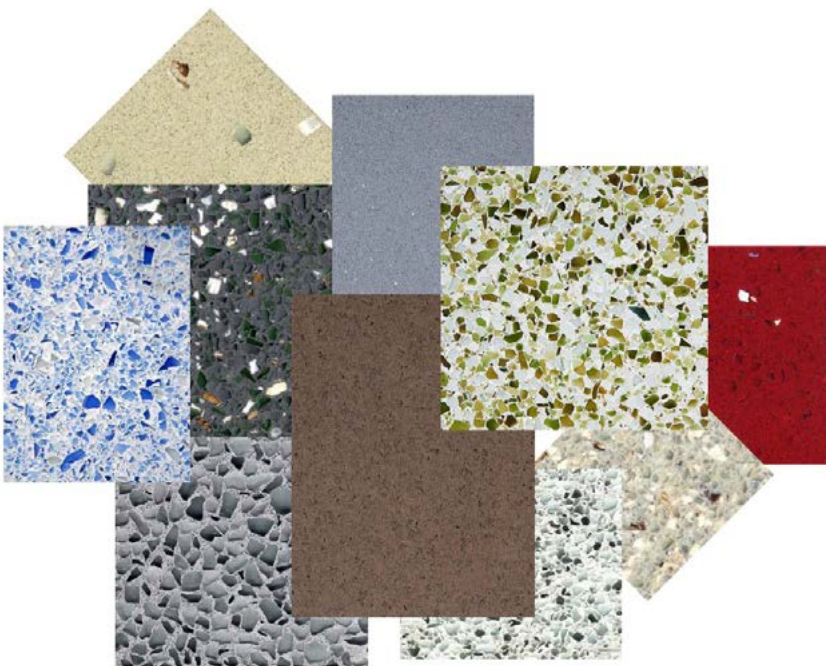
An ethos that has never been more clearly defined than with the Alufire range of fire resistant glazing solutions, which allow you to design stylish interiors and exteriors without compromising on safety.

Whether you need a frameless glazed wall for a slick modern office building, a design that combines maximum light and excellent acoustic properties for an educational space, or exterior doors and windows for a refurbishment project, Alufire will do the job.

Integrity and insulation come as standard, with the EI rated systems providing protection against flames, smoke and heat. Furthermore, the Alufire range has achieved the LPCB certificates LPS 1158 and LPS 1056, and also delivers exceptional acoustic values with a sound reduction index RW of up to 47 dB.

Checkmate Fire's specially trained and fully certified installation team can accommodate unusual shapes and configurations in any environment, making the style and added safety benefits of Alufire's fire resistant glazing a great choice for any new build or retrofit project.

Call us on 01279 850021 or visit www.checkmatefire.com/glazing



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GLASS

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