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EDITION

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SUMMER 2022

Appointments & news	02
Building products	10
Interiors	20
Exteriors	37



Cover image: AET
See page 21 for details

Major innovative new solution from the ever progressive Schöck



Sconnex type M



Sconnex types W (left) and P (right)

Over six decades Schöck has built a formidable international reputation for innovative and progressive product design. The company is best known for its market leading range of Isokorb structural thermal breaks, but its pioneering reinforcement technology and impact sound insulation solutions are also a significant part of the product portfolio. Innovation though is not always about original product development. The Schöck philosophy of rethinking existing product capabilities can lead to derivative technology and the new Sconnex product range is a perfect example. It offers outstanding insulation performance, combined with an exceptional load-bearing capacity.

Closing the last major thermal bridge

Type W, for insulating the thermal bridge at the base, or the top of the reinforced concrete

wall; type P for insulating the column head and eliminating the need for flank insulation; and type M, a capillary barrier that insulates at the base, or the top, of a masonry wall. With these ingenious high quality solutions, the company has transferred its Isokorb expertise in balcony technology to walls and columns. But what necessary development steps and which building physics obstacles had to be overcome for the concept to become an approved component?

Building physics and expert analysis

The main focus of the 2050 building policy guidelines is to reduce energy losses and a critical area is the thermal performance of the building envelope, through a fabric first approach. Sconnex contributes significantly to meeting such a challenging and vital sustainable concept. About 40% of all thermal bridges in a building are caused by walls and columns, resulting in around 10% of heating energy losses. So the objective was to be the first company to develop a component for wall and column connections that both minimises thermal bridges and makes external insulation unnecessary. However, bringing a major new product to market requires extensive due diligence. First, building physics analysis confirmed the solution as being realistic in its practical implementation. Then, extensive expert opinions were prepared for the German Institute for Construction Technology (DIBt), where all mandatory legal requirements, including 90 minute

fire resistance, were met. Because of the variance from practiced construction methods, Schöck also involved scientists from the University of Darmstadt. With groundbreaking innovations, Schöck often teams with specialists from universities and high-profile engineering firms in the development of calculation models. In one dissertation, an empirical design proposal was created for the application of the connection element in construction practice, based on extensive experimental studies on its load-bearing behaviour. Schöck test results were also incorporated and the design proposal ratified by expert opinion.

Total assurance for architects and planners

By introducing Sconnex, Schöck has met the needs of the construction industry in maximising the reduction of thermal bridges involving walls and columns. Architects and planners can be assured that the Sconnex product family sets new standards for energy-efficient construction in the 21st century; and those who have already incorporated the products into their projects are enthusiastic about the new design freedom, the planning safety and the economically achievable results for the client.

For further information on the new Sconnex product range contact Schöck, or visit the website to download the brochure.

01865 290 890
www.schoeck.com

All three product types



Advanced welcomes fire safety guidance for new high-rise residential buildings

Fire protection solutions manufacturer, Advanced, has welcomed the amended Approved Document B of the Building Regulations as a “positive step in the right direction to improve fire safety in new high-rise residential buildings”.

Published on 1 June 2022, Part B (Fire Safety) offers new improvements to fire safety guidance to ensure tall buildings are made safer in England, as part of a wider package of reforms. A ‘significant’ addition to the document is the mandatory requirement for new residential developments over 18m to incorporate an evacuation alert system, offering new clarity for those involved in the design or construction of residential developments.

An evacuation alert system is vital to help fire and rescue services inform residents of a change in evacuation strategy during an incident. This gives fire and rescue services an additional tool to use on the ground, alongside existing methods of evacuation, improving safety for residents. To comply with the amended Part B, an evacuation alert system should be provided in accordance with BS 8629 Code of Practice for the design, installation, commissioning, and maintenance of evacuation alert systems for use by fire and rescue services in England.

Amended Part B is designed to meet recommendations from Phase One of the Grenfell Tower Inquiry. Currently the Part B requirement for an evacuation alert system only covers new build high-rise residential buildings. However, since the Grenfell Tower Inquiry also recommends evacuation alert systems for high-rise residential buildings “already in existence”¹, further regulation may follow.

Ken Bullock, business development manager for Evacuation Alert Systems at Advanced, said: “We welcome the amended Part B of the Building Regulations and the clarity it gives when it comes to fire safety. An evacuation alert system gives fire and rescue services a valuable tool which allows them to evacuate residents at risk in a safer, managed way. At Advanced our EvacGo Evacuation Alert System is designed as an easy way to meet BS 8629:19 and so can it offer peace of mind to those responsible for a building that by choosing this system they are complying with Building Regulations.”



“We appreciate that new regulation can be confusing, so not only have we carefully designed the EvacGo to take away the hard work for building owners, end-users and importantly frontline fire and rescue services, we also offer a CPD presentation on evacuation planning and BS 8629 Code of Practice. The CPD is suitable for consultants, fire risk assessors and anyone else who needs a better understanding of the requirements of the British Standards Institution code of practice BS 8629.”

The amended Part B forms a portion of a wider update to tighten Building Regulations and provide clearer fire safety rules for the design and construction of residential developments. The Building Safety Act names HSE as the new Building Safety Regulator in England and as such will enforce compliance of the Building Regulations. The Building Safety Act will place formal responsibilities on those involved in the design, construction of any buildings to ensure compliance with building regulations, and will give the regulator greater powers to prosecute for non-compliance. It will be the duty of the people responsible for a building to put in place and maintain a golden thread of information, with their responsibility continuing for the life of the building.

Other key changes within Part B include

the requirement for all new residential buildings over 11m to include a Secure Information Box that will give fire and rescue services access to important details about a building in the event of a fire. In addition, the government has introduced tougher standards for external wall materials on new medium-rise blocks of flats.

As a world leader in the development and manufacture of intelligent fire systems, Advanced is committed to creating a safer future. A reputation for performance, quality and ease of use see Advanced products specified in locations around the world, from single-panel installations to large, multi-site networks. The Advanced product portfolio includes complete fire detection systems, multiprotocol fire panels, extinguishing control, fire paging, false alarm management and reduction solutions as well as emergency lighting.

Advanced is owned by FTSE 100 company Halma PLC – a global group of life-saving technology companies with a clear purpose to grow a safer, cleaner, healthier future for everyone, every day.

For further information on the EvacGo Evacuation Alert System, please email EvacGo@advancedco.com

0345 894 7000 uk.advancedco.com



Yorkshire Housing Visits Aico Headquarters for a Product Development Day

Aico, the European Market Leader in Home Life Safety, recently welcomed Yorkshire Housing, winners of the Inside Housing Innovation Week award to their headquarters. Part of the prize for winning the Inside Housing Innovation Week Award was £10,000 and support from Aico to develop their innovation idea, with Aico recently conducting a product development session within their Centre of Excellence for Yorkshire Housing.

The visit provided a selection of informative sessions led by Aico colleagues, as well as a tour of Aico's Centre of Excellence. A Product Development session guided Yorkshire Housing attendees through Aico's development process from a hardware perspective, showcasing many of Aico's product development journeys, including Aico's connected home products and the benefits they can bring to both Housing Associations and their tenants.

These sessions highlighted the uses of Aico's Environmental Sensors and Ei1000G Gateway to the Multi-Sensor Alarms, emphasising that all products supplied by Aico are thoroughly tested and designed with end users in mind. Creating accurate and reliable home safety systems, that are beneficial to all who use them.

HomeLINK's Product Manager & DPO, Jordan Toulson walked Yorkshire Housing through



the development and innovation behind Aico's Internet of Things platforms, commenting: "It was great to welcome Yorkshire Housing to the CoE – as part of their prize for winning the Housing Innovation Week Award we showed them how we go about innovating both our hardware and software products, as well as some sneak-peaks at upcoming products and features."

The day concluded with a Product Feedback session, that enabled Aico to hear Yorkshire Housing's thoughts and opinions on their product development process and the products themselves. This offered insight into what housing associations want to see next when it comes to fire alarm safety systems and connected home offerings.

Lauren Hemmings, Yorkshire Housing's ICT Service Development Manager, reflected on their

visit to Aico: "It was fantastic when Yorkshire Housing won the first Inside Housing Innovation Award, including the opportunity to visit Aico at their Centre of Excellence and get a peak behind the scenes of how products are developed and tested. The day was informative, interactive (including a demo of how devices work in reality) and opened up a chance to collaborate on future ideas for products that will enable our customers to receive insights via emerging technology. I cannot wait to see how Yorkshire Housing's customers will benefit from the feedback that Aico and HomeLINK use for future innovative development ideas."

Aico's Product Development Manager, Michael Wright, comments: "We were delighted to welcome colleagues from Yorkshire Housing to Aico. It was great to be able to share in an involving and dynamic day, discussing all aspects of product innovation within housing to bring safer and healthier homes for residents."

For more about Yorkshire Housing and the services they offer within the affordable and social housing sector visit www.yorkshirehousing.co.uk.

Find out more about Aico's connected home offerings and home life safety systems that benefit so many housing associations and their tenants.

01691 664100 www.aico.co.uk/products



Building Adhesives and ARDEX celebrate awards success

Building Adhesives Ltd and ARDEX have celebrated award success at this year's Tile Association Awards.

Held at The Hilton Birmingham Metropole on Friday (24th June), this year's awards were themed "Stronger Together", and recognised the best of the best in the tiling industry.

Success began with David Wilson, UK Head of Standards and Specifications at ARDEX and Building Adhesives Ltd being presented with the Lifetime Achievement Award for his more than 35 years' service to the tiling industry.

Chosen by the TTA Board, this award recognises an individual who has made an outstanding contribution on the growth, promotion, technical or training areas of the wall and floor tile industry during their career.

A respected and leading industry voice, David first joined Building Adhesives Ltd as an R&D Chemist. A member of the Royal Society of



Chemistry, David sits on numerous industry bodies including BSI B539 Technical Committee, CEN (European) Standards TC 67 WG3 and the TTA Technical Committee and has been responsible for helping to formulate many of the British Standards that tilers and contractors work to today.

Success continued for Building Adhesives and ARDEX with Stacey Livett, UK Head of Customer Service, being awarded "Employee of the Year".

Stacey was recognised for successfully integrating customer service and order

management teams at Stoke-on-Trent and Haverhill, while facing major raw materials shortages, COVID restrictions and force majeure.

Despite these challenging conditions, she has helped deliver record orders for customers as well as ensuring end-users are supported with technical and product enquiries now fed into the joint team.

Finally, ARDEX and Building Adhesives tasted success with "Highly Commended" in the Best Domestic Category, for a Dream Pool Project in Staffordshire by Rob Faulkner and his team from Abstract Pools.

A very labour-intensive project, Rob carried out all the rendering, screed works, and installed the hand-built steam room, formed-experience showers, massage room and high-end changing room.

ardex.co.uk bal-adhesives.com



Grade II Grantley Hall wins Specification Award

The Grade II listed luxury hotel and spa Grantley Hall in Ripon, North Yorkshire, has scooped the prestigious Winner of Winners Award sponsored by GEZE UK at the 40th anniversary AI Specification Awards.

The award was presented by GEZE UK MD Kaz Spiewakowski to architects Bowman Riley and architectural ironmongers Em-B Solutions Ltd at a glittering ceremony at London's Leadenhall Building.

Grantley Hall opened in 2019 as a high-end hotel and spa following decades of neglect. The project required an extraordinary level of care to ensure the seamless integration of new and old ironmongery. The new products were designed to perform to the latest standards and operate with an access control system, while integrating with the antique brass and stainless steel furniture already in situ.

Said Kaz Spiewakowski, MD of GEZE UK: "As longstanding sponsors of this award we recognise the importance of architects and architectural ironmongers working together to produce beautiful



GAI President Mario Del-Signore; Philip Goldberg, Mark Brown, and Andy Fitzgerald (Em-B Solutions); Ruth Bush (Bowman Riley); and Kaz Spiewakowski of sponsors GEZE UK

buildings that are also perfectly suited to those using them."

Explaining the Architectural Ironmongery Specification Awards GAI President Mario Del-Signore said: "Entries are judged on the effectiveness of the architectural ironmongery specification and how it enhances the security, accessibility and safety

of the building, whilst also adding to its aesthetics, functionality and lifespan."

More information about the awards and all the winners can be found on the news section of Guild of Architectural Ironmongers website www.gai.org.uk.

01543 443000 www.geze.co.uk/en



Accessibility and convenience combined

GEZE's TS 5000 Ecline overhead door closer with guide rail combines accessibility and convenience in one innovative all-round closer.

GEZE, a leading manufacturer of door and window control systems has called the product the TS 5000 Ecline, pronounced EASYLINE, to highlight the ease of opening the closer offers.

Providing barrier-free, easy to open doors the TS 5000 Ecline is suitable for right and left single action doors with a door leaf width of up to 1250 mm. It also has integrated back check, hydraulic latching action, and the closing speed can be individually adjusted.



In addition the closer offers flexibility in installation as it can be installed on the door leaf on the hinge side or on the transom on the opposite hinge side and all functions can be adjusted from the front of the closer. The L version of the closer enables it to be mounted on the push side of the door.

It is part of the GEZE family of closers that have the same styling, perfect for when different closers are needed throughout a building, and it has the same fitting footprint as other GEZE closers allowing it to be fitted in place of other closers without having to re-drill the door.

With a closing force of EN 3-5 with variable adjustment the TS 5000 Ecline is suitable for fire and smoke protection doors.

Andy Howland, sales & marketing director of GEZE UK, said: "The TS 5000 Ecline is one of our most flexible closers and can be installed anywhere where the convenience of passing through a door easily is required and perfect for ensuring access for all. Add in that it is suitable for smoke and fire protection doors and you have a great all-rounder!"



More information is available by visiting the company's website, or please email for a brochure to be emailed or posted out.

info.uk@geze.com www.geze.co.uk



How roofing industry leaders can help address specifiers' insistence on more extensive fire testing

As architects, clients, building control and other specifiers are rightly insisting on fire test certificates that directly reflect the exact roofing system being installed, Dean Grady, senior product engineer at Sika, discusses the role of EXAP testing and how industry leaders can help.

Without question, today's roofing industry is experiencing a greater focus on the fire performance of roofing systems than ever before. While events of recent years have heavily influenced this – and, in part, clients, building owners and insurers have their own criteria to be satisfied – changes in regulations have played a major role.

These regulations, while extensive, are reasonably clear, stating that, in general, roof systems must be classified to BS EN 13501-5 B_{ROOF}(t4); the exception being that 'attachments' on buildings over a certain height (18m in England and Wales and 11m in Scotland), meaning the insulation must also

be non-combustible. Furthermore, there must not be any 'views' offered by manufacturers as to the performance of their products in lieu of testing.

As those within the industry have been leaning on manufacturers to demonstrate performance, rather than make their own judgement or interpretation, historically, manufacturers have tended to offer a range of fire tests considered representative of performance.

Historically, in the absence of directly representative test data, there has been a tendency to supplement limited test data that is perceived to be representative and supplement this with opinion and experience. However, at Sika we fully support the redundancy of this approach and move towards a purely evidence-based demonstration of fire performance only, which has been independently verified by an appropriate accredited third party. We have seen for a while now that architects, clients, building control and other specifiers are

increasingly insisting on fire test certificates that cover the exact system being installed, becoming more commonplace – and moreover it's something the regulations ask for too.

While it is clear the market is becoming acutely aware of fire safety and that specifiers are looking to industry leaders for help, the problem for manufacturers is how to test such a large range of possible system permutations, taking into account numerous substrate types, air and vapour control layers (AVCLs), insulation types and thicknesses and waterproofing membrane types and thicknesses – the variations are almost endless, as no two projects are ever exactly the same. Thankfully, the industry is in consultation through its trade bodies and associations to find a fair way forward and establish a simplified and unified approach. However, with issues such as this involving collective agreement between the industry and regulatory bodies often taking a substantial amount of time, Sika has opted to act ahead of this.



Sika had completed Extended Application Assessments, testing to CEN/TS 1187:2012 Test method 4 for the entire Sika Sarnafil range of PVC single ply membranes



Dean Grady, senior product engineer at Sika



Architects, clients, building control and other specifiers are increasingly insisting on fire test certificates

Uncovering the role of EXAP

Based on our own experience of what was being requested by way of fire test evidence, while also consulting with accredited fire test houses such as Warringtonfire, Sika embarked on a project that has seen a substantial amount of time, finance and resource invested in a solution that covers ranges of system permutations.

With tests and test data extrapolations only able to be done by accredited fire test houses, it became clear that there was already an established and recognised solution to cover the myriad of roofing systems that Sika offers. Fire tests on individual roofs/roof coverings are now carried out in accordance with CEN/TS 1187, the results from this testing are then classified in accordance with EN13501-5.

CEN/TS 16459 External fire exposure of roofs and roof coverings – Extended applications of test results from CEN/TS 1187 provides bodies like Warringtonfire with methodology or ‘rules’ for optimising the number of tests required to cover the maximum field of application. This methodology is what’s commonly termed an ‘EXAP’ – Extended Application, while CEN/TS 16459 provides the means to classify

a range of permutations to EN13501-5.

Far from an easy way out of testing, the process is demanding because it still involves physical testing to CEN/TS 1187 and of course this must still be passed. However, it does allow for tests to be done in increments and to then cover the range in between. Sika already had a large body of test data available, which has been a huge advantage in what has been a mammoth undertaking spanning more than two years.

Sika Sarnafil single ply and beyond

In October 2021, we were delighted to announce that Sika had completed Extended Application Assessments, testing to CEN/TS 1187:2012 Test method 4 for the entire Sika Sarnafil range of PVC single ply membranes. Subsequently, the most common Sika Sarnafil roof systems are now all classified under BS EN 13501-5 as B_{ROOF}(t4). This covers every membrane type, AVCL, thickness of PIR insulation 50 mm and beyond, up to a 70° pitch and on any structural substrate.

With Sika Sarnafil roof systems classified as BROOF(t4), we’re able to demonstrate and facilitate regulatory compliance for fire safety and satisfy current market demand.

Having this comprehensive B_{ROOF}(t4) classification – which indicates the highest external fire performance for roofs – means that specifiers and other stakeholders can use Sika Sarnafil on their roofing projects with a very high degree of confidence, assured that they’re complying with fire regulations. Working with an accredited, independent fire test house (the only people who are permitted to undertake any degree of desktop/extrapolation studies now) also clearly removes the ability for anyone else to interpret or extrapolate the fire test data that may have been practised in the past.

Not only is it a clear way forward in terms of mitigating roof fire risk, but it is also a great step towards helping support those with the heavy responsibility of ensuring people’s safety by increasing the confidence and reassurance specifiers are looking for.

Continuing to strengthen Sika’s position as an expert and leader in testing and compliance, we now have plans to extend the initiative across the entire Sika roofing range, starting first with liquid-applied membranes and Sikabit bituminous membranes.

01707 394444 enquiries@uk.sika.com
www.sika.co.uk/roofing



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JACKON helps developers meet the requirements of the new Part L regs

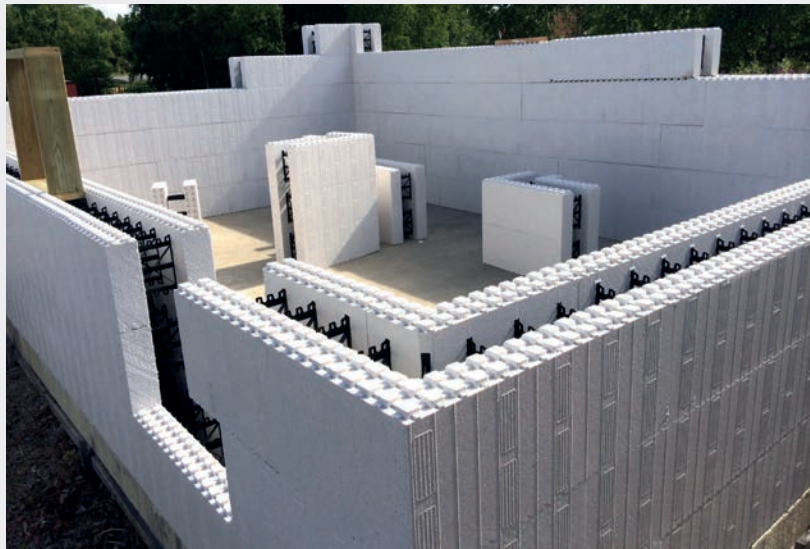
Visit JACKON's stand at UK Construction Week and find out how the sustainable houses of the future will be built.

JACKON's two building systems - JACKODUR® Atlas and THERMOMUR® Insulated Concrete Formwork (ICF) - are revolutionising UK house construction. This technology is growing at a time when the Future Homes Standard is set to be a key feature of the construction industry going forward, underpinning the green development of the housebuilding market.

JACKON's building systems help developers meet and surpass the requirements of all the latest regulations, including the recent changes to the Part L regulations, which have meant that from June this year, all new homes must produce 31% less CO2 emissions, compared to what was acceptable under the previous Part L regulations. This puts the responsibility for achieving improved energy performance on to the developers of new dwellings.

By using THERMOMUR® ICF moulded expanded polystyrene (EPS) to create the formwork and JACKODUR® ATLAS extruded polystyrene (XPS) to create an insulated floor slab, as well as JACKOBOARD® insulated tile backerboard for internal tiling in bathrooms, wetrooms and other areas, developers can ensure that their projects are sustainable and energy-efficient.

JACKON THERMOMUR® achieves a u-value of



0.15 for walls with no added materials, and the JACKODUR® ATLAS system can be designed to achieve 0.11. ICF integrates insulation materials into the concrete formwork, totally revolutionising the way a house is constructed. As well as being easier and quicker to build, an ICF house provides considerable advantages during the life of a building. The benefits include: dramatically improved insulation and air tightness

leading to reduced expenditure on heating and cooling; excellent acoustic performance; fire resistance; enhanced resilience to flood, extreme weather and seismic activity; rot and vermin resistance; versatility with regard to re-modelling; minimal maintenance requirement; mortgage, insurance and planning acceptance.

01204 221089 www.jackon.co.uk



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Harrison Thompson appoints a Finance Director

Alison Greer joined the board of directors of Harrison Thompson this month on 6th April 2022, becoming the first female director in the company's 56-year history. Alison will provide leadership to the Board's Finance and Accounting strategy, providing financial analysis and guidance, business drive and plans. This will optimise the company's financial performance and contribute to the development of company strategy.

In July 1984, Alison began working as a receptionist at Harrison Thompson. After a short period, she was promoted to working a dual role between accounts and sales demonstrating enthusiasm in all responsibilities. Managers were quick to identify Accountancy was where she flourished and found fulfilment. It was then that she was appointed the Accounts Administrator role, to pursue this career path.

Alison successfully attained several accountancy qualifications, becoming a qualified finance professional achieving MAAT and was promoted to the Accounts Team manager. After many years of hard



work, dedication and going above and beyond in this role, in 2001 she was appointed the Company Secretary. This was a successful transition and she excelled in this role working closely with directors.

For almost 38 years, Alison has played a vital part within the company and is already a key decision maker. Already involved in the operations and outcomes, it has been an

easy business decision to invite her to join the board of directors.

Alison remembers been asked by a company director some years back, where she sees herself in 10 years' time and her response was "I want to be in your role, I want to one day become a director." Harrison Thompson is pleased that she has been able to achieve what she set out to do at an early stage in her career and that they have been able to provide this opportunity for her.

The company directors are excited to have Alison on board saying: "We feel that this appointment is well deserved and will strengthen the company moving forward. Congratulations Alison, we wish you all the best".

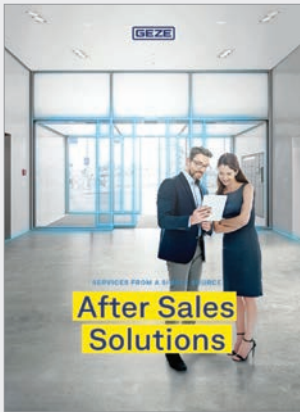
Alison's response was: "I am chuffed to bits, it's a privilege to join the board. I do not underestimate the responsibilities that come with the role, but I am excited to take them on."

Harrison Thompson congratulates Alison on this fantastic promotion.

0113 279 5854 www.yeomanshield.com



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Solutions for After Sales

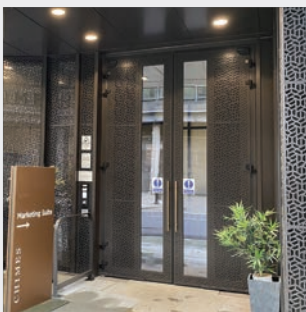
GEZE UK, the UK subsidiary of GEZE GmbH, a leading manufacturer of door and window control systems, has introduced the After Sales Solutions brochure that details the after sales services GEZE UK offers for manual and automatic doors and windows. The brochure explains the benefits of regular servicing – maintaining accessibility, minimising downtime, prolonging usability, reducing lifetime costs and fulfilling an organisation's responsibility as a building owner or facilities manager. GEZE UK's after sales team can install, maintain, repair, provide asset management, spare parts and refurbish existing doors and provide a full range of services for automatic doors, industrial doors and fire doors. The brochure is available digitally by visiting the company's website or for a copy to be emailed, or for detailed information on the after sales services available email info.uk@geze.com. Adam Presdee, Service Director of GEZE UK, said: "GEZE UK offers a complete 'umbrella' of after sales solutions for all doors automatic, manual and industrial. This brochure encompasses our approach whilst explaining the operational, commercial and environmental benefits of having a good maintenance regime and partner. We offer a service package that is tailored to each individual customer's needs."

01543 443000 www.geze.co.uk/en



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Ding Dong!



An exclusive collection of high-end apartments in the heart of London, Chimes offers luxurious homes coupled with a wealth of amenities within a dynamic local community. Providing automatic access to the main entrance of this exclusive development, TORMAX installed a double set of swing doors that are automated by iMotion 1401 operators that are recessed into the floorspace. Delivering incomparable reliability in the marketplace today, the in-house designed TORMAX iMotion 1401 door operator is entirely maintenance-free thanks to the unique design of the powerful synchronous motor. Further ensuring ongoing performance, the drive is certified protective class IP67, making it resistant to water, humidity and soiling. TORMAX developed the iMotion 1401 door operator to allow discrete automation of swing doors for locations where a minimalist finish is required or in historic locations where maintaining the original aesthetics is essential. The iMotion control unit incorporates the latest hi-tech sensors, delivering obstacle recognition on both opening and closing. Simplifying operation for Chimes' staff, the opening movement and the door held-open time can be saved as two separate, pre-defined settings.

www.tormax.co.uk



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Resapol announces new website launch



Resapol, the UK's trusted independent supplier of specialist construction products is pleased to announce the launch of their new website. The website is the culmination of months of work developing a new, modern site that fully meets the requirements of their broad customer base. The site allows users to view Resapol's extensive product range in a more fluid and user-friendly environment, whilst also offering enhanced content and exciting new features. The website is fully optimised meaning that whether you are on the move or sat at a desk the content is accessible. One of the many enhanced features is the new, improved product pages which allow easier access to product information, datasheets, reviews, videos and product guides. Other exciting additions to the site include the dedicated Resapol Foundation page offering more information on how their charitable arm works. Other new pages include news, download, company and merchant support, with even more planned to be added over the coming months. The new Resapol website truly provides everything you need to know about Resapol and their extensive range of products.

0800 083 1942 www.resapol.com



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Magply gains coveted BBA Certification



Magply magnesium oxysulfate (MOS) boards have recently undergone a stringent testing programme by the British Board of Agrément (BBA), which helps clients validate their processes and mitigate risk offering greater confidence for specifiers of the products tested. After a painstaking two year process, Magply's faith in the multipurpose panel was justified by the BBA's issue of a much-coveted Agrément certificate no. 22/6050. Stages involved the BBA carrying out a full audit of Magply's existing testing regime – along with undergoing a number of the authority's own rigorous trials. These included a six-month evaluation of the board for leeching, which thanks to the material's inherent stability resulted in a zero score. The certification – now published – comes in two parts: the first covering the board as a sheathing solution, the other when Magply is used in rainscreen cladding with a render finish. These in turn cover considerations such as Magply's compliance with Building Regulations, independently verified technical specification, regular surveillance of the production process and verifying installation guidance. Behaviour in relation to fire, moisture resistance and durability were also assessed.

01621 776252 www.magply.co.uk



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Resapol's new brochure hot off the press

Resapol, the UK's trusted suppliers of specialist construction products, are extremely proud to announce the launch of the first edition of their Contractors Essentials Brochure. The concise brochure has been designed to give an overview of the key products available from Resapol. The full product range totals some 6,000 products and this brochure gives a glimpse at some of the best sellers across the main product categories. The products selected are from some of the world's biggest manufacturers, spanning waterproofing, concrete repair, sealants, adhesives, grouts, flooring, roofing, highway and landscaping products.

Each product in the brochure features key information as well as details of ancillary products that should be used in conjunction, such as primers, applicator guns and other similar accessories. QR codes also accompany each product which on scanning by any smartphone takes the user directly to the product datasheet, thereby providing even more detailed information. The new brochure is available in all Resapol branches as well as on the downloads section of the Resapol website.

0800 083 1942 www.resapol.com/downloads



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FIREFLY™ Apollo Lite creating half hour fire barriers in new research building



A specialist contractor undertaking all of the fireproofing within a new medical research building in Surrey has been making use of two well proven, flexible fire barrier products from the TBA's FIREFLY™ range, to provide 30 minutes protection within the majority of the ceiling voids throughout the four-storey structure. Dartford based CLM Fireproofing was founded 30 years ago by Clive Miles and has established a reputation as a leader in the fields of both passive fire protection and fire-stopping, working in a variety of sectors on projects right across the UK. A regular user of the FIREFLY™ range, in this instance CLM is employing Apollo Lite and the Collaroll product in tandem to protect the ceiling voids. The spaces which typically house pipework, power cables and air conditioning units above the suspended ceiling grid, are provided with 30 minutes integrity and insulation through the installation of the flexible Apollo Lite barrier. The Apollo Lite 30/30 has been developed for use in vertical separation or compartmentation situations, offering both 30 minutes integrity and insulation, thereby exceeding the minimum requirements of the Building Regulations.

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SEWAGE TREATMENT SYSTEMS

We can provide package plant or bespoke systems
All systems are designed to meet the needs of individual clients and comply with strict discharge legislation.
Servicing contracts are offered on all installations.



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enquiries@thehdgroup.co.uk | 01494 792000 | www.hdservicesltd.co.uk

Resin pathway for 'Love Your Garden' show



When it comes to resin bound, the good news is that you can install it on a good existing surface such as concrete or tarmac. For light traffic areas in gardens a compacted stone is often sufficient, and preparation is not time-consuming or costly. A clear UV resin is combined with 6 mm Natural Aggregate blend, SureSet's Winter Pearl, in a forced action mixer, levelled at a 30 mm depth and hand compressed to an attractive smooth and permeable finish provides a resin bound garden to enjoy for a lifetime. For more info visit www.sureset.co.uk/case-studies/our-resin-pathway-for-itsv-show-love-your-garden-sureset/

01985 841 180 www.sureset.co.uk



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Spiral and helical staircase CPD webinars



Staircase experts, Spiral UK, offer architects a live bespoke staircase CPD presentation on Microsoft Teams or Zoom free of charge at a time that suits them. The session covers: staircase design, stair regulations ADK, ADB, ADM and specifically BS5395 Part II (which relates to spiral and helical staircases), the design, manufacture and install process, materials and finishes and case study examples. The session is 30-40 minutes depending on questions and can be tailored to the interests of the practice. Certificates of attendance can also be issued.

0330 123 2447 www.spiral.uk.com



LISTEN HERE

Office refurb specialist upgrading fire performance using TBA FIREFLY™ range



A high specification office building close to Manchester Airport has been subject to a series of planned refurbishment contracts carried out by a sister company to the property developer which owns it, with the phased work including the upgrade of each floor or unit's fire performance using smoke and flame barriers from the range of TBA FIREFLY™. Owned by Orbit Developments – part of the Emerson Group – Park Square is a modern commercial office building offering up to 65,000 sq ft of space over five floors, together with cafe and other amenities in an attractive setting. As leases of various occupants expire, the Group's fit-out contractor, Kirkham, strips out and refurbishes the vacated spaces, including installing TBA's Phoenix barriers above the suspended ceiling grids before fitting new panels and improved lighting. TBA FIREFLY™ Phoenix is a lightweight smoke and flame barrier developed to enable compartmentation within buildings to provide up to 120 minutes integrity under BS476 Parts 20 & 22. Certified by IFCC the flexible and straightforward to install material is suitable for both new-build and retrofit situations.

01706 758817 www.tbafirefly.com



LISTEN HERE

A hospital specifies TITAN Lite™ 120:60 from FIREFLY



An 18-month contract being carried out by a leading UK fire contractor has involved installing large quantities of the TITAN Lite™ 120:60, manufactured by TBA FIREFLY™, to create fire barriers above ceiling voids throughout many parts of the hospital. The hospital has 660 beds and provides medical and surgical care to a third of a million people. The refurbishment work, concluded at the end of November 2021, was being carried out by Plymouth based Ventro Ltd. The Site Agent for Ventro, John Roberts, commented: "As a specialist fire contractor working across the whole of the UK and beyond, we have employed Firefly products on many projects over the years and expect to continue doing so." FIREFLY™ TITAN Lite™ 120:60 has been developed as a flexible fire barrier to provide compartmentation of larger concealed spaces within different types of buildings including factories, warehouses and railway stations. By offering 120 minutes integrity and 60 minutes insulation, TITAN Lite™ 120:60 exceeds the minimum requirements relating to Fire Barriers as detailed in the UK Building Regulations: Approved Document B (Fire Safety). Firefly is manufactured using specially treated woven glass fibre fabrics.

01706 758817 www.tbafirefly.com



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Blue Sky thinking transforms disused barn



Blue Sky Barn is a fascinating conversion of a disused barn into a four-bedroom family home. Situated on a farm in Norfolk, architects 31/44 have used form and materials to preserve the memory of the original agricultural structure in order to create a stunning new residential and leisure environment with enhanced levels of comfort and refinement. The interior design fulfils the wish of the owners to preserve the original raw and cavernous character while avoiding overtly domestic finishes. With such a large spacious interior, including a 15 m long swimming pool, the architects needed to find a solution for reverberating sound and acoustic dampening. As a result, Troldekt's wood wool panelling has been used throughout the living and pool areas to combat and soften elevated noise levels. Troldekt is a perfect choice for this kind of application. Consequently, Troldekt Fine panels were specified for their sustainable characteristics coupled with superior acoustics to provide a comfortable interior environment. Troldekt's natural and inherently sustainable panels are available in a variety of different surfaces and colours and contribute positively to a building's BREEAM, DGNB and LEED ratings.

01978 664255 Troldekt.co.uk



LISTEN HERE

SterlingOSB Zero is the answer to green



Speed and efficiency favour off-site housebuilding; off-site favours timber frame; and timber frame favours West Fraser's SterlingOSB Zero. The result is less reliance on traditional site-based trades and a re-shaping of the housebuilding sector. In a recent House of Commons research briefing, it was estimated that 340,000 new

homes would need to be supplied every year to meet demand. Offsite timber frame construction could be the solution for housebuilders and using West Fraser's SterlingOSB Zero is just the ticket in terms of green, speed and cost when considering essential board materials.

uk.westfraser.com



LISTEN HERE

HR200 BP unit installed in 45 properties



VORTICE has supplied heat recovery units for 45 new affordable homes in the Heckington and Sleaford area. The design specification for the homes meant that the unit needed to be installed under the stairs, so, due to its compact dimensions, the Vort HR200 BP unit was an ideal choice. The HR200 BP is designed to ventilate constantly and this ensures the recovery of up to 93% of the heat which would

have otherwise been lost from the property. It offers 100% filtration even in summer bypass mode, ensuring good Indoor Air Quality for the tenants all year round. The unit boasts high energy efficiency levels.

01283 492949 www.vortice.ltd.uk



LISTEN HERE

£92 million student accommodation project receives Advanced Protection



Five new towers at the University of Brighton's Moulsecoomb Campus are now protected by a fault-tolerant network of MxPro 5 fire panels from global fire systems leader, Advanced.

The 13 networked MxPro 5 panels have been installed to protect the five student accommodation towers varying between eight and 18 storeys, which will provide more than 800 student bedrooms as well as ground-floor fitness facilities and amenities for the students' union.

Responsible for the fire system design, supply and commissioning were West Sussex-based Southern Fire Alarms (SFA) Ltd, who also installed the equipment alongside mechanical and electrical engineers, J&B Hopkins. The fire system is integrated with multiple third-party interfaces, including automatic opening vents (AOVs), sprinklers and access control.

Careful consideration was given to the complex cause and effect programming that needed to be applied across the site. Each building is configured with a six-minute investigation period, with sounders on the floor of origin initiated after a single device activation. A single subsequent device activation will escalate into full evacuation of the specific tower. A master key switch has also been introduced, to allow for full evacuation of all towers if required.

David Fell, Sales Director at SFA Ltd, said: "The integrity of the network was a key concern for our client. Many solutions appear to allow extensive cause and effect. However, in larger, networked sites, such as the five student accommodation buildings at Moulsecoomb Campus, some systems can fall short of

attaining adequate performance levels over longer distances.

"Advanced's solutions were SFA's first choice for this large-scale installation. We rely on Advanced products to deliver powerful cause and effect that can be easily programmed and maintained, carrying all the required inputs and outputs for third-party systems. This, in turn, ensures the safety of the hundreds of students who will be living on site."

MxPro 5 is the fire industry's leading multiprotocol fire system solution, certified by FM Approvals to the EN 54 standard. It offers customers a choice of four detector protocols and a completely open installer network, backed up by free training and support. MxPro 5 panels can be used in single-loop, single-panel format, or easily configured into high-speed networks of up to 200 panels covering huge areas. Ease of installation and configuration, as well as a wide range of peripheral, make MxPro 5 suitable for almost any application.

Amanda Hope, UK Fire Business Development Manager at Advanced, said: "The sophisticated cause and effect programming that our MxPro 5 panels offer, brings a range of verification and investigation delay options into play that can significantly reduce false alarms. The project at Moulsecoomb Campus that SFA, our long standing and trusted installer partners, were involved in is yet another fantastic example of our solutions delivering great value, reliability and peace of mind."

Advanced, owned by FTSE 100 company Halma PLC, protects a wide range of prestigious and high-profile educational facilities across the globe – from Scotland's University of Edinburgh and Serbia's University of Belgrade to Myanmar's

British International School.

Advanced is a world leader in the development and manufacture of fire protection solutions. Advanced's reputation for performance, quality and ease of use sees its products specified in locations around the world, from single-panel installations to large, multi-site networks. Advanced's products include complete fire detection systems, multiprotocol fire panels, extinguishing control, fire paging, false alarm management and reduction solutions as well as emergency lighting.

Halma is a global group of life-saving technology companies with a clear purpose to grow a safer, cleaner, healthier future for everyone, every day.

0345 894 7000
www.advancedco.com



LISTEN HERE

Advanced Lights the Way at University of Bristol



The University of Bristol has upgraded its emergency lighting with the installation of a further ten LuxIntelligent emergency light testing panels from Advanced. The new equipment has been installed alongside 21 existing LuxIntelligent panels linked to around 4,500 light fittings, to ensure ongoing compliance with the BS 5266-1 code of practice for the emergency lighting of premises.

The LuxIntelligent panels have been retrofitted across a range of university buildings, including seven halls of residence. They were chosen for their versatility and ease of use when replacing outdated emergency lighting on existing sites, allowing significant time and cost savings to be achieved.

A variety of LED luminaires have been chosen from the wide LuxIntelligent range, to protect buildings with very different lighting requirements. They include downlighters, spotlights, exit signs and bulkhead lighting that complement equipment already installed in the historic Victoria Rooms, the Wills Hall halls of residence as well as operating theatres and abattoirs in the veterinary college campus.

Chris Smith, Commissioning Engineer at the University of Bristol, said: "We fit various emergency lighting systems at the University of Bristol according to individual building requirements. The emergency lighting in some

areas of the University had become outdated and we could no longer source replacement parts, making repairs increasingly difficult. Having used Advanced's emergency light testing system across other parts of the University for many years, I was confident that we could rely on it for performance, compliance and peace of mind."

Matt Jones, Emergency Lighting Business Manager at Advanced, said: "It's fantastic to see our emergency light testing systems standing the test of time and being chosen for this major upgrade at the University of Bristol. We look forward to continuing to support the University as their future emergency lighting requirements grow."

LuxIntelligent from Advanced is an addressable, automatic emergency lighting test system, that shows all emergency lights are compliant and functioning, with no engineer involvement required. Each panel has up to four loops each, supporting 249 luminaires, and can be easily networked with existing wiring and luminaires, keeping installation costs to a minimum. The system also offers optional cloud monitoring and system management via mobile and web apps.

LuxIntelligent can be used with EasySafe, Advanced's latest range of addressable, low-voltage emergency luminaires and exit signs. Powered directly from the LuxIntelligent

panel, EasySafe devices need no local power supply and are compatible with any existing LuxIntelligent luminaires and exit signs, enabling the easy installation of devices onto existing wiring to form one intelligent emergency lighting system.

Advanced is a world leader in the development and manufacture of intelligent fire systems. Its reputation for performance, quality and ease of use sees its products specified in locations around the world, from single-panel installations to large, multi-site networks. Advanced's products include complete fire detection systems, multiprotocol fire panels, extinguishing control, fire paging, false alarm management and reduction systems as well as emergency lighting.

Advanced is owned by FTSE 100 company Halma plc, a global group of life-saving technology companies. Advanced products protect a wide range of prestigious and high-profile sites across the globe, from London's Shard and Lloyd's building to Abu Dhabi International Airport and the Hagia Sophia historic site in Turkey.

0345 894 7000 www.advancedco.com



Delta Amphibia – hydro-reactive, self-healing, self-sealing, multi-layer membrane system

Below ground waterproofing products, such as Delta Amphibia are a smart solution to ensure your basements are kept dry and safe. Delta Amphibia is a fully flexible and fully bonded pre-applied waterproofing membrane with self-repairing, self-sealing and self-fastening capabilities.

Delta Amphibia utilises a quad-layered system which comprises of Tight Barrier (fully watertight layer), Core (super-expanding safety layer, self-sealing and self-healing), Active Barrier (Hydro-reactive layer, expansion-controlled, for self-sealing overlaps) and Bond (Non-woven geotextile self-fastening to concrete).

Whether a structure is under continuous or intermittent hydrostatic pressure, Delta Amphibia is a reliable barrier against water. Combining Delta Amphibia's Core and Active Barrier this membrane reduces risks in pre and post applied waterproofing.

Delta Amphibia is extremely durable, engineered to protect the concrete structure, itself, against water ingress. From residential to commercial, Delta Amphibia is an ideal solution for the protection of underground structures.

When installed, Delta Amphibia can be applied in both horizontal or vertical applications and is suitable for all ground floor and below ground construction including lift pits, raft foundations, open basement excavation, sealing on internal formworks, construction joints, sheet piles, micropiles and service penetrations.

Delta Amphibia is manufactured to the highest quality and backed by independent test certificates.

Delta's Managing Director Kevin Dodds said: "We are extremely proud to be



launching Delta Amphibia, whilst the Covid-19 pandemic saw Delta reimagine nearly every facet of our operations, it also accelerated our product development. In our experience helping customers and clients to solutions which stand out for their substantial benefits, as well as for their ease of application is at our core. With updates to BS8102:2022, Delta Amphibia is sure to be a popular choice with specifiers and installers."

David J Symes concluded: "In an ever-changing built environment, it's vital for manufacturers to continue investment in product innovations which will allow us to continue our ambitious growth journey and

support our mission to provide permanent solutions to age old problems."

Always happy to help

Do you have questions about a project, product, or application? In an ever-changing industry where reduced risk and higher quality is required, you need a waterproofing design partner that is proactive and dedicated to help you keep up with innovative technologies and solutions to ensure your projects thrive. Whatever the needs of your business, you can rely on the #DeltaTeam to ensure you get the right advice, support, and practical help at exactly the right time to keep you ahead of the competition.

If you have a general question, or if you would like to talk to someone but you are unsure which team you should speak to, you can call us on 01992 523 523.

info@deltamembranes.com
www.deltamembranes.com



Triton Systems – A holistic and practical approach to ICF structural waterproofing

One of Triton's latest approved installer customers who specialise and build using ICF systems had been considering growing the company skills base and as the company grew, it became clear that it would benefit them to add structural waterproofing as a service since so many of their projects involved basement construction. One of their company directors successfully completed the Property Care Associations CSSW examinations in July 2016, which added Certified Structural Waterproofing Surveying to the company portfolio.

This property is designed specifically for the high-end holiday rental market, and the complex and intriguing design maximises the expansive sea views.

An inverted living accommodation design meant five double en-suite bedrooms formed the basement part of the project, and the high value of the property meant particular attention to the waterproofing design was paramount. The entire building is built on a sand dune which necessitated a reinforced concrete raft design on multiple piles.

The property is built entirely from insulated concrete formwork and is a highly insulated airtight superstructure providing u/values of 0.18 w/m²k.

The full Triton Cavity Drain Membrane Type C system was used as well as Triton TWS-EX100 under the reinforced concrete raft and Triton TT Vapour Membrane with Platon Double Drain on the external walls.

The structural engineers design of a heel at the floor/wall junction meant specific attention to detailing was required externally. The use of our liquid applied Triton TT



Vapour Membrane meant the detailing was achieved easily, but with no compromise on the integrity of the system. Multiple layers of the liquid applied system provided an excellent, completely waterproof result.

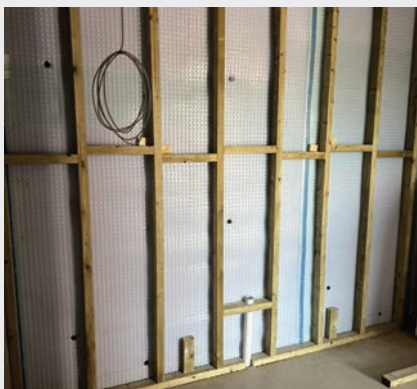
Triton Chemical Manufacturing Company Limited (Triton Systems) is an established structural waterproofing systems supplier (Types A, B and C as defined in BS 8102 2009). Key systems include BBA approved TT Admix, used widely in the construction of watertight concrete structures such as commercial and domestic basements, car parks and swimming pools and a range of BBA approved cavity drain membranes. Triton supply all other types of structural waterproofing and pride themselves of their holistic, solution based approach to waterproofing, not just offering materials

without excellent back up services. Triton also supplies flooring systems, ground gas barriers, flood prevention systems, anti-condensation products and a range of traditional timber preservation and DPC products to a network of approved contractors.

Triton's technical team offers a full specification service, on-site and classroom based training courses and full technical support to its customers. The company is also a RIBA approved CPD provider and a member of NBS Source, the platform from where architects can research and specify products directly into their projects.

Triton is an ISO 9001:2015 Quality Assured Company. Where appropriate, all Triton's products carry the CE mark.

01322 318830 sales@tritonsystems.co.uk



Ashburton Triangle Mixed-Use Development Installs Advanced Fire Protection

A hat-trick of fire protection solutions from UK manufacturer, Advanced, is now installed at a sought-after, mixed-use development just metres from the Emirates Stadium, home to premier league football club, Arsenal.

Three 8-loop, one 4-loop and one 2-loop MxPro 5 fire panels, as well as a LifeLine paging system and a custom-built 16-way peripheral relay panel have all been installed at Ashburton Triangle in Islington, London.

The fault-tolerant network of eight panels is installed alongside approximately 3,500 Nittan devices and integrates with a host of third-party solutions, including the site's intelligent escape signage, sprinkler system, lifts, door access and individual apartment and rooftop dampers.

The MxPro 5 fire system is also integrated with the LifeLine paging system, used by the onsite concierge team for staff alert purposes. For increased safety, Ashburton Triangle's fire system has been set up to communicate with



the Emirates Stadium's fire system, signalling to the stadium when its alarm has been activated, and visa versa.

Responsible for the supply and commissioning of all equipment, on behalf of Newlon Housing Trust, were Coomber Fire and Security Systems who have installed Advanced's fire protection solutions for almost 20 years.

Adam Pitman, senior fire systems engineer at Coomber Fire and Security Systems, said:

"Not only did this project require a solution compatible with specific Nittan devices, it also needed to support high-performing cause and effect programming, false alarm management and to facilitate staged evacuation. We selected Advanced as we knew it could easily deliver on the requirements for Ashburton Triangle, and nothing really comes close to its solutions in terms of flexibility and ease of installation."

Phil Calvey, sales manager for the South West and West Midlands at Advanced, said: "The flexibility of Advanced's solutions provide a range of time and cost benefits to installers, particularly in scenarios where specific equipment is specified, or needs to be integrated with the fire system. Our MxPro 5 panels are designed to make life as easy as possible, delivering robust solutions that offer real peace of mind, all backed-up by our highly-rated technical support."

0345 894 7000 www.advancedco.com



Breathing new life into historic building

The Grade II listed India Buildings in the heart of Liverpool has undergone a major refurbishment, to transform the 100 years old, 12-storey mixed use structure into state-of-the-art office, residential and retail accommodation.

Being redeveloped for owner Legal & General by refurbishment specialist Overbury, the rejuvenation sees the eight floors of Category A office space delivering a BREEAM and WELL-compliant environment, through grilles and diffusers from air movement specialist Gilberts (Blackpool).

The 350,000 ft² of commercial space is served by four-pipe heating and cooling services connected to fan coil units behind bespoke bulkheads. Consulting engineers Crookes Walker Consulting designed the ventilation strategy, installed by Ameen Building Services Engineering.

Crookes Walker specified a combination of Gilberts' JSL and L Series linear bar grilles in the bulkheads, GECA eggcrate grilles and GTD concealed swirl diffusers across the field area of the perforated ceilings to handle both the supply and extract of fresh air throughout



the open plan commercial areas. Gilberts GX air valves ventilate the WCs.

Gilberts' technical team in-house executed Computation Fluid Dynamics (CFD) modelling of Crookes Walker's design to validate optimal incoming air temperatures to achieve comfort conditions, without over-heating: a comfortable average 22°C was preserved.

In the Category A office space – already let to HMRC – Gilberts' L Series of linear bar grilles provide heated air supply, with a typical 57% free ventilation area; blades can be set at a choice of 0°, 15° or 40° deflection. 'Fineline' bars enable blending into the

bulkheads throughout the office space. GECA egg crate grilles handle extract of the used air.

In the office and meeting room ceilings, Gilberts' patented GTD omni-directional concealed swirl diffusers feature a frameless chassis, which means they become an invisible, integral component of the ceiling grid; the radial vanes provide rapid entrainment and intermixing of high volumes of air through up to 50% free ventilation area ceiling tiles to avoid draughts or cold spots for the occupants below.

The ground floor area features Gilberts' JSL jumbo slot linear diffusers. The innovative air supply diffuser provides a shadow-gap appearance with high airflow (between 20-250l/s per metre), with an unbroken visual appearance unique in the marketplace. Runs up to 6m long sit alongside GECA egg crate grilles to provide extract through the suspended ceiling.

Gilberts is one of Britain's leading independent air movement specialists, and is unique in its ability to develop components.

01253 766911 info@gilbertsblackpool.com



Aico launch City & Guilds Assured qualification

Aico have expanded their educational offering with the launch of their City & Guilds Assured qualification on Domestic Fire & Carbon Monoxide (CO) Alarm Systems.

As the European Market Leader in home life safety, Aico place education at the forefront, promoting best practice and delivering a range of free training for their supply chain across the UK. To further support their customers, Aico are proud to introduce their City & Guilds Assured qualification – a global quality benchmark that recognises excellence in training and learning.

The qualification is a continuation of Aico's FIA CPD-accredited Expert Installer training, which provides Installers with the essential knowledge to correctly install Aico Fire and Carbon Monoxide Alarm Systems and Environmental Sensors.

To provide participants with a detailed understanding, this one-day course, AA2426-01, focuses on the design, installation, maintenance, interconnection, siting, and electrical connection of Aico domestic alarm systems. The qualification has a mixture of theory-based and practical sessions and concludes with a multiple-choice assessment, that must be successfully completed to earn the City & Guilds qualification.

Duncan Orr, Regional Specification Manager for NI & IOM and Supply Chain Education Lead comments "At Aico we are passionate about education. It is a cornerstone of our business, with tens of thousands of participants having received our award-winning, FIA



accredited, Expert Installer training. In an ever changing and fast-moving landscape, the City & Guilds assured AA2426-01 course builds on this foundation and takes our educational offering to the next level. It is our privilege to bring this City and Guilds Assured qualification to the market and continue to promote the raising of standards, knowledge, and competence in the life safety industry."

AA2426-01 will officially launch on Friday 6th May, with the first session taking place at Aico's Centre of Excellence in Oswestry and delivered by a member of their expert Technical Team.

To be eligible for the City & Guilds Assured qualification, participants must have completed Aico's Expert Installer training and be a member of the Aico Installer Community – a connected online platform built to support Expert Installers.

To find out more and to sign-up, please visit www.aico.co.uk/our-services/domestic-fire-co-alarm-systems

To find out more about Aico Expert Installer, please visit www.aico.co.uk/our-services/expert-installer-training

01691 664100 www.aico.co.uk



Improving Home Life Safety, Aico Launches AudioLINK+

AudioLINK+ is now faster, quieter, and more reliable than ever before. The second iteration of Aico's award-winning AudioLINK technology makes it easy to access real-time data from alarms via the free AudioLINK+ app.

AudioLINK+ extracts the same data as AudioLINK, but does this quicker and quieter than before to reduce disturbance and does not affect any other functionality of alarms. With the average time to take a report taking between 4-7 seconds, AudioLINK+ technology makes getting real-time data from Smoke and Carbon Monoxide alarms more efficient – saving time, money and lives.

The AudioLINK+ app is backwards compatible, meaning AudioLINK alarms currently installed do not need to be replaced to utilise the new technology and will work with the new version of the app. However, users will need to update to the latest version of the app to download reports from any AudioLINK+ alarms installed within their properties.

The App generates a simple to read colour-coded report giving information on a range of alarm data including: alarm activations, sensor status, alarm testing information, battery and back up cell status, recorded Carbon Monoxide (CO) levels within CO alarms, and advice on dust contamination levels within the 3000 series alarms.



All of this information can be emailed directly from the phone or tablet to one or multiple addresses, being sent as a PDF report for the property or exported as a .csv file for simple integration with housing management and maintenance systems. Additional information can be added to the report to help link it to a specific alarm and to communicate important and helpful information. There is no change in the pricing

of alarms sold by Aico, just an improvement in the technology offered within the alarms. AudioLINK+ data extraction technology is built-in to all Aico's Carbon Monoxide alarms such as the Ei208, and the entire 3000 series alarm range.

01691 664100
www.aico.co.uk/about-us/why-aico/technology/audiolink



Upmarket Oxfordshire development highlights JACKON ICF benefits

A prestigious new development in the West Oxfordshire village of Kingham has used JACKON's THERMOMUR® 350 Super block to provide the most energy efficient building system currently available.

This product enables a U-value of 0.15 straight out of the box. This means it fully complies with the changes to Part L building regs coming into effect in June this year. These will stipulate a maximum of 0.16 U-value on external walls, as part of a requirement that new homes emit 31% less CO₂ than is required by the current Part L.

Kingham Barns comprise five buildings, one of which is a gym. The developer is the HENGE Group and the contractor is Agilitee. Two of the houses and the gym are new builds and have been constructed using the JACKON products. The other two houses are refurbishments of existing Cotswold stone structures.

Chaminda Narayan, the Managing Director of Agilitee has now used THERMOMUR® on



a number of projects and is very enthusiastic about its benefits. "There simply is no other block that compares to THERMOMUR® on strength, U-values or price. This is now

our preferred building system. It meets the toughest new regulations on insulation, it is straightforward to use, with minimal wastage and it can be clad using almost unlimited different methods, which is important in a heritage type of project such as this."

The completed multi-residential development looks absolutely stunning and is a credit to all involved, especially the team from Agilitee Ltd. "This has been a very satisfying project," says Glenn Kiely, Business Development Manager at JACKON. "It shows that THERMOMUR® blocks can be used to create highly aesthetic new housing developments, which also fully comply with – in fact comfortably exceed – the new Future Homes Standard regs that are coming in this year. JACKON is ahead of the game!"

01204 221089

www.jackon.co.uk



Knauf launches market first project design tool including a BIM Plug-In and web based system finder

Knauf UK & Ireland has launched its Planner Suite specification tool platform enabling customers to find, import and specify Knauf products and systems quickly and easily.

A market first, the new project design tool is available as a BIM Plug-In for Revit and ArchiCAD and a browser-based version (system finder), reducing time spent manually searching for products and cross-checking data.

Knauf Planner Suite contains the most up to date and market leading performance data. Its guided search function provides specifiers with an overview of products and systems that match their specific project requirements, such as fire protection or sound insulation.

The tool also considers factors such as regional availability to ensure only products relevant for the project location are



recommended, which is particularly useful for international project planning.

Planner Suite ensures data accuracy over the full BIM model lifetime with its data validation function which checks and updates the data for all Knauf systems.

Dan Roehner, Head of Technical at Knauf UK says: "We are delighted to be able to support our customers at all stages of their planning journey with this suite of tools. Planner Suite will make project planning simpler and more efficient and because Knauf has the most up to date system performance data in the market it will minimise errors at planning stage too. Specifiers can also access product information such as data sheets, EPDs and stockists easily through Planner Suite – and even generate a 'shopping list' to provide directly to their supplier."

Planner Suite is available now for the specification of Knauf solutions from standard components to high performance systems.

01795 424499

www.knauf.co.uk/planner-suite



When is a fire door not a fire door?

Well, the simple answer is 'when the door closer isn't working'. If a door closer has been damaged by vandalism or tampering, the fire door will not perform the function for which it is designed and specified, namely keeping the door closed.

Unlike surface-mounted door closers, Powermatic is completely concealed when the door is closed. Not only does this enable the specifier to retain the aesthetics of a door and interior, but it also reduces the opportunity for the door closer to be vandalised, tampered with or removed, ensuring that the fire door continues to perform reliably.

Together with maintenance-free service and closing speed and latching action which can be adjusted without removal from the door, this can result in a reduced maintenance burden for building owners and managers.

Powermatic also boasts a plethora of performance accreditations, including UKCA marking, fire testing on half- and one-hour fire doors, opening forces that comply with BS8300 and the ability to enable doors to meet the requirements of Approved Document M. It is also the only Certifire jamb-mounted door closer.

0121 766 4200
info@samuel-heath.com



Vulnerable to
vandalism



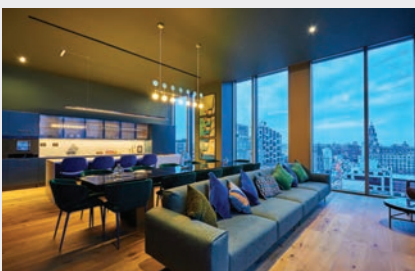
Concealed from
vandalism



Titon's MVHR provides a breath of fresh air for Lexington residential apartments

Titon's powerful but compact HRV1.6 Q Plus MVHR unit has recently been installed in Moda Living's Lexington Tower.

Situated on the Liverpool waterfront, the new residential tower has over 325 apartments ranging from studios to one, two and three bedrooms with penthouse accommodation on the upper levels. With premium features such as garden spaces, fitness studio and amenity areas.



Briggs and Forester delivered the building services equipment over a 22 month period, which consisted of design, supply, installation, commissioning and included installing over 300 of Titon's HRV1.6 Q Plus.

The Lexington Tower is part of a 5.5 billion regeneration plan by Liverpool Waters Regeneration Plan.

Commenting on the partnership with Titon and Briggs and Forester, Andy Cowell, Area Sales Manager stated "The Lexington Tower is a prestigious building that is part of a massive investment in the area. It was a pleasure working with Briggs and Forester, Titon were able to meet the design criteria and offer full technical support".

The ultra-compact HRV 1.6 Q Plus is a high-performance MVHR unit measuring just 600mm wide, enabling it to fit into tight spaces for easy installation and access. It has extremely low specific fan power (SFP) of 0.49 W/l/s and a heat exchanger offering efficiencies up to 89%, which enhances SAP



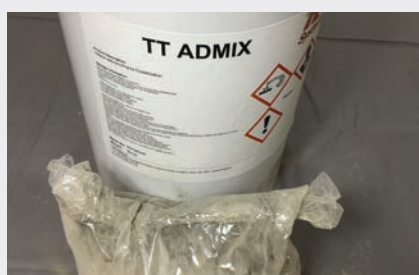
performance via Appendix Q. Furthermore, despite its compact size, the lightweight HRV 1.6 Q Plus can achieve excellent flow rates of up to 100 l/s (359 m³/h) as independently tested by the BRE.

0800 970 4190 www.titon.com/uk



Triton Systems can advise on all aspects of the relevant suitability of waterproof concrete

Within the British Standard BS 8102 (2022) Protection of below ground structures against water ingress it can be quite confusing as there are many acceptable options on what can be specified to provide a waterproofing solution when designing a new build project involving a below ground element. Usually a basement, the focus is often on the type of membrane system to be used, leading on to the type of membrane (whether liquid applied or a sheet membrane type etc) however what is often



overlooked is the fact that the structure itself can be used to create a standard watertight concrete structure without the need for other membrane products. A bold statement maybe, but it can certainly be achieved using a superior quality concrete from a superior quality ready mix concrete supplier, a few small adjustments to the standard concrete mix design and with the addition of an active waterproof concrete admixture added at the concrete plant such as Triton TT Admix.

If concrete is modified and with the addition of an active crystalline waterproof admixture and it can be placed, compacted, and cured properly it will create a very solid and robust initial line of water defense that is permanently and actively protected by life long self-healing and this is acceptable under the latest British Standard BS812 (2022). Waterproof concrete alone however may not be sufficient to create a finished habitable space however, for environments listed as Grade 1a, 1b or Grade 2 within BS8102



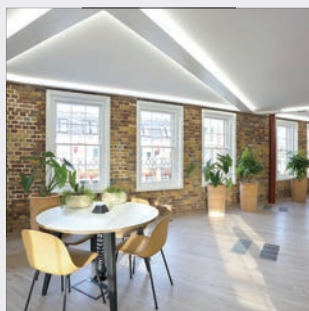
(2022) usually designed for utility areas or perhaps car parking space, it can provide a simple, quick to install (you just pour the concrete as normal) and cost-effective option.

Triton Systems can advise on all aspects of the relevant suitability of waterproof concrete compliant with BS8102 within a project (on its own or in conjunction with other membrane options) so just get in touch with them at sales@tritonsystems.co.uk, call for a chat or explore the website.

01322 318830 www.tritonsystems.co.uk



Flexible Space at your service



Leading under-floor air conditioning specialist AET Flexible Space is focussing on an initiative that optimises a safe, compliant working environment in commercial buildings. Addressing changes to best practice guidance (Building Regulations Approved Document F) under which manufacturers should provide maintenance instructions, AET Flexible Space has taken the recommendations further. It offers a comprehensive tailored service & maintenance package for its innovative underfloor air conditioning (UfAC) system. AET Flexible Space believes it offers one of the most comprehensive and flexible service and maintenance packages available. It offers quarterly maintenance visits to check and clean key components, with filters changed every six months. Once the contract is agreed, clients can relax and leave AET Flexible Space to undertake all contractual obligations re maintenance of the system. Jo Hill, Flexible Space Operations Manager said: "AET Flexible Space goes 'above and beyond'. We provide extended warranties not only on our products but also on the other HVAC products/parts. With approximately 30 years' experience, we know how best to keep the system operating at its optimum, hence why we advise quarterly checks."

01342 310400 www.flexiblespace.com



Introducing the Go Eco Excel Stoves Range



Introducing The Go Eco Excel range from Charlton & Jenrick, featuring two different door styles; modern and traditional. The Excel Stove is the perfect complement for any home modern or traditional. Minimalist in design but bold in statement. These stoves can be fitted in an inglenook, a large fireplace or freestanding. These stoves are amongst the

very best value for money appliances that carry over our own high-end technical features at an affordable price point. Designed and engineered to be extremely efficient and environmentally friendly. From £899.

01952 200 444 www.charltonandjenrick.co.uk



F. Ball supports Coventry centre renovation



Products donated by F. Ball and Co. Ltd., including the company's Stopgap 1200 Pro levelling compound, have been used to prepare subfloors as part of the renovation of the Coventry Caribbean Community Centre prior to its reopening to coincide with Coventry's UK

City of Culture status last year. Installers opted to use F. Ball's Stopgap 1200 Pro to smooth subfloors. The levelling compound can be applied directly over minimal, well-bonded old adhesive residues. F. Ball's Stopgap F77 one-part waterproof surface membrane was then applied to prevent excess subfloor moisture attacking floorcoverings and adhesives.

01583 361 633 www.f-ball.co.uk



AET at Bridge House, Southwark



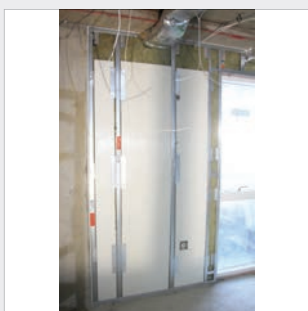
An extensive refurbishment of Grade II listed building Bridge House will create light, and airy contemporary CAT-A office space which will incorporate AET's innovative and highly adaptive underfloor air conditioning (UfAC) system across all five floors. AET's CAM-V (floor supply, high level return) system was selected by consulting engineers and long standing supporters Milieu Consult as the most appropriate air conditioning solution, as it offered the highest level of flexibility and adaptability as well as enabling the generous floor to ceiling heights to be maximised at the same time. An underfloor air conditioning system efficiently and effectively makes use of the void beneath a raised access floor to create the air ventilation path, eliminating the need for unsightly ceiling-based services. A total of 13 CAM-V33 Conditioned Air Modules (CAM's) were installed across five floors which are served by high-efficiency, roof mounted heat pump units. Conditioned air is delivered into the space by AET's market leading fan assisted Fantile™ units which fit seamlessly within the raised floor void. A mixture of AET's standard TU4 and slim line TU350 Fantile™ units were installed throughout the building with the latter on the Ground and Fourth floors.

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Landmark Lewisham project using A1 Magply for fireproof pattress inserts



A new high-rise residential project in the London Borough of Lewisham is being built to provide high quality social housing, with the design of the structure prioritising the use of non-combustible materials: including the choice of A1 rated Magply boards for pattresses within the external walls. The development is being built by C Field Construction and IPE Developments to create a total of 56 one, two and three bedroom apartments, including three specially equipped units on the lower levels of one block for those with mobility issues. Within all of the high specification homes, pattress blocks cut from 18 mm sheets of Magply boards, manufactured by IPP Ltd, are being fitted to the reinforced concrete structure's infill of heavy gauge steel studs by sub-contractor, SCL Interiors. The pattresses are being positioned to support kitchen cupboards and bathroom units as well as radiators throughout the eight and 10 storey buildings. While this use of the well proven and widely specified Magply MOS boards has already been demonstrated on other multi-storey HMO projects across the South-east and elsewhere, the main contractor and client's representatives rightly insisted on witnessing a demonstration of the product's suitability for the application.

01621 776252 www.magply.co.uk



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Multiboard meets BS 5385 guidance on tiling substrates



Thanks to the continuing efforts of The Tiling Association (TTA), standards of training and workmanship across the industry have improved dramatically, while many specialist contractors and other building trades have made the switch to using high performance tilebacker boards, such as Marmox Multiboard, since BS 5385 Part 1 directed plywood was not a suitable substrate. The deterioration in quality of plywood – especially the cheaper imported types – has resulted in the commoditised wood product no longer being regarded as a “stable and rigid background” for tiling operations. In fact it is likely to delaminate and even rot if its moisture content changes. Multiboard, by contrast, is fully waterproof as well as offering a high thermal insulation value, with the polymer modified concrete covering to the XPS core offering an ideal surface for plastering or direct tiling. Available in a range of thicknesses, Multiboards are both light to handle and easy to cut, while still being able to sustain substantial loadings if required, including as part of a floor build-up or supporting up to 100 kg/m² across a wall. They can be fixed using the special plugs available while, Marmox 360 adhesive will seal the joints in situations like wetrooms and pool areas.

01634 835290 www.marmox.co.uk



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Welsh housebuilder opts for OMNIE one-stop shop solution



An award-winning housebuilder who develops small sites and sells serviced plots to self-builders is close to completing a development of two dozen high specification homes near the Welsh Coast, having chosen renewables specialist, OMNIE to supply a complete underfloor heating package, including LG air source heat pumps. The two dozen three and four bedroom homes at Pludds Meadow, located in the town of Laugharne, 12 miles south of Carmarthen, have been built by Salem Construction, part of Sancler Property. OMNIE provided full drawings and specifications for each plot, indicating the layout of their Staple and TorFloor UFH arrays across the ground and first floor to each dwelling. As a fully proven and very versatile, panel based underfloor heating system, OMNIE's TorFloor presents building services consultants and contractors with an unrivalled combination of performance benefits. Crucially the TorFloor panels combine the ability to span upper storey joists or battens fitted across a ground level slab, to provide high efficiency underfloor heating and a structural deck in one product. Thus saving both time and money on installation, while avoiding the need for separate particleboard or other flooring.

01392 363605 www.omnie.co.uk



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Royal Academy of Dance opens their new HQ with Harlequin flooring in all dance studios and the performance theatre

The Royal Academy of Dance (RAD) opened their new international home for dance earlier this year which is now their headquarters in Battersea, London.

The new facility occupies the ground floor podium of the Coda Residential development and covers over 4500 m² of space. Harlequin worked closely with the RAD as well as the main contractors Synergy Property Group and architects including Atomik Architecture and Takero Shimazaki Architects.

Harlequin installed over 1200 m² of flooring which included seven large dance studios with Harlequin Activity sprung floor and Harlequin Cascade vinyl performance floor with BioCote antimicrobial protection. Each studio also has bespoke Harlequin ballet barres and mirrors.

As well as the seven dance studios, the RAD's new home for dance has a 193-seat performance space, The Aud Jebson Studio Theatre, which is equipped with a Harlequin Activity sprung floor and a black Harlequin Cascade with BioCote vinyl performance surface to showcase the RAD's dancing talent.

The RAD's Artistic Director, Gerard Charles, said: "It was really easy to decide to use Harlequin Floors because I've worked with them for decades and they've always done an amazing job for us. Besides all the technical details that make a great Harlequin floor, the most important aspect is that it is safe for our students.

The floor is a dancer's main tool other than our bodies so we wanted to know that the floor would be reliable. The students can come into the studio and just focus on their dancing without thinking about



whether they might slide or if they will suffer with an injury. They are here to create dance and enjoy! Harlequin allows them to do that safely."

Each studio has bespoke ballet barres and mirrors. The RAD required bespoke colours so the ballet barres matched other RAD furnishings. Harlequin water cut the mirrors to fit the wall mounted ballet barres directly to the walls to create a seamless and neat finish.

The new building has a shop where students can test out their new dance shoes on the same floor as to what they will be dancing on in the studios.

As part of the opening, Camilla, HRH The Duchess of Cornwall, toured the building and was introduced to RAD students as well as a Silver Swans ballet class for learners ages



over 55. They were also joined remotely by a class in Perth, Australia.

The new HQ will enable the RAD to bring the transformational power of dance to more people, regardless of age, ability, or location.

Harlequin's Technical Development Manager, Jamie Stirling, said: "The process of installing the floors went very smoothly once we got on site. It was really all about collaboration and communication with the RAD, the main contractors and the architects.

We've got a great relationship with the RAD so it was easy to make sure that we had everything in place. This is a real flagship project for us and is something Harlequin is incredibly proud to be part of."

Harlequin has worked with the RAD in the UK and Australia for over 30 years, with the new HQ being the biggest project so far. The next project for Harlequin is in Darlington, Sydney where the RAD building will have Harlequin flooring – Harlequin Liberty and Harlequin Cascade.

01892 514 888
www.harlequinfloors.com



Photography: David Tett

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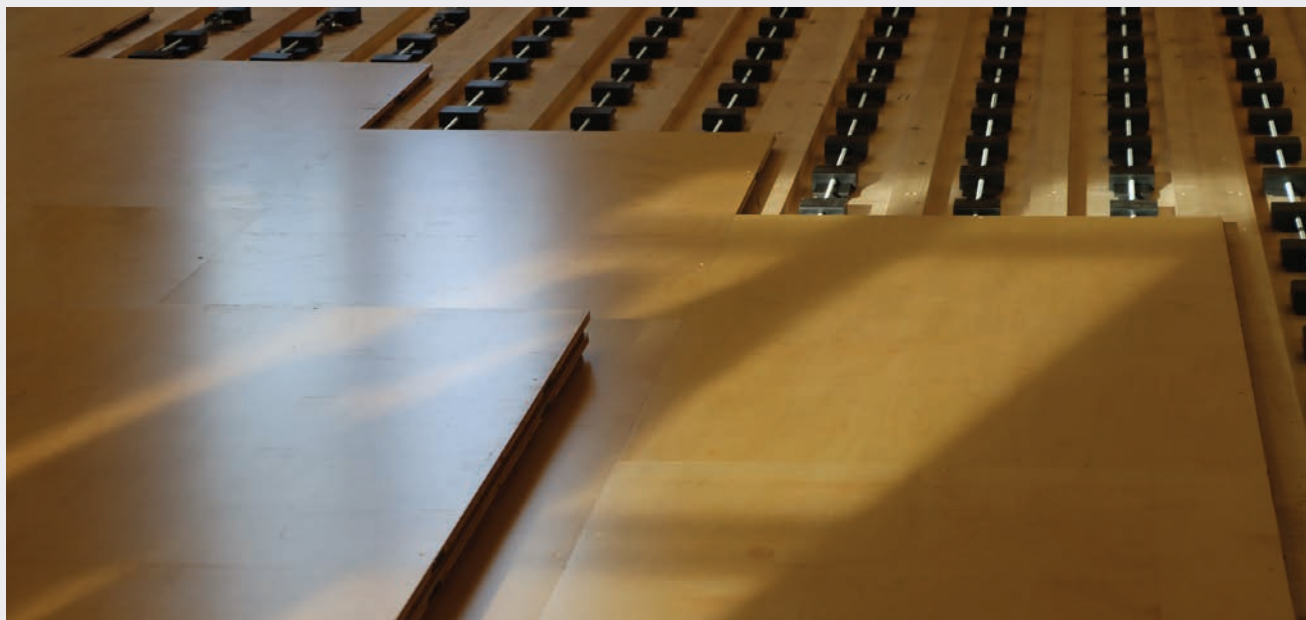
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Harlequin Floors launches Harlequin Liberty Switch



Harlequin Floors, the global leader in advanced technology flooring for dance and the performing arts has launched a pioneering new floor system. Harlequin Liberty Switch™ is a professional multi-use floor that can be switched from a rigid theatrical floor to a sprung dance floor at the touch of a button.

This innovative and versatile floor has been designed for venues who regularly put on both dance and theatrical performances and so require both a sprung and a rigid floor in the same performance or rehearsal space.

Earlier this year Harlequin installers from the UK, Luxembourg and Berlin teamed up to install Liberty Switch at the Opera House in Vienna, one of the leading opera houses in the world. The Vienna State Opera and Vienna State Ballet needed a rehearsal space that they could both access day to day.

Martin Schlöpfer, Ballet Director and Chief Choreographer of the Vienna State Ballet, said: “We are extremely excited to be the first venue to have Harlequin Liberty Switch! It is easy to use and it is great being able to switch between a sprung and rigid floor so quickly.”

Harlequin Liberty Switch™ is a modular multi-use floor system comprised of a base unit with the drive and control mechanism topped with a Harlequin Liberty sprung floor. The base units house a series of moving carriages connected by rods running on high-strength carrier rails powered by electric actuators located at the ends of each row. Each actuator and associated controller are linked to a master control unit located off-stage. The upper surfaces of the base units are fitted with wooden battens which align with the sprung elastomer pads of the Harlequin Liberty panel above. The upper

panels are standard Harlequin Liberty with the addition of UHMWPE (ultra-high molecular weight polyethylene) low-friction blocks on the underside.

This new approach has many benefits over the old approach of swapping floors between shows. It transforms between a sprung floor to a rigid floor in minutes, is more cost effective than an equivalent ballet wagon, there are no labour costs in laying and removing a temporary floor and no storage costs.

Harlequin Liberty Switch™ is a modular system that can be modified to meet any structural design requirements and can be custom designed to incorporate features such as traps, lifts and revolves as required. Areas of the floor can be quickly isolated to create rigid zones for the placement of pianos, scenery or retractable seating while the rest of the floor is used as a sprung dance floor.

Operation of the Harlequin Liberty Switch floor system is via a hard-wired master control unit. This can be integrated with most existing stage control or building management systems. A wireless control system with remote monitoring can be specified if required.

To discuss Liberty Switch or other performance floor requirements, please contact our technical team.

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SPORTING 2 SECURITHERM shower panel delivers stylish, safe & sustainable showering

DELABIE's has launched a touch-free thermostatic version of its flagship SPORTING 2 shower panel, bringing the comfort of home to public washrooms. The new SPORTING 2 SECURITHERM ingeniously combines the hygiene benefits of touch-free, electronic control with anti-scalding thermostatic technology in a stylish, yet compact silhouette.

Inside the shower head a thermostatic cell blends the water at the point-of-use to a safe temperature, simultaneously ensuring user comfort and removing any scalding risk. A failsafe shuts off the hot water if the cold supply fails (and vice versa), further reducing the scalding risk. The same shower head also houses a solenoid valve which opens and closes the water flow automatically when a hand passes in front of the sensor.

Designed specifically for public places, SPORTING 2 SECURITHERM helps combat Legionella. The hot and cold water supplies connect directly to the mixing valve, removing potential dead legs where water can stagnate - ideal conditions for Legionella bacteria to develop. If unused for long periods, a duty flush occurs, ensuring the water circulates within the system, also minimising stagnation.

SPORTING 2 SECURITHERM promotes fractional showering: water only flows when



© Delabie

required, avoiding waste due to user neglect. A pre-set 6 litres/minute flow rate guarantees water efficiency without compromising comfort, while an anti-blocking system prevents voluntary waste. Powered by

batteries, the solenoid valve uses active-pulse infrared technology, ensuring low energy and water consumption, delivering up to 80% water savings compared to domestic showers.

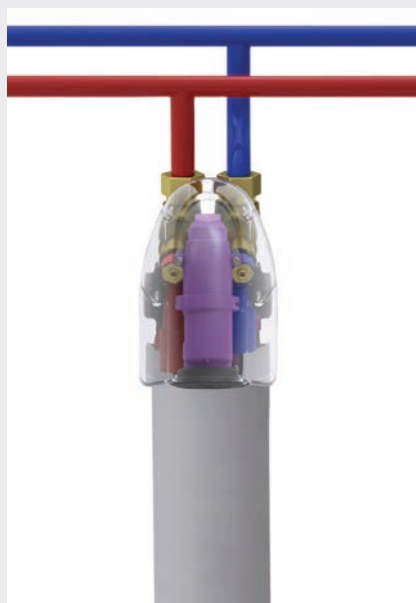
The panel is easy to install with no electrical connection required thanks to integrated batteries. With the flow rate and detection distance pre-set, no additional adjustments are required on installation. Accessible filters, integrated non-return valves and standardised components ensure maintenance is kept to a minimum. The SPORTING 2 SECURITHERM integrates recycled materials and standard parts that require minimal resource to install and maintain. And, at the end of its considerable lifespan, the materials are fully recyclable. It therefore has a very low environmental impact.

Intended for non-domestic use, its sleek profile is discreet, blending naturally into any architectural style. Thanks to low water and energy consumption, building owners also benefit from lower utility bills, perfect for gyms, leisure centres, education buildings and offices that offer employee changing facilities.

www.delabie.co.uk



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Polyflor expands luxury vinyl sheet portfolio with launch of new Architex collection



Polyflor, a leading UK manufacturer of commercial and residential vinyl flooring, is delighted to announce the launch of their new Architex collection. The Architex collection is a UK manufactured premium textile backed Luxury Vinyl Sheet floor covering containing 18 stunning wood, cement, and abstract designs, ideal for residential settings in private & public housing.

Polyflor has become a leading provider of residential vinyl sheet flooring delivering high quality designs that are available in multi-widths with reliable stock availability. Designed to sit perfectly alongside existing Luxury Vinyl Sheet collections, Designatex and Secura, the Architex collection has been developed to include a unique hybrid backing that combines the comfort of Secura with the



textile backing of Designatex. The primary aim of the range is to offer the highest standard of vinyl sheet flooring as an alternative to other felt-backed ranges.

Architex includes features such as R10 slip resistance, 19dB sound impact reduction and a

Polyurethane Reinforcement for eased cleaning and maintenance. Architex can also be loose laid in most residential interiors up to 20m², making it quick to install as no adhesives are required and the addition of the textile backing mean the floor can be installed over damp subfloors where a Relative Humidity (Rh) of 90% is not exceeded.

Tom Rollo, Marketing Director commented, "Ideal for both public & private housing projects, our new Architex collection offers an impressive collection of beautiful trend lead designs as well as an outstanding set of performance benefits designed to enhance residential spaces."

"With the launch of Architex we also took the opportunity to refresh the look and feel of our UK manufactured Luxury Vinyl Sheet offering and align the collections with an extensive sampling package, including a brand new retail display presence."

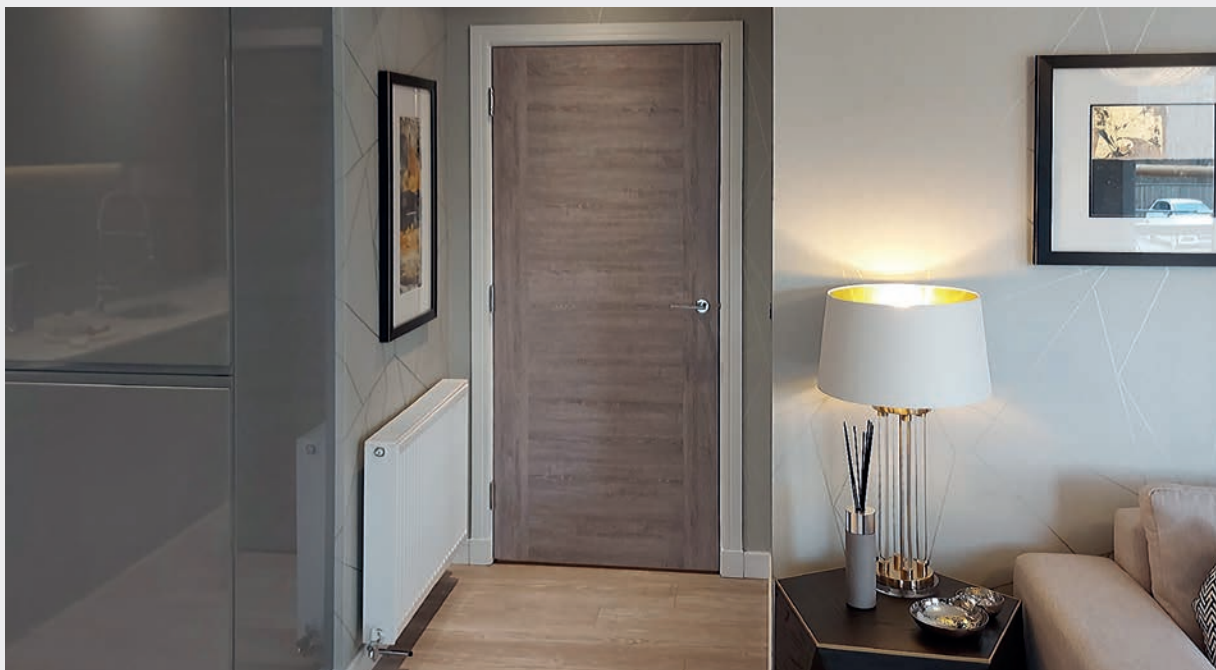
The new Architex collection is beautifully presented within a sampling package which includes a brand new Luxury Vinyl Sheet brochure and retail display unit which combine all three of the Luxury Vinyl Sheet collections, Secura, Designatex and Architex, in addition to Architex specific shade cards and presenters. Sampling can be ordered free of charge on the Polyflor website or by calling the Polyflor Samples Direct Hotline on 0161 767 2551.

info@polyflor.com www.polyflor.com



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Affordable City living by Bellway, with Vicaima door design flair



Vicaima are pleased to have been chosen to supply the latest on-trend interior doors, to specialist residential developer, Bellway Homes; for an affordable luxury urban apartment project in the heart of Glasgow. Working in conjunction with partners Rowan Manufacturing, Vicaima's Visual Sensations Cross Directional Woodgrain (CDW) doors, in Alpine Grey finish were selected for use throughout these 1,2 and 3 bedrooomed homes.

Situated in the west end of Glasgow, the Dorchester 183 development, comprises three blocks and over 100 apartments. It sits at the hub of modern city living, where active social amenities blend seamlessly with working, learning and cultural attractions. Designed to a very high standard, Bellway Homes have fashioned the interiors to maximise light and space and have chosen fixtures reflecting contemporary living for the twenty first century. All rooms throughout the apartments

have been fitted with Vicaima performance FD30 Fire Doors, in addition to which entrance doors also meet the highest security with Vicaima Secured by Design accredited specification, giving residents complete peace of mind. In terms of design appeal, doors were chosen from the popular Dekordor SD Visual Sensations range, with the on-trend CDW Alpine grey door. Combining multiple grain direction to striking effect.

Visual Sensations is just one of the many door design collections offered by Vicaima. All products are available in a range of aesthetic and performance specifications, with certified fire doors, security and acoustic solutions to meet the most demanding project requirements. And as befits an environmentally conscious developer like Bellway, all doors are FSC certified.

marketing@vicaima.com
www.vicaima.com



VitrA launches Root bathroom furniture

Three distinct styles (Flat, Groove and Classic), seventeen choices of colour, and three vanity basins make Root, a new highly versatile bathroom range from VitrA, a winning choice for all bathrooms.

The new Root collection offers a wide range of product sizes and styles in mix and match colour and wood unit combinations with complementing handle styles, along with Root brassware and the choice of three washbasins to suit.

Root brassware and furniture combine to create one of the market's most flexible and customisable bathroom collections. The complete range comprises three key furniture designs: flat, groove and classic. Flat – a simple style for those with a minimalist taste; Groove – a contemporary option with a panelled style; and Classic – a modern take on shaker design. The furniture joins the recently launched brassware collections Root Round and Root Square, available in five colours (chrome, brushed nickel, copper, matt black and gold) across the array of basin, bath, and shower mixers.

“We believe that Root will be an enormous success in the UK market. Created to respond to consumer needs specifically, Root enables consumers to customise any bathroom space easily,” says VitrA's marketing manager for the UK and Europe, Margaret Talbot. “The vast colour and size options provide consumers with the choice and flexibility they need.”

A handy A5 brochure is available online and in print to support the Root launch.



VitrA Root Flat, shown in Natural Oak, four drawers 120cm £836.00 with Integra washbasin £451.

Root choices

The Root furniture units are available in seventeen assorted colours with three types of finish – gloss, matt, or wood. Colours include white, anthracite, Sahara beige, pearl grey, dark blue, fjord green, etc. The wood options include walnut and natural oak finishes. Handle options include matt black, chrome and matt white, with two distinct styles to suit the different furniture designs.

Straight-forward design, soft lines and smooth surfaces keep cabinet surfaces dirt-free and easy to clean. The Root furniture units are paired with VitrA's popular Zentrum, Integra and new Integra Classic washbasins to cover every design requirement.

Design it yourself!

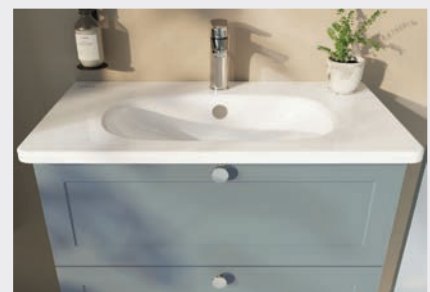
To help consumers and designers in their bathroom design journey, VitrA has developed the Root Configurator. This online tool allows users to experiment with the various styles, colour finishes and sizes to find

the perfect bathroom design. In addition to the washbasin units, the tool also includes the taps and additional storage units available to enable users to design their whole bathroom space. The Root Configurator can be accessed at rootconfigurator.vitra.co.uk/uk

01235 750990 www.vitra.co.uk



VitrA Root Groove, shown in matt Light Grey 60cm £575.00 with Integra washbasin £236.



VitrA Root Classic, shown in matt Fjord Green, 80cm £627.00 with Zentrum washbasin £284. All taps are sold separately.



New Vicaima Wardrobe brochure truly inspires with functionality and aesthetics



Vicaima, a major European player in the design and production of vanguard solutions for interiors doors, doorsets, wall panels and associated joinery solutions, have just launched the latest version of their inspiring wardrobe brochure, together with tutorial assembly videos to show how easy it is to create beautiful storage solutions. In a symbiosis between functionality and aesthetics, Vicaima wardrobes feature refined, innovative, sustainable designs and multiple customization possibilities, presenting a modern portfolio which promises to cater for

the latest market trends in 2022.

The three ranges of the brand, Easy, Advanced and Transform, complement each other and enable Vicaima to provide extensive solutions, suited to the varied demands prescribed by the multiple sectors of activity, namely housing, hospitality and health, amongst others. True to its commitment to sustainability, all these solutions are available with FSC® certification, an entity which promotes responsible forest management.

The Easy Range is noted for its versatility, promoting a practical and functional concept, offering modulation options and specific accessories. Focusing on elegance and optimization of the wardrobe interior, Vicaima provides solutions with opening doors, sliding doors, with the option of a mirror and wardrobe fronts, consisting of doors and frame.

Sophistication and comfort are the vectors guiding the entire Advanced Range. With a wide range of contemporary coatings and finishes, where Naturdor® and Lacdor are the highlights, these suggestions blend in perfect harmony with the interior doors. Sophistication leads the various modulation solutions, enhanced by the elegance of the details and the different options of accessories that are available for the wardrobes and

storage solutions within this range.

Strongly committed to the professionals of this sector, Vicaima also produced two tutorial videos explaining the installation of the Easy Range wardrobes, in a sliding door version, and the Advanced, with opening doors, which will be available, in bilingual format, on the social networks and on the company's website.

In response to the desire for exclusivity and customisation, the Transform Range grants the customer the possibility to explore his creativity and imagination, thereby designing genuinely unique projects. Focused on detail, these solutions are enhanced through innovative combinations of exclusive real wood veneers, sophisticated lacquers and highly customised patterns and textures, which imprint an individual identity to each room.

This latest renewal is an expression of the quality, differentiation and diversity of the wardrobe solutions developed by Vicaima, and also of the company's capacity to follow and set market trends, which are continuously accompanied by its commitment to sustainability and to a circular economy.

01793 532 333
www.vicaima.com



Yeoman Shield wall protection continues roll out at Springwell School

Yeoman Shield protection panels have been an un-mitigating success at Springwell School in Hartlepool. The school caters for children aged 3 to 11 years who have a broad range of specialist needs and the vibrant and busy spaces can suffer from impact damage caused by the everyday activities of the students and staff.

To counteract such damage and to keep the classroom and communal areas looking clean and welcoming the school have previously utilized Yeoman Shield FalmouthEx Wall and Door Protection Panels.

Site Manager, Dean Henson commented: "We already have Yeoman Shield protection panels on walls and doors in areas around the school, including the hall which can be used for many things ranging from a dining hall to activities hall. The panels have been in place for around 5 to 6 years and still look as good as new."

Having proved to be long lasting and durable the school decided to bring Yeoman Shield installers back during the February half term to continue the wall protection panels throughout corridors.

Yeoman Shield 2.0 mm thick FalmouthEx protection panels were supplied on this occasion in attractive mid grey and lilac colours with the addition of a waved top giving a decorative feel to the walls.



Manufactured from a non-porous rigid PVCu the protection panels are not only easy to clean but are inherently hygienic as they do not promote the growth of bacteria or mould.

As recognised by Springwell School the implementation of wall and door protection systems can reduce the amount of time and money spent on the repair and re-decoration

of wall and doors throughout the buildings, extending the lifecycle of the interior decor.

For more information on how to transform and maintain the interior of education facilities with Yeoman Shield Protection Products go to the website.

0113 279 5854 www.yeomanshield.com



Imaginative and integrated interior design, Vicaima makes it real!

Vicaima, as one of the leading European exponents of contemporary joinery solutions, including interiors doors, doorsets, wall panels and associated furniture products, have just introduced a new brand for professionals called Infinity. Combining their extensive experience within this sector with the latest technological advancements in image realisation, they present a major step forward for the world of interior design, enabling creative vision to be made real, with imaginative design composition that encompasses multiple elements.

No longer constrained by conventional limitations, Infinity provides scope for interior design professionals to think beyond what they thought was possible, towards what they would ideally like to achieve. Whether creating a theme that brings rhythm and repetition, or a more dramatic and contrasting vision with pronounced statement pieces, Infinity can make it real.

Infinity permits almost endless possibilities when it comes to visual aspect, with choice of colour, tone, pattern and even the perception of texture. This enables interior designers and specifiers complete flexibility when aiming to deliver bespoke project solutions. However, for those professionals looking for insight from the Vicaima experts in trends and fashions, Infinity's top three collections offer a myriad of fresh inspiration. Select from either wood, stone or metal for an immersive experience which includes among many



others, Spalted Maple, Terrazo Amber and Antique Patina.

Once the design and hues have been chosen, it is then a matter of selecting which joinery elements can be combined to reflect the desired theme. Here Infinity broadens horizons and uniquely permits creators to match and play with individual pieces in

a way that has traditionally been limited. Blending integral building elements such as interior door assemblies and decorative wall panels, with more ephemeral components like wardrobes and furniture to achieve the perfect balance.

While flexible aesthetic design is the hallmark of Infinity, it should not be forgotten that as a Vicaima brand, superior quality and performance are integral to all elements. Exceeding industry recognised standards and in the case of doors and doorkits, third part fire accredited to both TRADA and the British Woodworking Federation, all products are environmentally produced and FSC certificated.

Infinity marks a new era in design for interiors, whether in public, commercial or residential applications. Expanding, evolving and elevating both the creative process and eventual project realisation by combining visionary image technology with industry leading joinery manufacture, to achieve outstanding results.

For more information or to request a brochure visit the website.

01793 532 333
www.vicaima.com/en-gb/infinity



Mixed material look in luxury vinyl tiles for global law firm

Luxury Vinyl Tiles from IVC Commercial have been used to give a mixed material floor at the Glasgow office of Ashurst, a progressive global law firm.

Occupying its Central Exchange, Glasgow, office since 2013, Ashurst asked Wellwood Leslie Architects to develop a scheme that demonstrated change across three floors. Choosing a minimalist design that was influenced by the history of the building, Nick Roemer, Wellwood Leslie, took to a mixed material look across the 2,780 m²



office: “The client had originally wanted carpet as previously used, but as they wanted to ensure a noticeable change and needed easy maintenance, I recommended Luxury Vinyl Tiles for the majority of flooring within the office. Using wood to give warmth and stone to reflect the history of the building, I chose IVC Commercial’s Luxury Vinyl Tiles as they gave me flexibility to create the Scandinavian influenced design scheme I was after, while delivering on installation, cost and quality expectations.”

Wellwood Leslie selected the warm and characterful wood of Blackjack Oak, contrasting it with the sleek modern tile of Ceramic across the open plan space. Aiding navigation and defining areas, thanks to the use of IVC Commercial’s Luxury Vinyl Tiles the mixed material layout has transitions without metal profiles for an elegance that is not obtainable with original materials.

Yet it is not just a more pleasing aesthetic that makes Luxury Vinyl Tiles ideal for



a mixed material scheme like Ashurst. Using a 0.55 mm wear layer for long-term durability and with Protectonite® for scratch-resistance and easier cleaning, Blackjack Oak and Ceramic also require no specialist maintenance, giving a floor finish that’s tough and easy to care for – no matter what the look.

The floor was installed by Devar Premier Flooring using Flex Pro self-adhesive underlay that makes glue-down Luxury Vinyl Tiles like Blackjack Oak and Ceramic faster to install. Specially designed for use with IVC Commercial’s Luxury Vinyl Tiles, the underlay delivers time and cost-saving benefits, while also improving acoustics in use – important for a busy office like Ashurst.

01332 851500 www.ivc-commercial.com



“Luxtailable” bathroom solutions - created with superior steel enamel from Kaldewei

Kaldewei is a brand with a strong ethical and ecological conscience. As a pioneer in the field of sustainability for over 100 years they continue to look for ways to improve and expand on this. In late 2021 they started manufacturing their excellent sanitaryware using Bluemint steel, which now reduces their carbon output by 70 percent. The change in the manufacturing process does not, however, alter the quality of their products in any way, they still produce luxurious, sustainable bathroom solutions but with an even greater focus on the environment. This has coined the term Luxtailable - the perfect example of how the highest standards of sustainability, quality and aesthetics can merge flawlessly into exciting and desirable products.

The most recent product is the Superplan Zero a shower surface from Kaldewei, providing a completely floor-level finish. When creating Superplan Zero, Kaldewei considered requests from their customers,



which led to the creation of a product that is totally flat to the floor, with zero steps, zero edges, and zero compromises. This makes it ideal for bathrooms not only in the hospitality sector but for project developers and homebuilders too. Developed by the award-winning Berlin product designer Werner Aisslinger the Superplan Zero maintains Kaldewei’s green credentials as

with its luxurious steel enamel base it is both durable and 100% recyclable.

Sustainability is a key to Kaldewei, but elegant design and trendsetting style is equally as significant. Colour is an important feature in the bathroom and as such Kaldewei offer a bi-coloured baths variant in three of their freestanding bathtub models: Centro Duo Oval, Conoduo and Ellipso Duo Oval. These produce a dramatic impact within the bathing area and are available in alpine white, alpine white matt, black gloss, and lava black matt – providing an eye-catching combination for today’s modern bathroom.

In fact, Kaldewei have an extensive portfolio of over 600 shower surfaces, bathtubs, and washbasins, with a wide coordinated colour palette, plus excellent performance, and longevity. Which enables Kaldewei to provide perfectly coordinated solutions for projects large or small.

01480 498053 www.kaldewei.co.uk



Mapei features at carbon neutral Braywick Leisure Centre

A full Mapei system forms part of the new Braywick Leisure Centre – a £33 million state-of-the-art facility designed by Plymouth-based BRL Architects. The new iconic Centre in Maidenhead replaces the Magnet Leisure Centre; it combines recreational, leisure and cultural facilities on a larger footprint, whilst using 70% less energy.

Situated under a striking sweeping roof, the centre features a 400 m² internal covered top lit 'street', from which all areas are accessed. Facilities include a 10-lane pool and trainer pool – each with spectator seating – a 200 station gymnasium, artisan cafe, dance studio and 2,000 m² sports hall. Mapei products were used from early design stage to completion, in the installation of floor and wall coverings, for concrete repairs, new construction, tanking, waterproofing and structural reinforcement.

The Mapei specification included Eporip solvent-free epoxy adhesive for construction

joints, bonding of screeds and localised concrete repair. Within pool areas, changing villages and corridors, products used included Mapei Topcem fast drying hydraulic binder, Planitop Fast 330 quick-setting, fibre-reinforced mortar, Mapelastic Smart highly flexible, cementitious waterproof membrane, Mapetex Sel non-woven, macro-holed polypropylene reinforcing fabric, Keraflex Maxi S1 deformable cementitious adhesive and Keraquick S1 quick-setting, deformable cementitious adhesive.

Mapei Ultracolor Plus anti-efflorescence, quick-setting and drying polymer-modified grout – featuring water-repellent DropEffect® and mould-resistant BioBlock® – was used for all tiled areas, along with Mapesil AC pure mould-resistant acetic silicone sealant for all movement joints. Other products specified included Mapemortar HB R3 high build, shrinkage compensated repair mortar.

Within the street area, Keraquick XL Fibrelite fibre reinforced cement based rapid



setting adhesive was used for the installation of tiles, along with Keraflex flexible cementitious adhesive.

For floor installation in the sports hall and sport stores, Mapei systems included Eco Prim T Plus solvent-free low odour all-purpose primer, Mapeproof One Coat single-coat epoxy surface damp proof membrane and Ultraplan Renovation Screed 3240 – a fibre reinforced self-levelling compound. Other products included Mapegrout SV quick-setting and hardening, compensated-shrinkage hi-flow mortar for spectator seating and balustrade bases and Mapefill GP non-shrink grout for spectator seating areas.

info@mapei.co.uk www.mapei.co.uk



SIMONSWERK launches ANSELM range of concealed hinges

SIMONSWERK UK is pleased to announce the ANSELM range of concealed hinge systems for residential doors. The ANSELM range offers high-quality products for lightweight interior residential doors up to 60 kg. The hinge systems are three-dimensionally adjustable and guarantee a long-lasting, maintenance-free operation of the door and are available in 6 aesthetically pleasing finishes.



The ANSELM AN 150 3D and AN 170 3D offer specifiers the opportunity to use narrow frames of just 25 mm depth due to the reduced frame part of the hinge, this offers the potential of concealed hinges in the most delicate of joinery details.

For those manufacturers searching for production economies of scale and easy installation of their products on-site, the ANSELM hinges with a reduced hinge frame fixing are a perfect choice.

AN 107 3D C60- Self-closing hinge

The ANSELM range also includes the AN 107 3C C60 self-closing hinge which allows the closing of a door independently up to 60 kg. The hinge with the integrated closing function is installed in the centre between the upper and lower hinge and has a special rotation system that makes it usable in combination with AN 160 3D.

0121 5222848 www.simonswerk.co.uk



Join Quantum for an afternoon of Building Product Specification, CPD and Beer

Quantum Profile Systems Ltd is hosting a unique FREE event for Architects and Specifiers in partnership with the Manchester Society of Architects on Thursday 14th July 2022, from 3pm until 10.30pm. It will give those in attendance the chance to learn about the very latest building product developments in the construction industry, and enjoy an evening of networking. Free transport will also be available to and from Manchester Northern Quarter.

There will be an afternoon of focused RIBA CPDs, an RIBA accredited Lean factory tour, and an exhibition from leading building product manufacturers. There will also be a free bar and hog roast (plus veggie option) in the evening.

Several leading building product manufacturers will be offering 20-minute-long, focused CPDs which will earn CPD points for our guests. Attendees will be offered an RIBA assessed tour of



QPSL's factory, which will allow them to observe its Lean manufacturing techniques in practice. There will also be an exhibition area where you can speak directly to a range of manufacturers.

In the evening there will be a selection of beers and ciders on draft at a free bar. A range of spirits will also be available, along with red and white wine. Guests will be served a buffet, the centrepiece of which will be a whole hog roast with all the trimmings. There will also be vegan and vegetarian options available.

Entertainment will be provided by live performances from various musical artists, including the band Pressure Drop, a Manchester-based Reggae and Ska street band. For those who would like to take advantage of the refreshments, free transport is available on the day. There will be a bus to pick people up from the Northern Quarter in Manchester at 2.15pm and to drop people back there at 10.30pm.

Book your FREE place today – tinyurl.com/qpsl2022.

tim.hayes@quantum-ps.co.uk
quantum-ps.co.uk



Q-Range Guide launch

Quantum Flooring's Q-Range Stair Nosing collection is at the forefront of safety and compliance for specification. It caters for all sectors and installations, with profiles to suit any project. Quantum is delighted to announce that the brand-new Q-Range Guide is now available.

Q-Range Stair Nosings are designed for all step types and can be fitted with all floorcoverings. These profiles have a patented all-over slip resistant tread. The satin anodised riser inhibits glare, while providing the double benefit of scratch resistance. This ensures that Q-Range doesn't just enhance the appearance of a staircase, it also offers longevity and durability.

All Q-Range Stair Nosings with Flat, Rake Back, and Chevron risers offer Building Regulations best practice solutions. The profiles are manufactured with 100% recyclable materials, using Lean principles to cut out waste. Even the minimal packaging is 100% recyclable. Q-Range is available in 25 colours, offering a wide spectrum of LRVs to contrast



with any floorcovering, or to complement the overall design.

There are different versions of the range which offer even more options. Q-Range

Wide has a greater tread area than any other stair nosing available, negating the problem of dirt traps that traditional double-channel stair nosings can pose. For the ultimate in specification, Q-Range DUO offers a solid colour on both the riser and tread, with each being 55 mm. This helps it to adhere to all best practice guidelines in Building Regulations, BS 8300-2:2018 and the Equality Act.

- ✓ Quality
- ✓ Compliance
- ✓ Safety
- ✓ Design
- ✓ Sustainability
- ✓ Colour

When it comes to superior stair nosings, Q-Range ticks all the boxes. You can download the new Q-Range Stair Nosing Guide from quantumflooring.co.uk. To order a print copy, please contact Quantum Flooring.

0161 627 4222
info@quantumflooring.co.uk



Better school buildings

One of the most important buildings in any country is the school because the future depends on how the next generations are educated. Apart from the standard of teaching, informed local authorities and designers understand how a high-quality indoor climate is equally important. Apart from planning and layout, the school also has to enjoy the best acoustics, air quality and healthy environment.

Troldekt solutions not only help to improve acoustics but also influence air quality, overall design, durability and operating economy and contribute to a school's overall sustainability and visual coherence between rooms.

Today, a quite unexpected problem that has impacted and required several emergency measures, especially in new buildings, is the handling of pandemics. A good example of great design is Denmark's first newly built school of architecture has been conceived as a laboratory for learning and architectural experimentation designed by ADEPT. It features several variants of Troldekt acoustic ceilings.

Turnkey architect and founding partner Martin Krogh says: "We chose Troldekt because of its simplicity and versatility. The solutions are perfect for rooms where peace and quiet are needed for concentrated study or work but also in high-ceilinged and complex soundscapes."

Pernille Svendsen from Arkitema Learning is extremely pleased with the acoustic solution at the Erlev School in Haderslev. "I personally think that the Troldekt ceilings are a wonderful match for the wooden structures and the many interior elements in wood. Troldekt is both an acoustic solution and also suits the overall design catalogue for the school. The panels have a surface that is a bit rough, but in a good way. A school shouldn't look too fine and polished. It should signal that it can withstand use, hanging things up, exhibiting and moving around. There's room for change here."

Founded on the Cradle-to-Cradle design concept, Troldekt's natural and inherently sustainable panels are available in a variety of different surfaces and colours and contribute positively to a building's BREEAM, DGNB



and LEED ratings. In addition to their high sound absorption and tactile surface, they offer high durability and low-cost lifecycle performance. Available in various sizes and in four grades, from extreme fine to coarse, the panels can be left untreated or painted in virtually any RAL colour.

Samples, case studies and technical guidance are available by contacting Troldekt, and more about the theme can be found here: www.troldekt.com/news/themes/healthy-schools-of-the-future

01978 664255 Troldekt.co.uk



Optitherm – you're in the safest hands

The year following its launch to market, the Optitherm thermostatic clinical handwashing tap from Horne won the coveted Building Better Healthcare (BBH) Award (Best Interiors Product). A modular unit, it is a combined thermostatic mixing valve, a warm water tap and dedicated cold water tap. It has been designed specifically to ensure safe surface temperatures, and deliver a smooth column, without splashing, of precisely temperature-controlled warm water for clinical and surgical handwash. Its novel dual-lever arrangement facilitates hands-free operation for enhanced infection control, while its modularity supports easy installation, which can also be phased (spigot then tap body), site commissioning and, later, maintenance.

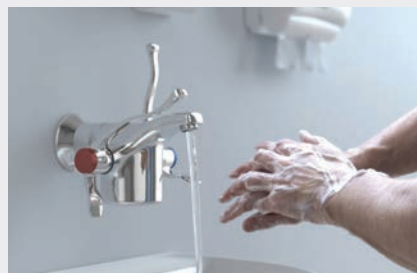
The importance of a clean healthcare environment was a major consideration during the Optitherm's development; a polished, smooth and continuous surface facilitates easy cleaning. There are no recesses where dirt and pathogens might dwell. The outlet flow-conditioner fitting, a critical component for managing retrograde



contamination of the tap fitting, is also designed for easy removal, substitution or ultrasonic cleaning and replacement.

The BBH judges said of the Optitherm: "A truly wonderful product that demonstrated innovation and technical excellence", while the excellent presentation at the product pitching day "demonstrated a clear appreciation of the needs of the healthcare environment."

Today the Optitherm is installed, in its thousands, across the UK public and private healthcare estate, and is favoured among nursing, medical and estates and facilities staff for its comfort, safety and reliability.



A recent change of supplier for the Optitherm's outer chromium-plated body – transferring production to the UK – has also presented an opportunity to review and update the original 2007 design. Now more streamlined, using less brass and associated chromium plating, the redesign further reduces the volume of the tiny mixed-water dead-leg, and incorporates previous improvements to the connection to the outlet flow conditioner.

In the Safest Hands – the new Optitherm from HORNE.

01505 321455 b.link/SafeHands



Design freely with the Origin 55 Luxury Vinyl Tiles collection

O rigin 55 is the new Luxury Vinyl Tiles flooring collection from IVC Commercial, letting you design freely with people in mind through quality, loose lay installation, better acoustics and design flexibility.

With loose lay installation and plank and tile formats that lets you mix and match seamlessly with carpet tiles, IVC Commercial's Origin 55 Luxury Vinyl Tiles collection brings design freedom to flooring for projects. Designed and made in Belgium to be completely recycled, projects benefit from a more sustainable floor as well.

Origin 55's designs explore the fundamental connection to nature, bringing calm and peace to the great indoors. With the lifelike tactility of an ultra matt and emboss in register finish – where texture accurately tracks the pattern – each Origin 55 design is authentic and original. Origin 55 planks and tiles are also cut from an extra-large pattern to avoid obvious repeats and to

further enhance the natural look. The extra-large pattern also allows IVC Commercial to create larger plank and tile formats that are designed to be used alongside its carpet tiles and carpet planks, such as the Rudiments and Imperfection collections.

Seamless compatibility with carpet tiles is only made possible with Origin 55's loose lay format. Installed in the same way and eliminating the need for transition strips, Origin 55 Loose Lay makes multi-material flooring design simple to achieve in offices, hotels and hospitality, housing, retail and more. And for those projects where noise is a concern, Origin 55 Loose Lay Acoustic features a built-in pad that provides up to 19dB of impact sound insulation to make spaces more supportive and productive. Origin 55 Acoustic also features additional patterns for even more freedom in your flooring designs.

Made in Belgium, the Origin 55 Luxury Vinyl Tiles collection is made from materials



that are 100% REACH compliant and European sourced. Thanks to the installation flexibility of loose lay and a 100% recyclable construction, when it's time to refresh the project, IVC Commercial can recover Origin 55 and recycle it in its own facility through the Take Back programme, bringing it right back to where it started.

Origin 55 is part of the new Origin Luxury Vinyl Tiles family from IVC Commercial, including the Origin 70 collection for the ultimate in performance and design freedom in high-traffic areas.

01332 851 500

www.ivc-commercial.com/en-gb



Working towards better workspaces



With many companies not demanding a return to the office but conversely trying to remove people from working at home, co-working spaces have proved to be an excellent solution. A good example is here at LUI House in Herford, Germany. Archwerk Architects have developed this four-storey building into a sustainable co-working hub which is fully self-sufficient using heat pumps and PV cells. Complete with large break-out areas, hot desks and meetings rooms, the building exudes an aesthetic and inspiring ambience with high-quality furnishings and top-class media technology. With large open spaces and hard surfaces, the architects specified ultrafine bespoke **Troldtekt** wood wool acoustic panels in a natural grey. These were then perforated on-site with different sized holes to give an unusual three-dimensional effect. Not only do the high performance panels offer an interesting textural and visual appeal but they absorb the ambient noise created by talking as well as the echoes and reverberation caused by the hard surfaces and large glazed areas. Troldtekt's natural and inherently sustainable panels are available in a variety of different surfaces and colours and contribute positively to a building's BREEAM, DGNB and LEED ratings.

01978 664255 Troldtekt.co.uk



FramePro® W1 chosen for Passivhaus Plus housing project in Cardiff



The FramePro W1 air barrier system from the **A. Proctor Group** has been chosen for a new modular Passivhaus Plus housing project in Cardiff. This innovative project will provide essential housing for Cardiff's homeless population. It is designed by Beattie Passive using its award-winning, patented design and build system, which the company says is the UK's first certified Passivhaus Complete Build System. The FramePro W1 system was chosen as an external air barrier. The system comprises FramePro W1, a low-resistance vapour permeable air barrier for walls, plus Wraptite® Tape. Ron Beattie, Managing Director at Beattie Passive, explains: "FramePro W1 is an excellent barrier system that provides complete protection from "windwashing" and the effects of wind penetration and moisture management in buildings. In addition, the system is easy to use and apply, easy to joint, and won't tear." Another benefit of the FramePro W1 system is that applying it externally simplifies the process, maintaining the building's integrity, as there are fewer building services and structural penetrations to be sealed.

01250 872261 www.proctorgroup.com



Minimising fire risks and maximising performance

A lack of test evidence and performance data creates challenges for specifiers having to achieve precise safety and performance requirements. Steve Thompson Managing Director for light steel frame specialists, EOS Framing – discusses reducing the fire load of residential buildings.

A key advantage of light steel frame is fire performance. The amount of combustible material in a light steel framed building is much lower, therefore the risk of fire during construction and when occupied is vastly reduced. Steel is non-combustible and does not add to the fire load of a building – reducing the ‘fuel for the fire’ and limiting risk of damage and injury.

MAKING THE BUILDING PROCESS INHERENTLY SAFER

EOS as part of Etex are continually looking at ways to make the building process not only inherently safer but also to offer performance assurances to architects, housebuilders and specifiers to ensure they can provide sufficient levels of protection to occupants.

Fire protection for light steel framing is typically provided by the use of non-combustible boards for internal linings and fire protection systems such as those manufactured by our Etex Group partners – Promat and FSi. These passive fire protection specialists develop and manufacture a full range of built-in fire systems to safeguard both infrastructure and assets.

RIGOROUSLY TESTED AND CERTIFIED

Developed together with our Etex Group partners, Siniat, a leading expert in plasterboard and drylining systems, together with Promat and FSi – our loadbearing and non-loadbearing walling and flooring systems combine the technical and manufacturing expertise of the group to provide a comprehensive range of tested and certified solutions for light steel frame construction – all from one supplier.

With 60 – 120-minute fire resistance options, this approach mitigates risk because these integrated systems have been tested and assessed for compliance with the latest regulations and standards, to ensure robust and reliable performance. Design performance is achieved using combinations of boarding and insulation and only tested configurations are available for selection.

ELIMINATING UNCERTAINTY

We are committed to technical competence and as part of Etex, we have some of the best fire experts in the UK on our team. They work closely



Riverside Quarter is the first development in the UK to specify Pre-Assembled Frames (PAF) – designed, engineered and manufactured by EOS.



with certification bodies to jointly develop and design technical solutions.

By eliminating uncertainty through rigorous testing regimes, EOS deliver light steel framing systems with certified and predictable performance. Recently presented with Best External Product trophy at the Housebuilder Product Awards, Thruwall® is an all-in-one non-combustible certified system exploiting the latest products, technical know-how and manufacturing excellence of the combined Etex team. Providing crucial safety, time and cost benefits, the Thruwall® range has multiple loadbearing applications for low and medium rise developments and can be used for external or internal walls together with internal and separating floors.

In addition to the Thruwall® loadbearing range, we have researched and developed Thruwall® – fully engineered custom-designed non-loadbearing infill systems manufactured offsite and supplied as a certified kit of parts that can be used with concrete and steel main frames.

Following the outstanding success of Thruwall® – EOS has taken factory prefabrication and preassembly to another level. Developed and rigorously tested, Pre-Assembled Frames (PAF) are an evolution of Thruwall® which is delivered to site as a unitised non-loadbearing infill system encapsulating light steel framing and external sheathing. Both Thruwall® and PAF systems are suitable for buildings with a height of more than 18 metres.

All components and products in the Thruwall®, Thruwall® and Pre-Assembled Frames system range have been rigorously tested together for fire, acoustic, weathering, airtightness, durability and mechanical performance. Fire resistance periods of 60, 90 and 120 minutes are predictably achievable.

30-YEAR WARRANTY

A fragmented supply chain will result in components being offered by a multitude of manufacturers, therefore warranties are complex, for very limited timescales or simply non-existent. This uncertainty also extends to the costs involved, the speed of build and the quality of the final outcome.



When walling and flooring systems are built with Etex Group components and materials, following a validation process — Etex award a 30-year warranty. Advanced light steel framing systems manufactured offsite in well managed factory environments not only mitigate risk but also enhance the speed and quality of the build process. Robust testing regimes backed by comprehensive warranties offer assurances to developers and no doubt help specifying teams sleep at night safe in the knowledge that they have safeguarded building owners and occupants.

01325 30 30 30
eosenquiries@etexgroup.com



SPECIFY WITH COMPLETE CONFIDENCE

Construction clients can now reduce risk and operate with more certainty and confidence at every stage of the construction journey by adopting the EOS light steel frame systems approach. Our ground-breaking range of loadbearing and non-loadbearing walling and flooring systems have been rigorously tested and certified for fire, acoustic, weathering, airtightness and mechanical performance.

ADVANTAGES OF A SYSTEMS APPROACH

- 30-year Etex warranty
- Euroclass A1 non-combustible
- Fire tested 60 - 120 minutes
- Suitable for buildings over 18 metres
- Delivers crucial programme savings of up to 30%

THE SAFER, FASTER AND MORE COST-EFFICIENT WAY TO BUILD

To discover more about Thruwall®, Thruwall® and Pre-Assembled Frames go to the EOS information centre: www.eosframing.co.uk/information-centre



etex inspiring ways of living



Enhance the durability of your blue or green roof with Bauder Total Green Roof System PLUS

Bauder has launched BauderSMARAGD, a new root resistant cap sheet to be incorporated in Bauder Total Green Roof System PLUS (BTGRS PLUS) flat roof solutions for green roof, blue roof and BioSOLAR projects.

The BTGRS PLUS system increases the range of waterproofing solutions available for all types of green roofs including intensive and extensive systems, blue roofs and BioSOLAR installations for green and PV integrated solutions. The system incorporates BauderSMARAGD root resistant cap sheet, BauderTEC KSA DUO 35 self-adhesive underlayer and can be used with a selection of Bauder insulation types to suit the project needs. BauderSMARAGD is specifically designed to sustain the high performance demands that these roofs can require.

BTGRS PLUS can be utilised in the design of both new build and refurbishment projects in cold, warm, or inverted roof construction. The system is particularly suited to new build



projects, when the deck can be designed to take the additional weight imposed by the chosen finish. Additionally, with modern planning conditions, most local authorities require new buildings to include both a green roof and a significant percentage of site sourced renewables. The BTGRS PLUS system build-ups can achieve sustainable

targets when specified with a green roof, blue roof or BioSOLAR roof.

This waterproofing system has a service life in excess of 35 years, as stated in BBA Certificate 10/4744. When covered by an appropriate landscaping finish, it is also considered to fulfil all of the requirements for the performance characteristic 'external fire performance' without the need for testing under European Commission Directive 2000/553/EC for listed build-ups achieving compliance to B4 section 12. This robust bitumen membrane system is accompanied by a comprehensive guarantee package, covering all the Bauder elements on the finished roof.

Bauder is a leading manufacturer of flat roof materials including waterproofing membranes, insulations, solar PV and green and blue roofs.

01473 257671
bauder.co.uk



Casements and Cocktails – the party house hosting George Barnsdale windows and doors



The Gables is a stunning new self build house set amongst the rolling countryside of Ware, Hertfordshire surrounded by beautifully landscaped gardens complete with a one hundred year old olive tree which comes in handy for the martinis the owners Jos and Jane mix in their own unique cocktail bar.

No expense has been spared for this "forever home" and when it came to the windows and doors, the couple knew they wanted timber, high performance, bespoke windows and doors that would last a lifetime



and look amazing alongside their handmade bricks and roof tiles. Following a visit to George Barnsdale's Lincolnshire factory to see first hand how the windows would be made, the couple were so impressed, they placed an order for 21 casement windows, eight sets of French doors, three entrance doors and a sliding door for the master bedroom to allow access to their balcony. All are dual colour white inside and colour on the outside. Three of the windows in the kitchen have striking angles whilst across the hall, the elegant French doors in the cocktail bar are



ideal for opening out onto one of the garden terraces on a warm summer's evening whilst sipping cocktails.

All products are Secured by Design, made from FSC certified timber and kind to the environment. The unique four stage paint technique means George Barnsdale windows and doors won't require repainting for at least ten years, but usually considerably longer than that.

01775 823000
www.georgebarnsdale.co.uk



Crittall windows – I'll drink to that!

A Cornish brewery has moved into renovated premises that give visitors a whole new experience of watching the creation of their favourite beers with Crittall Windows playing a crucial role in the new concept.

Verdant Brewery took over a rundown warehouse on a Penryn industrial estate and, in addition to installing the brewing vats, created 400 m² for staff offices and a space for public use, dubbed the Taproom.



The new interior was created around a steel-framed installation with Crittall Corporate W20 windows providing a light and contemporary area where visitors can have a beer and something to eat while enjoying views through to the working brewery, a paramount consideration of the client.

In addition, The Taproom provides a mezzanine balcony overlooking an area that can also be used for entertainment from a DJ

or with live music. The design was produced by locally-based architects Zelaz Studio.

Architect, James Collins said: "We used the W20 system as it allowed great flexibility and a quality industrial look that the client wanted. Large expanses of the glazing allowed us to create views of the brewery from all spaces."

01376 530800

www.crittall-windows.co.uk



Bringing light to Fairmont Windsor Park Hotel

Situated in the English countryside of Windsor Great Park, within a short commute from central London, the Fairmont Windsor Park Hotel is described as a luxury retreat from the city with a focus on health and authentic wellness.

LAMILUX designed, supplied, and installed an impressive faceted domed rooflight with an internal span of 8.5 meters to display a remarkable example of how the LAMILUX Glass Roof PR60 can achieve almost any bespoke shaped glass roof solution. The bespoke rooflight compliments the modern elegance of the indulgent retreat, whilst flooding the hotel foyer with an abundance of natural daylight.



Working with the architect from the early planning stage of the project, LAMILUX presented a design providing a glazed solution, which closely resembles the design intent and the style of architectural heritage that the hotel was to represent. The factory prefabricated rooflight assembly, which included everything above the perimeter concrete opening, is a self-spanning structure requiring no additional sub-structure above the pre-weathered kerbs.

The LAMILUX installation team framed out the 2.2 tonnes of steelwork within a dedicated exclusion zone at ground level on site before using a tele-handler to crane the structure into position at roof level and fixing it to the faceted perimeter upstand. A key consideration of the installation was to check the diagonal dimensions were equal for squareness. Careful diligence was therefore necessary with the assembly of the aluminium frame mullion and transoms.

The spectacular domed rooflight was then glazed with an impressive total of 64 glass panels, each a bespoke size and shape, to make up the unusual shape and complete the



installation. The glass panels, specified with high performing solar glazing, measure up to 1,341 x 1,744 mm and weigh up to 86 kg. The LAMILUX operatives, equipped with full body harnesses, were secured back to a man-anchor with inertia block and used a vacuum lifter to complete the installation.

01284 749051 www.lamiluxskylights.co.uk



Norcros Rock-Tite is a hit with landscapers!

Norcros Rock-Tite Exterior Porcelain & Stone System was developed specifically to appeal to landscape designers, tilers and DIYers who want an easy-to-use system for installing the increasingly popular 20mm porcelain tiles externally for patios and terraces. One of the latest recommendations from a landscaper indicates that the product is certainly making life easier for workers in that profession.

Landscaper, Brett Corcoran of TC Fencing & Landscaping, has recently used the product on a patio job in Staffordshire and was full of praise once the project was completed: "After using the Rock-Tite range of products throughout a recent project completed I can strongly recommend it," he said. "I can recommend the Rock-Tite products to not only the building trade but DIY customers too due to their



simplicity to use."

This project was an ideal candidate for Norcros Rock-Tite. The home owner wanted to extend their living space into the garden with the installation of porcelain tiles to form a new outdoor leisure area, making the transition from internal to external space as seamless as possible.

The end-result is highly attractive and definitely a very worthwhile

improvement to the property. The tiles on this project are Johnson Tiles, 20mm porcelain, 600 x 600, from their Boundary collection in colour Dune. Laying the tiles was made much easier than it would otherwise have been without the assistance of Norcros Rock-Tite.

The system comprises a Primer, a choice of Mortars (either with or without sand) and a Brush-In Grout. The product provides a high strength mortar for bonding concrete, natural stone and porcelain paving slabs to a hardcore or solid base. The Rock-Tite additives improve performance, workability and freeze/thaw resistance of the finished mortar mix. The choice of mortars allows customers to purchase their sand separately if they wish.

01782 524 140
www.norcros-adhesives.com



Case Study - 120 Oxford Street

City Remedial contacted the Resapol London technical team in March 2021 in order to support with supplying a solution for the reinstatement of reinforced concrete taking place on 120 Oxford Street, a major shopping destination in the West End of London. City Remedial were contracted to perform necessary repairs to the basement,



under pavement and vaulted areas that run around the entire perimeter of the building, as well as through a restaurant situated behind it. The original material coating the walls had failed due to water ingress causing the concrete to spall and steels to corrode.

Following extensive consultations and site visits with City Remedial and the Fosroc technical team, Fosroc's Renderoc HB45 was selected. Renderoc HB45 is a high performance, fibre reinforced medium density concrete reinstatement mortar that conforms to the requirements of BS EN 1504-3 Class R4. It is utilised for the reinstatement of reinforced concrete where low permeability characteristics are required and higher compressive strength is a consideration; these key characteristics made it the perfect product solution.

Resapol were consistently on hand throughout the project providing quick and reliable delivery of the product direct to site. The project is now nearing completion and Renderoc HB45 has performed extremely well, John Butcher the Director/surveyor at City Remedial had this to say on Resapol's



service: "Resapol have given us a second to none supply and advice service throughout the whole of this project - deliveries have been prompt and have been on several occasions exemplary. We have phoned up on several occasions with an urgent need for material and have received the goods within a couple of hours - how often does that happen?!"

0800 083 1942
www.resapol.com

resapol



Challenges overcome as balconies reach new heights in Tottenham

At 33 storeys, Anthology Hale Works is the tallest and final element of the Hale Village master plan – a major residential redevelopment in North East London.

The £82 million, 107-metre tower consists of 279 apartments for shared ownership and private sale, as well as ground floor commercial units. With the site's proximity to the Tube lines limiting some aspects of tower crane activity, many creative solutions were needed on site. These included use of mobile jib, lifting from inside the building. Creativity also extended to offsite-built heat interface units, mechanical, electrical and plumbing systems – and 164 Sapphire balconies.

The project provided several challenges for Sapphire and our accredited installers.

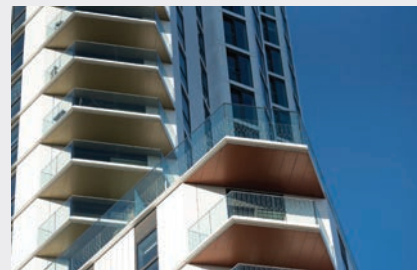
As each balcony is flush with the unitised facade and thermal breaks are usually outside such a facade, the thermal break is in the arm instead of the cast-in

anchor. Also, a complex bracket was required to take up significant tolerances.

Some balconies also required additional engineering to meet Sapphire's rigidity standards. We guarantee that every balcony fixed with Sapphire anchors will achieve 50% less deflection than the British Standards requirement of L/180. This ensures the outstanding rigidity of Sapphire balconies – a comfort for residents as there are no bouncy balconies.

The multi-angled shape of the building meant we had to provide balconies of varied size and layout – for attachment on one or two sides or fully inset. Sapphire ensured all balconies were built to suit the architect's vision and designs.

The project saw the first use of the remote locker – an innovative method of securing that enhances safety and overcomes the challenges of fixing Sapphire balconies to their support arms, especially in a unitised facade situation.



The crane lifts the balcony into position and the remotely controlled locker provides a safe temporary fixing. This allows the installers to insert and tighten the permanent fixings in complete safety, before securing the final decking boards in place.

Benefits of the remote locker include greater speed and efficiency – enhancing the overall benefits of glide-on balconies, over traditional building methods.

0344 88 00 553 balconies.global



Senior brings light to Lampwick Quay

Senior Architectural Systems has completed its fourth project for client Manchester Life after supplying the full aluminium fenestration package for the developer's new Lampwick Quay apartment scheme.

Located in Manchester's thriving new community in Ancoats, the new development comprises 213 apartments across three blocks of five, six and ten-storeys, with ground floor retail units and communal facilities including a gym and residents club room. A mix of Senior's aluminium windows, commercial doors and curtain wall solutions have been used extensively throughout the development and installed by supply chain partner Aire Valley Architectural Aluminium for main contractor John Sisk & Son Ltd.

To help reduce heat loss and energy costs, Senior's low U value and Part L compliant PURE®

aluminium casement windows have been installed to each of the apartments to create a comfortable living space. The stylish window system also provides the perfect frame for the development's views of Manchester's New Islington Marina.

Energy-efficiency has also been addressed in the communal, retail and ground floor areas through the use of Senior's thermally-enhanced SF52 aluminium curtain wall system which maximises the controlled use of use of natural light.

To meet the scheme's stringent safety and security requirements, Senior's robust SPW501 aluminium commercial doors were installed to the main entrance and exit points. The SPW501 commercial door system is ideally suited to high pedestrian use and meets the requirements of Secured By Design. Key elements of the fenestration package have also been designed to work as part of the scheme's overall passive fire protection strategy, with the use of Senior's SPW600 automatic opening ventilation (AOV) aluminium windows in the communal areas and stairwells. Although visually similar to Senior's popular SPW600 system, these AOV windows are fitted with a smart actuator which allows for quick and automatic ventilation in the event of a fire, helping to remove smoke from the air.

The development's low pitch sawtooth roof design pays homage the area's industrial heritage, with the slim aluminium frames of the fenestration package further complementing



the main facade of zinc cladding, brick and coloured panels. Initially designed by CallisonRTKL, the Lampwick Quay development was delivered by jmarchitects.

No stranger to the residential and private rental scheme market, Senior was also chosen by Manchester Life to supply aluminium fenestration solutions for other developments in Ancoats, including Cotton Field Wharf, which was the first phase to be completed, Weavers Quay and New Little Mill.

01709 772600 www.seniorarchitectural.co.uk



Senior's on the rise in the London residential market

Senior Architectural Systems has taken its aluminium fenestration solutions to new heights after being specified on the new Oaklands Rise mixed-use residential development in London, which is not only one of the UK's largest regeneration projects but also one of Senior's largest contracts to date.

Designed by CZWG Architects and constructed by the Vistry Partnership, the £175m scheme comprises three major tower blocks which vary in height from ten to 27 storeys. The buildings accommodate some 605 homes, 40 per cent of which are affordable housing, in addition to dedicated commercial space. Senior's stylish and thermally efficient aluminium doors, windows and curtain wall systems have been specified throughout, with the manufacturer collaborating closely with its



supply chain partners. Senior partnered with specialist contractor OCL Facades to deliver the fenestration package for the first phase residential scheme and with specialist contractor Soundcraft on the commercial elements.

Located in the Old Oak's area of Willesden in North West London, the development's striking curved architecture has helped breathe new life into the local area. Senior's slim profile SF52 aluminium curtain wall system has been used to create the striking faceted curved elevation, with the smooth rounded corners of the balconies and corner apartments further accentuating the design. Senior's robust SPW500 aluminium commercial doors were used externally and installed to the fire exits and main entrance, with SPW600 aluminium doors fitted internally throughout communal areas.

With the need to increase energy efficiency and reduce the carbon footprint of the scheme, Senior's patented low U-value PURE® aluminium windows and PURE® SLIDE patio doors were also chosen for the scheme. As well as contributing to lower energy bills for the residents, the slim sightlines of the PURE® aluminium windows and doors perfectly frame the development's far-reaching views over London and the attractive green streetscape below. The stylish PURE® SLIDE aluminium sliding doors also provide select apartments with access to individual roof terraces, creating a seamless link between the interior and exterior spaces.

Senior's aluminium fenestration systems were



also powder-coated to provide extra durability and to complement the aesthetic of exterior brickwork which pays homage to the rich industrial heritage of development's surroundings and close proximity to the Grand Union Canal and a historic Grade II railway bridge.

Oaklands Rise has been developed by Genesis Housing in partnership with West London football club Queens Park Rangers, which has expressed interest in creating a brand new stadium in the area. Constructed over several phases, Senior Architectural Systems first became involved in the scheme in 2016, with the total fenestration package value estimated to be in the region of £7m, making it Senior's most substantial contract win to date.

01709 772600 www.seniorarchitectural.co.uk



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Shelforce partnership 'top notch' for housing association installer

A West Midlands double glazing and installation company that specialises in housing association projects has said it 'couldn't ask for more' from its partnership with Shelforce.

Lutley Windows has been working with Shelforce since last year and have described the Birmingham window and door manufacturer as 'top notch'.

Shelforce specialises in providing high-quality PVCu and aluminium products to local authority building projects and employs some of the city's most vulnerable people with 75% of its workforce disabled, and for Lutley Windows MD Mark Taylor the company was well known to him.

Mark started Lutley Windows nine years ago working mainly maintenance for one housing association with a bit of response fitting. By the

time the company was asked to do planned works as well as maintenance, it was working with two housing associations.

Now Lutley Windows works with Midland Heart, Black Country Housing Group and Birmingham Civic Housing Association and, while the company also takes on domestic work, housing association work has tripled – meaning the partnership with Shelforce will be crucial moving forward.

"I've been in the business for over 30 years and knew all about Shelforce," said Mark. "When Stuart Stimpson from Winkhaus suggested trying them I jumped at the chance; it was a great idea, and we are absolutely over the moon with them and haven't looked back since."

"Anything we do we go to Shelforce first, whether that's windows, doors, fire doors and we only use another company if they can't do it but most things they can do."

"They really are top notch, and we feel comfortable with them; pretty much everything they do is to the highest spec and when they say they are going to do something they do it. That's rare and while it's a difficult time for everybody currently, Shelforce still deliver."

"They are always on the phone and if there are any issues they get them sorted straight away and you can't ask for more than that. And, of course,



with their experience in social housing and local authority projects they really know their stuff."

With around 20 people working at Lutley Windows, the company is looking to continue expanding next year, and Mark sees the partnership with Shelforce as important in that too.

Mark added: "We are currently trying to get registered for our PAS 2030 Certification and we're hoping towards the end of this year that we'll be working in partnership with Shelforce's Business manager Howard Trotter so Shelforce will be supplying the frames for Birmingham City Council and we're hoping to supply the labour."

Howard commented: "We have developed a hugely valued partnership with Lutley Windows in a short space of time which I feel is testament to both companies. It's been a pleasure to work closely with them and we're looking forward to a lasting relationship with Mark and the team."

From high rises and new builds to schools and colleges, Shelforce has experience with all types of social housing refurbishment and maintenance.

0121 603 5262 www.shelforce.com



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Architect chooses Yeoman Rainguard for home renovation

Spatial Design Architect, Sharron Dobrev, when renovating the exterior of her late Victorian home, chose Yeoman Rainguard rainwater systems for both functionality and design capabilities to achieve a desired finish.

Having started by completely gutting and refurbishing the home's interior, attention was turned to the fading grandeur of the property, which was originally built c.1910.

The addition of an attractive bright white rendering brought vivacity back to the house where Yeoman Rainguard's gutters, pipes and soil pipe products were chosen.

Colour matched in harmony with the white wall finishes, Yeoman Rainguard XL aluminium 125 x 100 mm MOG gutters and 75 mm dia. downpipes were installed by the Yeoman Rainguard team to the majority of the house.

A high functioning system, the XL is light weight with a powder coating, offering a traditional looking product with modern



benefits, such as robustness, long lifecycle, very low maintenance and recyclability.

GRP guttering was bespoke manufactured in the MOG profile to accommodate a radius required over a bay. This, being compatible to the XL range, was able to feed into the XL Aluminium run of guttering at either side. Cast iron TX Soil Pipes in the same white colour to maintain aesthetics were also installed.

Experience, skills and a comprehensive range of products, enabled Yeoman Rainguard



to accommodate all the specific requirements for this older property renovation project.

Ms Dobrev commented: "I would certainly use the product again and have already recommended them and the team to others."

With over 40 years in the industry Yeoman Rainguard are specialists in providing the right rainwater systems for renovation projects on historical, listed and heritage buildings.

0113 279 5854 www.rainguard.co.uk



Marley's future-proofed roof system scoops prestigious Housebuilder Product Award



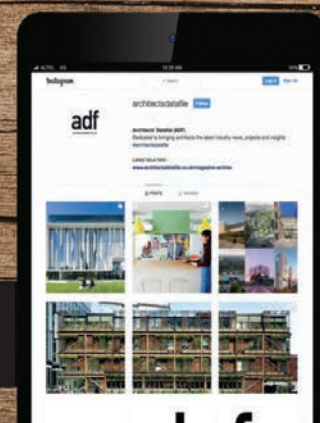
Marley's full roof system has won the Best External Product award in the highly competitive 2022 Housebuilder Product Awards. The expert panel of industry judges recognised how Marley's complete roof system including integrated solar PV and an innovative fire safety solution – Roof Defence, could help housebuilders tackle prominent issues round future sustainability and end user safety, and ultimately, provide future-proofed roofs. Marley SolarTile®, together with the new and innovative Roof Defence product, can both be specified as component solutions within a fully integrated roof system and help play a significant role in enabling housebuilders to satisfy new carbon reduction responsibilities under Part L of the Building Regulations, as well as enhance protection against the risk of fire spread between roof spaces. Stuart Nicholson, roof systems director at Marley, said: "Roof Defence and Marley SolarTile can help housebuilders protect the safety of homeowners and meet the sustainability demands of Part L and onwards to the Future Homes Standard, so it's great that the judging panel have acknowledged the benefits both products bring to a roof system."

01283 722588 www.marley.co.uk/roofsystem



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