



AUDIBLE
EDITION

building construction design

AUTUMN 2022

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www.buildingconstructiondesign.co.uk



Cover image: Gilberts
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ELLE Decoration Award For Vitra and Tom Dixon



The Liquid range by Vitra and Tom Dixon, which is inspired by pop art and Victorian bathrooms, has won another award, this time in the prestigious EDIDA 2022 awards.

The winners are chosen by the 25 Editors in Chief of the ELLE Decoration international network. Liquid was voted winner in the Bathroom sector and was described as setting a new standard for the bathroom space.

Liquid is the first bathroom range by the British designer Tom Dixon and is a complete bathroom collection that includes basins, taps, showers, accessories, tiles, and furniture.

Liquid features round-edged aesthetics and soft forms. The pieces can be used together, or single items can be selected as a focal point.

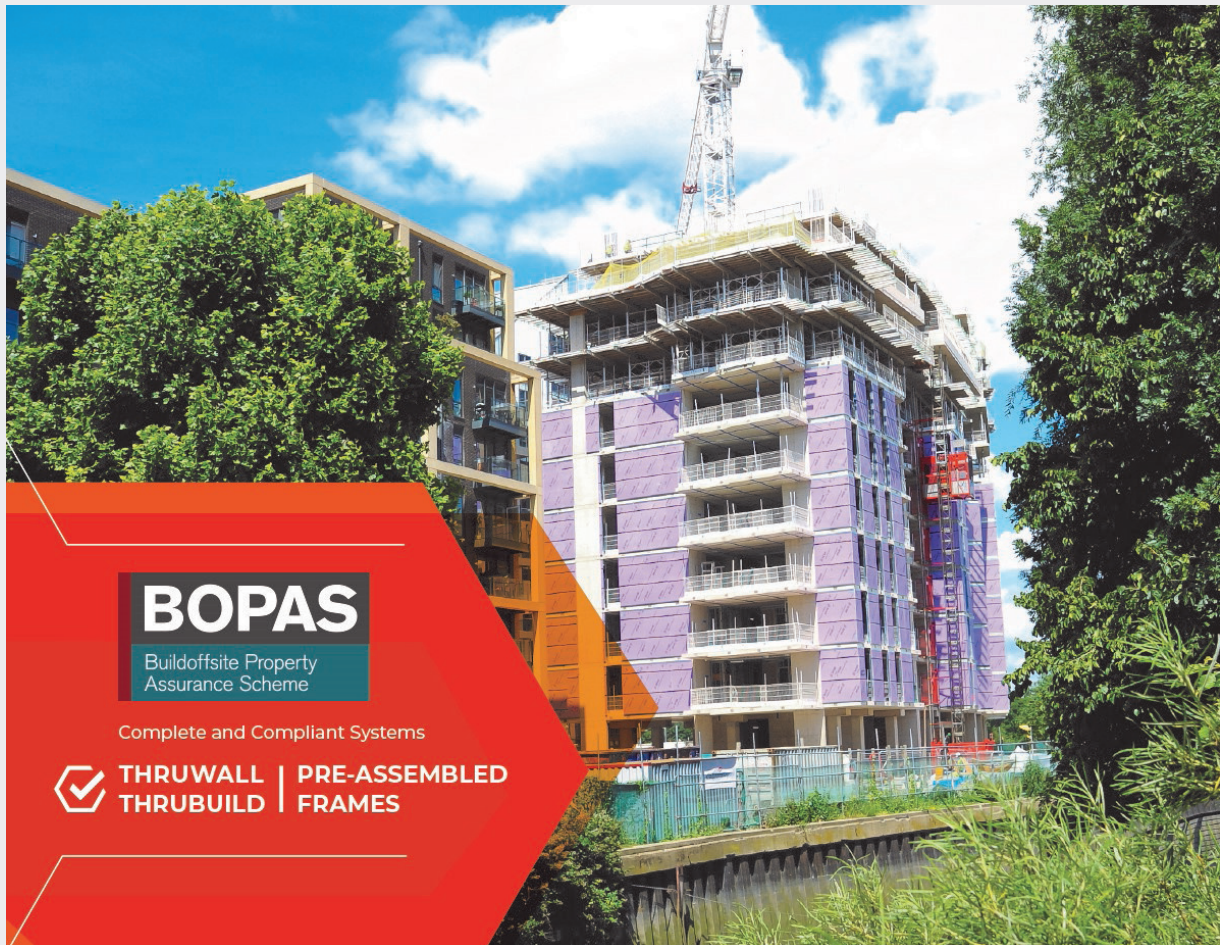
Recognising the current obsession with slim, reduced designs, Vitra and Tom Dixon have created the opposite, incorporating fatter, softer lines that are inspired by elements of pop art. While the overall design is reduced, the functionality is intuitive so that users can instinctively understand how to operate products such as taps and showers. The curved shapes make cleaning quick and easy – vital in the post pandemic world.

01235 750990

www.Vitra.co.uk/explore/liquid



It's Official - EOS Gain BOPAS Accreditation



BOPAS

Buildoffsite Property
Assurance Scheme

Complete and Compliant Systems



THRUWALL | PRE-ASSEMBLED
THRUBUILD | FRAMES

Following on from the announcement that EOS Framing has reached the finals of the Construction News Specialists Awards and has an unprecedented seven entries shortlisted in the Offsite Awards, the leading steel framing innovators have reported that the company has been awarded Buildoffsite Property Assurance Scheme (BOPAS) Accreditation.

BOPAS Accreditation is recognised by principal mortgage lenders as providing the necessary assurance underpinned by a warranty provision that the property will be readily mortgageable for at least 60 years.

WHY IS THIS IMPORTANT?

For funders and lenders BOPAS provides assurances that EOS Framing's light steel systems are fit for purpose and eliminates the uncertainty surrounding the construction for valuation purposes. It also removes the risk for developers of mortgages being declined on construction grounds and improves business opportunities for EOS as a manufacturer of offsite systems. BOPAS demonstrates to funders, lenders, valuers and purchasers that homes built from non-traditional methods will be durable, delivered to high quality standards and stand the test of time.

Managing Director of EOS, Steve Thompson stressed the importance of certification and accreditation:

"We take our responsibilities as a manufacturer extremely seriously. Our light steel frame systems are rigorously tested, manufactured under ISO 9001:2015 quality management standards and are now backed by BOPAS Accreditation. Our aim is to deliver confidence and certainty in the construction process and empower specifiers to be technical forerunners in the offsite sector.

"This achievement has only been made

possible by our dedicated team who share our vision and values. My thanks and appreciation goes out to all those involved."

Against a backdrop of government targets to build 300,000 homes a year combined with increasing construction costs and poor quality conventionally constructed houses as well as a huge shortfall in traditional skills - the demand for innovative offsite construction methods has never been greater.

COMPLETE AND COMPLIANT SYSTEMS

Specialising in advanced light steel framing technologies, EOS is taking the construction industry forward by pioneering a new certified systems approach, helping specifiers to comply and compete in challenging markets. EOS are committed to technical competence and as part of Etex, have some of the best building performance experts in the UK on their team. They work closely with certification bodies to jointly develop and design advanced technical solutions.

To discover how EOS systems are delivering certified, predictable and warranted performance, go to the EOS website.

01325 303030
www.eosframing.co.uk



Putting pedestrian safety first

Since it was introduced in 2013 the European safety standard EN 16005 remains a key standard to be followed to ensure pedestrian safety at automatic doors. Considered to be a more onerous standard it defines the responsibilities of all those in the construction industry from manufacturer to end user and including architects and contractors.

GEZE UK has revised and updated its popular and informative RIBA-approved CPD 'Safeguarding Pedestrians from Accidents at Power Operated Doorsets'.

The 40-minute seminar looks at the European standard EN 16005 in detail and explains the responsibilities of all involved to ensure safety and compliance at all stages of construction.

It explains everything from activation distances for escape routes and non-escape routes; the danger points of automatic sliding, swing and revolving doors and how safety features such as finger guards and protection leaves can be used to reduce the risk of injury; and looks at revolving doors which are potentially

the most dangerous and which received the most significant changes. It is intended for Chartered members of RIBA but is also suitable for facilities managers, property managers and contractors.

Offering architects and specifiers invaluable advice and guidance, which contributes to their continuing professional development, this updated training seminar gives a better understanding of the standards and regulations surrounding pedestrian safety at automatic doors. The seminar is included in RIBA's core curriculum: Design, Construction and Technology; Health, Safety and Wellbeing; and Legal, Regulatory and Statutory Compliance for the General Awareness knowledge level.

It can be presented in person or virtually via a variety of online platforms and at a time to suit, usually lunchtime but breakfast seminars or afternoon sessions can be accommodated.

To find out more or to book a CPD seminar, please email cpd@geze.com or visit the CPD information page on www.geze.co.uk under services.



National Specification Manager Richard Richardson-Derry said: "Automatic doors are a machine and just like any machine they can cause harm if not used properly, however we cannot expect pedestrians who may not be so familiar with them to be aware of the potential danger, therefore those of us in the industry need to take responsibility and ensure they are safe for all to use."

"This CPD explains how to do just that and that if we all play our part we can limit or even eliminate accidents at pedestrian doors."

Other presentations offered by GEZE UK, include Specifying, Installing and Maintaining Ironmongery for Fire Doors; Designing Effective Natural Heat and Smoke Ventilation; and Removing Barriers to Access.

01543 443000 www.geze.co.uk



Glidevale Protect joins forces with Countryside Timber Frame

UK building products manufacturer Glidevale Protect has announced it has entered into a long-term Supplier Agreement with Countryside Timber Frame, a division of Countryside Partnerships.

The agreement will see Glidevale Protect supplying specialist construction wall membranes for use across Countryside Timber Frame's three UK timber frame manufacturing sites, located in the North West and East Midlands. The manufacturing facilities produce both open and closed panel systems for use across Countryside Partnerships' new housing developments and social housing collaborations across northern and central England.

The formal supplier agreement will strengthen Glidevale Protect's successful working relationship with Countryside Timber Frame which has seen the two companies collaborate on a range of projects over the last 16 years. Already a tried and trusted solution, Glidevale Protect will supply its low emissivity, reflective membranes, namely the insulating Protect TF200 Thermo external wall breather membrane as well as Protect VC Foil Ultra, the air and vapour control layer. This combination of wall membranes will help to improve energy efficiency, increase airtightness and manage condensation risk to support Countryside Timber Frame in creating healthy and sustainable homes.

Glidevale Protect is a subsidiary of Building Product Design Ltd, one of the UK's leading forces in the development of building ventilation solutions and specialist building products. Building Product Design Ltd, which is well known for its commitment to building healthy solutions, is itself part of Wienerberger PLC, a leading provider of wall, roof and landscaping products for new build and renovation projects. As well as benefitting from a strong heritage, Glidevale Protect also shares its parent company's commitment to sustainable and innovative product design and development.

Glidevale Protect's specialist product solutions with market leading aged thermal resistance have been developed to support the 'fabric first' approach to housebuilding and help ensure compliance with the necessary Building Regulations, including the recent updates to Part L and the onward journey to the Future Homes Standard in 2025.

Graham Cleland, managing director at Countryside Timber Frame commented: "Supply chain collaboration is a vital part of our plan to build homes that are not only of exceptionally high quality but also have energy efficiency at their heart with a low-carbon footprint. Our investment in our timber frame manufacturing capabilities is helping us achieve this aim and as we embrace more modern methods of construction, we need to ensure that our supply



chain partners not only have the best product solutions but also share our values."

"Glidevale Protect is a trusted partner with a clear commitment to developing solutions not only to help deliver more energy efficient and sustainable buildings but also to add value to our factory manufacturing process, with a product and service offering that meets our needs. We look forward to continuing our work with Glidevale Protect and to demonstrate the benefits timber frame construction can bring to housebuilding."

Ben Gerry, commercial director at Building Product Design, Glidevale Protect's parent company, added: "A housebuilder working together within the supply chain is key to unlocking best practice and we are delighted to strengthen our existing relationship with Countryside Timber Frame by embarking on a new, long-term formal supplier agreement. As well as developing our product range, we are also building on our expertise in the offsite construction market and we are excited to collaborate with one of the biggest names in housebuilding."

0161 905 5700 www.glidevaleprotect.com



Yeoman Shield Fire Door Services offer assurance to clients

Yeoman Shield Fire Door Services division continues to go from strength to strength with the addition of a new team member and new personnel accreditations.

Technical Advisor, Richard Bingley and Technical Supervisor, Shaun Stevenson, already have the FDIS Diploma in Fire Doors. Both have now increased their portfolio



of certification, having recently sat for, and to their credit, achieved the FDIS Fire Door Inspection qualification.

"The FDIS Fire Door Inspection qualification assures our clients that our Fire Door Services supervisors have the essential skills to carry out fire door inspections with the knowledge to identify non-compliant issues," commented Contracts Director, Richard Good.

With an in-depth understanding of the regulations, components, compartmentation, and function, Richard and Shaun can also advise on remedial work required to bring damaged fire doors back to an acceptable standard under best practice guidance.

Offering accepted repair techniques can help reduce the cost of remedial work to non-conforming fire doors whilst a regular Fire Door inspection and maintenance routine will ensure that problematic issues can be dealt with before they get to the point of total fire door replacement.

Yeoman Shield Fire Door Services has been further enhanced by the internal promotion of Gemma Batley to the team.

Richard Good explained: "Gemma has worked within the company for many years as a Senior Sales Coordinator and has great understanding of our fire rated door protection products and will certainly be an asset to the division."

Gemma has been appointed as a Fire Door Supervisor and has already achieved the FDIS Diploma in Fire Doors Certification



ready to progress to the Fire Door Inspection qualifications.

For more information on Yeoman Shield Fire Door Services as well as Yeoman Shield's range of Wall & Door Protection products please contact the company or visit the website.

0113 279 5854 www.yeomanshield.com



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Sika moves Parex Monorex GM production to the UK

UK leader in construction chemicals Sika, has moved production of its most popular colours in the Parex Monorex GM render range from France to the UK to match the expectation and growth in demand from its customers and drive down lead times.

Sika Ltd has confronted supply chain challenges for some key Sika Parex product ranges and has made the step to produce the three most popular colours of Monorex GM – G00, G10 and G20 – in the UK. This will see the production of Monorex GM with the same excellent performance and results as users expect. Monorex GM is a one-coat, through coloured weather resistant decorative render for masonry and concrete substrates.

Darren Bunting, Business Unit Manager for Sika Everbuild said: "The construction sector has faced many challenges in the last two years as a result of Covid-19 and Brexit. Sika continually look to identify opportunities to improve customer service and satisfaction and our decision to produce our key product, Monorex, in the UK is a great example of that - enabling us to reduce lead times and supply chain risks for our customers."

For distributors and applicators, Sika Parex's product offering consists of a range of quality render system and solutions. With its expertise in mortar solutions for renovation and new builds, Sika participates in all phases of the construction life cycle.

Available from local Business Development



Managers, the Sika Parex Housebuilder Pack outlines the "complete" package to customers and specifiers with industry sector experts available to provide unsurpassed levels of free technical advice, specifications and CAD details.

With sites in Welwyn Garden City, Wishaw

and Preston, Parex is a brand within Sika, a leading manufacturer of construction chemicals, mortars, specialist adhesives and sealants and render systems for use in construction, refurbishment and civil engineering.

gbr.sika.com



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VitrA celebrates 30 years in the UK

International bathroom brand VitrA is celebrating 30 years of supplying bathrooms in the UK.

The British bathroom world was very different 30 years ago when Levent Giray and his team brought VitrA to the UK. VitrA was one of the first European manufacturers to break into the market – which was dominated by British names – thanks to its quality manufacturing, strength in domestic market leadership and innovative production capabilities.

When VitrA entered the UK market in the early 1990s, the company already had 30 years of experience in ceramic manufacturing, ten years of experience in brassware manufacturing, and an enviable portfolio of products.

From the start, VitrA showed commitment to acting as a British manufacturer instead of an importer. While VitrA brought new design styles into the UK, products were always produced according to UK plumbing systems. VitrA also designed products explicitly suited to the British market, such as the Chelsea and Chartwell ranges. The company was also one of the first non-British manufacturers to become a member of the Bathroom Manufacturers Association, reflecting its sense of duty to the UK industry.

Appearances at shows such as ISH and Interbuild, showing innovative, quality



VitrA's London Showroom – Liquid designed with Tom Dixon takes centre stage

products, won VitrA support early on among independent retailers. Ranges like VitrA's Riva, Pluto, and Berwick are still remembered by retailers who built their business on these and other ranges.

VitrA has played a key role in pivotal bathroom design developments, including wall-hung pans, which the brand has manufactured since the late 1980s. VitrA was also one of the first to introduce an affordable, good-looking shower toilet option into the UK market. Not only is the popular V-Care shower toilet priced incredibly competitively, but it's also virtually indistinguishable from a regular wall-hung toilet.

VitrA has always had a strong focus on innovation. In the early days, the brand pioneered advanced manufacturing technology, including the integration of CAD software. In 2011, VitrA opened the Innovation Centre. This state-of-the-art research and development centre produces and trials new products and technologies for international markets and specifically for the UK market, considering the UK demands for plumbing, water variations and space requirements. Several unique solutions, such as VitrA Rim-ex rimless technology and VitrA Hygiene ceramic glaze, have originated from the Innovation Centre.

Continuous investment over the thirty years allowed VitrA to lead manufacturing processes and remain hugely flexible in logistics and supply. In the UK, this was enhanced by building relationships with the strongest British distributors – early on with



A popular bathroom range from 1990's VitrA – Arion

Scorpion and later Barwick and Davroc. Over the years, Vitra has worked hard to build retailer relationships and introduce the brand to the British public. Vitra started the Showrooms of Excellence programme in the late 1990s, which continues today as an integral part of the sales strategy. These longstanding and effective partnerships form a network of retail experts that keep Vitra close to the marketplace.

Building on the success of the retail market, Vitra started to supply to the commercial market over 20 years ago. Within the first five years, the company won the contract for the new Heathrow T5 terminal and created the K basins specifically for this project. Vitra has also nurtured relationships within the hospitality sector, including IHG & Hilton, leveraging the company's global presence.

Vitra has also built longstanding relationships within the residential contracts market with architects, developers and housebuilders. In the early 2000s, Vitra started working with Urban Splash on projects including Moho, designed by shedkm, and Chips, designed by Will Alsop. Recent residential projects for Vitra include The Cocoa Works apartments by Latimer and the Phoenix apartments by Capital and Centric.

The range, called 'Istanbul', was and still is unlike anything else on the market. For the UK, this was the start of a long history of designer collaborations, culminating in the launch of Liquid with British designer Tom Dixon last year.



Vitra's Clerkenwell, London Flagship showroom is also a creative space and ideas hub

Today, Vitra operates over 2,000 sqm of warehouse space in Oxfordshire and has a team of 50 people. The company continues to grow from strength to strength, addressing the industry's new challenges and changes in

buyer behaviour.

Last year Vitra opened a showroom in London for architects, designers, and specifiers, marking a new milestone in the company's journey. Vitra London is not only a space to showcase products, but also to engage with the community through events, workshops, and installations.

Levent Giray, retiring Managing Director (end of July 2022), says, "It is fair to say we have come a long way in three decades. Brands pre-eminent when we arrived have largely disappeared. Internet sales and the IoT are pervasive, with companies interacting directly with consumers in ways unimaginable back then. The future is exciting. Leaving Vitra after 30 years is bittersweet, but in the skilful hands of Steve Breen and the team, I know that Vitra will continue to build on its reputation for good design, high-quality products and top customer service."

Managing Director Steve Breen says, "I'm delighted to be leading Vitra through this next chapter. Vitra is in fantastic shape with a great team of staff and management. The foundations built over 30 years mean we are well placed for the next 30."

01235 750990
www.vitra.co.uk



Istanbul developed with Ross Lovegrove remains unique in the bathroom market



Aico launch new and improved HomeLINK App for Residents



Seeking to empower residents to create safer and healthier homes, Aico, the European Market Leader in Home Life Safety, has launched the third iteration of the HomeLINK App for Residents. The app provides an innovative solution to some of the housing sector's biggest challenges, such as damp and mould and poor indoor air quality, allowing residents to take the first steps in improving their home's health.

The app is a complementary addition to Aico's HomeLINK Internet of Things (IoT) platform, which includes a network of fire and carbon monoxide alarms, environmental sensors and the Ei1000G Gateway that connects them all. Designed to provide residents with detailed information about the health and safety of their home, the app provides users with hints, tips and recommendations to better their home's indoor environmental conditions, in turn, improving their own health and wellbeing.

For example, with the improved core features, residents will receive notifications and recommendations, detailing how to reduce the risk of allergens, mould and indoor air pollution

besides fire alarm testing reminders. Through real-time information, residents will see a breakdown of carbon dioxide, temperature and humidity conditions within each room, followed up by educational information to understand their home better.

A game-changing new feature with the opportunity for enhanced care provides residents with the ability to invite others to app, so that their family members, carers or friends can also access the information to support the resident in following the healthy home recommendations.

Innovation is a key part of Aico's ethos, and their colleagues at HomeLINK are at the forefront of the research and development for the HomeLINK App for Residents. Taking this to the next level, residents can now trial new, experimental features via the app such as different design elements, allowing HomeLINK to directly collect feedback and quickly implement better user experiences.

Amrita Poptani, Product Manager at HomeLINK comments, "One of the things we noticed early on was how the tiniest thing could affect the moods, perceptions and overall

mental health of the resident when using the app. With this in mind, we ensured elements of the new user experience were fun, exciting and light without taking away from the seriousness of the information. And while it's always a work in progress - this new version not only lays the foundations perfectly but it's also 'very snazzy', as one of our resident-testers put it!"

To date, Aico have brought their HomeLINK connected, smart home solution to over 22,000 socially rented homes in the UK and this number is increasing exponentially, with over 136,000 devices installed, encompassing a Gateway for each property with a set of connected alarms and environmental sensors.

www.aico.co.uk/smart-home
www.youtube.com/watch?v=8b86NzBJ7X8



New MOY CPD “achieving zero leaks”



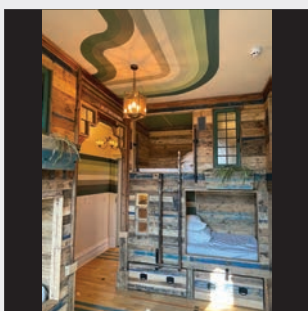
MOY are pleased to announce the new RIBA approved CPD entitled “Achieving Zero Leaks.” This CPD presentation aims to support specifiers and designers on achieving long lasting, compliant and sustainable roofs, with problem free, zero leak solutions. Achieving Zero Leaks CPD covers the following topics: Flat roof design principles – building standards & legislation compliance; Flat roofing systems – roof waterproofing technology types and typical applications, accessories and components; Achieving Zero Leaks – outlining the importance of ‘quality system supplier’ selection to help ensure successful development & delivery of the correct specification. Duration: 1 hour. Format of delivery: At Practices & Digital delivery. MOY are one of the UK and Ireland’s leading full system providers for high performance flat roof waterproofing systems. We work closely with clients and design teams to provide and deliver high quality systems to integral roofs and our innovative, long-lasting waterproofing solutions are backed by industry accreditation’s and award winning technical support.

01245 373411 moymaterials.com/cpd-training



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Earthborn’s Claypaint on hand to help with new hostel



A newly renovated 19th century building in Leeds recently opened its doors to accommodate travellers. The new hostel has 12 truly unique rooms, all designed by local and international artists. Earthborn’s Claypaint was on hand to help these talented artists turn their ideas into reality. Hannah Platt, Assistant Manager at the Art Hostel, said: “We approached Earthborn because of their highly recognised eco credentials and their breathable Claypaint. We wanted to collaborate with a paint company that cares about their carbon footprint and would also suit the needs of such an old building.” Hannah added: “The artists found Earthborn’s Claypaint to be a refreshing change from normal paints. There was zero smell, the coverage was amazing and Claypaint has a beautiful palette of colours for our artists to work with. We highly recommend anyone to try Earthborn paint, you won’t be disappointed.” Claypaint is available from Earthborn’s network of distributors in its Classic palette of 72 colours, plus white and 12 Modern Country Colours. Pictured is the Rainbow Lodge – the clean flowing lines perfectly showcase a delicious array of greens.

01928 734 171 www.earthbornpaints.co.uk



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Spiral and helical staircase CPD webinars



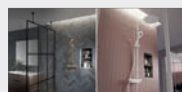
Staircase experts, Spiral UK, offer architects a live bespoke staircase CPD presentation on Microsoft Teams or Zoom free of charge at a time that suits them. The session covers: staircase design, stair regulations ADK, ADB, ADM and specifically BS5395 Part II (which relates to spiral and helical staircases), 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



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Aqualisa expands shower range



Aqualisa has extended its iconic Midas™ 220 mixer shower line-up with the addition of two new ranges in Brushed Brass and Matt White – meeting the growing consumer demand for new options and colourways in the bathroom

brassware sector. Three options are available in each new colour: Midas 220 Single Outlet Shower; Midas 220 Dual Outlet Shower; and Midas 220 Bath Shower Mixer. An easy-fit bracket is included with each product for added convenience. The Aqualisa Midas 220 collection is backed by the Aqualisa five year guarantee. The range is also available in Chrome and Black Metal finishes.

01959 560010 www.aqualisa.co.uk



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Electrorads' ThermaStore High Heat Retention making storage heaters attractive again!

Electrorads' newest edition to its family of electric heating has launched! Richard Brown, Managing Director at Electrorad says: "The R&D team have worked tirelessly to ensure the BRE, BSRIA and LOT20 boxes are firmly ticked and that we are recognised on the SAP database within the high heat retention category. Our ThermaStore HHR Storage System really does bring all the great advantages of storage heating without any of the negatives."



The ThermaStore HHR has high quality internal insulation around its core, enabling longevity of heat retention which ensures you have heat whenever you want it throughout the whole of the day, unlike the more traditional heaters that can often only provide enough heat for start of the day then run out toward the end. The ThermaStore also has optional app control too which is compatible with Alexa and Google Home giving you voice control of your heating!

With built in digital controls and clever thermostat the ThermaStore HHR has the ability to learn what charge is required to heat your rooms day to day, which means it really makes your Economy 7 tariff work hard for you and is proven to be up to 27% cheaper to run than a standard storage heaters!

The ThermaStore HHR is an exciting development within the High Heat Retention marketplace and is available from all wholesalers nationally NOW!



For more information please contact the team or visit www.electrorad.co.uk/thermastore-hhr-storage-heater

0113 2746799
sales@electrorad.co.uk



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www.electrorad.co.uk/thermastore-hhr-storage-heater
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E: SALES@ELECTRORAD.CO.UK

W: WWW.ELECTRORAD.CO.UK

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Our Fire Doors are third party
dual certified for both fire and
security rating.



We manufacture everything
in-house so we can offer
competitive prices and fast
lead times.



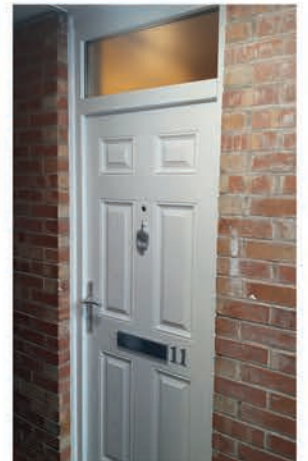
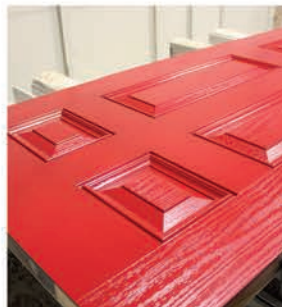
Our Fire Doors come in several
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and glazed side panels.



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Astraseal is the first UK Manufacturer to be awarded third party
certification under the new BM Trada Scheme STD 170. We have also
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(STD058). Our Fire Doors have been fire tested from both inside and
outside to BSEN1634-1.

Now available with glazed side panels... Fully third party certified
and bi-directionally tested to BS EN1634-1.

Scan here to discover more about Fire Doors from Astraseal...



A spa-like indulgence for the home provided by Kaldewei Whirl systems

The generously sized Centro Duo Oval bath is fitted with the bespoke Whirl systems for spa-like wellness that can be installed in your own home. The Kaldewei Whirl systems is a combination of massaging jets by adding the Whirl systems to its steel enamel bathtubs, Kaldewei combines modern luxury with sustainability – “luxustainability”.

There are four different massage systems to choose from Body & Soul, Soul, Full Body, and Body, all offering different intensities of massage.

The Body & Soul wellness system combines the elements of water and air for the perfect massage experience. Powerful jets of water loosen muscles, tendons, and joints, while

sparkling, preheated air bubbles stimulate the skin. On request, the side and floor nozzles can be selected separately and be adjusted in their intensity.

With the Soul air massage, the wellness system creates a bubbling air flow with preheated air bubbles, the air technology stimulates the nerve fibre ends of the skin to help relieve stress and tension wherever it may be held in the body.

The Full Body aqua massage is an intensive massage designed to loosen muscles and promote blood circulation. Micro nozzles specifically treat the back and feet, and the side jets can be aimed directly at specific parts of the body to work on stubborn muscle knots.

The Body massage uses lateral water massage jets that range from gentle to powerful. The side nozzles can be individually aligned to the body, and special micro nozzles are designed to treat the back and feet.

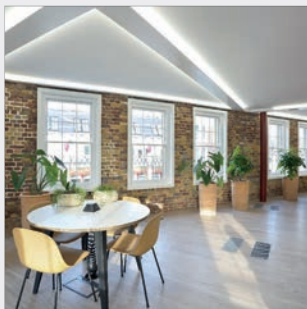
A sleek display panel made of white glass integrates seamlessly into the rim of the bathtub and ensures easy control of the Whirl systems. The Kaldewei Whirl systems offer simple automatic cleaning and a sensor-controlled blow-dry function for a clean and hygienic finish.

01480 498053
www.kaldewei.co.uk



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AET's sustainable answer



What is sustainability? Well, that's the question we should all be looking to answer, right? For years developers have been progressing their projects using tried and tested methods, but those methods are now being put under the spotlight. Why? Because in most cases, these methods of building have been proven to be unsustainable. Many commercial office buildings are designed with ceiling-based air conditioning systems but are they truly sustainable? For changing occupiers, moving pre-fitted systems, and adding additional duct work is often required, resulting in an expendable amount of waste. AET Flexible Space offer a very simple answer to this problem, as we do not require the same duct or pipework required by ceiling based systems. AET systems use the floor void as a plenum and are inherently flexible. This means developers can fit out the building at CAT-A stage safe in the knowledge that when the new tenants take ownership they can re configure the existing equipment easily and effectively in a matter of minutes. In a nutshell, AET's underfloor air conditioning system is the sustainable option.

01342 310400 www.flexiblespace.com



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Fireline FQ5 from Charlton & Jenrick



A new addition to the Fireline 5 kW line-up, the FQ5 features a modern door style making it perfect for contemporary interior spaces. Performance and environmental credentials are guaranteed with the tertiary air and airwash features. The optional log store and brushed stainless steel door handle are available to help

you tailor your stove to your tastes and your environment. This stove benefits from Charlton & Jenrick's state-of-the-art firebox combustion technology for Ecodesign 2022 ready, DEFRA exempt heating as standard, and the clearSkies Level 5 certification.

01952 200 444 www.charltonandjenrick.co.uk



LISTEN HERE

Beautifully designed. Created for longevity.



Exclusive British bathroom brand Elisa™ has announced the availability of its new line-up of premium taps: the Antonella™ collection. Designed to complement the recently-launched Elisa Emilie™ and Rosa™ modular concealed mixer shower range, homeowners can select from a large and small single lever pillar tap, a discreet and elegant wall mixer tap, and a stunning free-standing bath filler with shower attachment. All models are offered in a choice of classic chrome, brushed brass or a matt black finish with an on-trend, minimalist profile.

01959 560003 www.elisabathrooms.com



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Vicaima design bowls them over at The Heyford Hotel

A new and stylish Boutique Hotel at the heart of the Oxfordshire countryside has specified Vicaima trend setting door designs to compliment the mood of its relaxing and entertaining interiors.

With its select and elegantly appointed rooms, The Heyford Hotel provides a refreshing visitor experience in the picturesque and rural Oxfordshire location of Upper Heyford, yet less than 30 minutes' drive from the City of Oxford. Situated at the heart of the famous former military airbase and with a nod to its past American connections, the hotel includes its own bespoke bowling alley and themed bar for those wishing to enjoy tastes from across the pond.

Developers Dorchester Living have collaborated with Vicaima over many years, in their transformation of the former RAF and USAF Upper Heyford airfield. Therefore, it was only natural that they should chose Vicaima for this jewel in their crown. With a reputation for close attention to design detail and ability to reflect the desired blend of contemporary decor, yet sympathetic to the project's historic heritage, Vicaima were able to realise the harmonious interiors.

Working in conjunction with partners ABL Doors on this phase, Vicaima products included third party accredited and rigorously tested and certified FD30 Fire doors, which Vicaima supplied as popular Portaro® Door Kits. These completely matching door and frame assemblies; designed for easy and rapid installation, were factory finished in Crown Cut Ash veneer with a Marina Grey



Certified Vicaima fire doors in room entrances

semi-translucent tone. This attractive face finish also included a final addition, with the inclusion of two vertical and parallel black inlays, positioned close to the doors closing edge. Supplemental to doors and frames, Marina Grey toned skirting boards were also supplied by Vicaima, thereby completing the overall theme.

Portaro® door kits and Marina Grey finish from the Naturdor® stained range are just two examples from an extensive

selection of imaginative ideas from the comprehensive Vicaima Design Collections. With performance and decorative solutions for a multitude of hotel and leisure projects, Vicaima offer everything from standard and 'off-the-shelf' to completely bespoke designs via their Infinity Brand.

For more information visit the website or email Vicaima to request samples/literature.

www.vicaima.com marketing@vicaima.com



Entrance Gallery at The Heyford Hotel



Certified Vicaima fire doors in corridors



Luceco Lighting Controls at East Midlands Ambulance Service Call Centre

Luceco has recently lit facilities at Horizon Place for East Midlands Ambulance Service NHS Trust (EMAS). EMAS provides emergency care and patient transport services for 4.8 million people. Phase 1 of the project included the relighting of the Incoming Call Centre, a very busy environment operating 24/7 and a pivotal element of the services provided by EMAS. The open plan space required eight zones which could be separately controlled

providing various levels of illumination to assist with the activities of the call centre and to help promote wellbeing in a setting dealing with emergency situations.

Recessed LuxPanel Extra luminaires were used throughout the installation controlled by Luceco's wireless lighting control system – Platform. Platform is an innovative controls solution making the planning, configuration, and commissioning of wireless lighting controls accessible to many applications from large open plan commercial environments and warehouse spaces to conference rooms, corridors, and smaller office layouts. Existing and new installations can be transformed into a flexible wireless controlled infrastructure. Platform sensors were used to provide occupancy and daylight dimming facilities with Platform switches pre-set with scenes for different lux levels depending on the time of day and staff shift arrangements.

Luceco Project Manager, Leigh Davey said: "With many organisations looking



to become more environmentally friendly and reduce their energy and operating costs, lighting controls can help save around 60-70% on energy consumption and ensure spaces are lit appropriately to provide safety, security and comfort using scene setting, presence detection and daylight dimming controls. Platform offers high value return-of-investment on new or existing lighting installations as well as extending the life of the luminaires due to reduced operating hours."

uk_sales@luceco.com
www.luceco.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.

01342 310400 www.flexiblespace.com



Beautifully crafted. Built to last.



Elisa™ has announced the introduction of a completely customisable, modular shower collection based around Aquahub™ – a unique, concealed valve technology innovated in-house at Elisa. This stunning new mixer range offers a fully personalised choice of facias, shower outlets, heads and accessories, all compatible with the central Aquahub valve. Each component is available in a brushed brass, polished chrome or matt black finish. Mike Simpson, chief marketing officer at Elisa, commented: "The Elisa Emilie and Rosa collections can be as individual as the homeowners themselves".

01959 560003 www.elisabathrooms.com



F. Ball launches next generation



F. Ball and Co. Ltd. has launched Stopgap 1500 AquaPro, the latest addition to its range of high-performance, water-mix smoothing underlayments. Stopgap 1500 AquaPro uses the latest technology to create the next generation of water-mix smoothing underlayment and can be applied over old adhesive residues, including bitumen, carpet tile tackifiers and ceramic tile adhesives, eliminating the need for mechanical preparation. In such applications, there is no need to prime beforehand, saving further time and expense. It is walk-on hard in as little as 60 minutes after application and ready to receive floorcoverings from just four hours.

01538 361 633 www.f-ball.co.uk



New score & snap tile backer board from Euroform



A new, lightweight, 'score & snap' tile backer board has been launched by construction materials supplier Euroform. Named 'Easyboard', the fibre cement board is designed for use in areas of high moisture, such as kitchens and bathrooms, and has secured an A1 non-combustible rating.

Easyboard's 'score & snap' nature is an innovative development for a tile backer board – it is scored easily with a traditional utility knife and snapped to size without the use of specialist cutting equipment. In addition, its relative lightweight (approx. 13 Kg per 800mm x 1200mm sheet) means that it can be lifted and fitted by a single installer or DIY user.

Easyboard® has been classified A1 "non-combustible" according to (BS) EN 13501-1.

Manufacture is via a unique process, combining Ordinary Portland Cement with a reinforcing matrix, that enhances workability and handling over traditional fibre cement boards.

Available in 12.5mm thickness Easyboard® is inorganic, making it very dimensionally stable compared with traditional wood-based boards.

Commenting on the new product, Mark Atkinson, Euroform's national commercial manager, said, "Easyboard" is lightweight and a handy size for a single person to install.

Its workability, with its ease of cutting, is a significant improvement over traditional tile backer boards. Competitive pricing is also going to make it an attractive new alternative."

Easyboard® is only available from Euroform.

A video demonstrating the ease with which Easyboard® can be cut via the 'score & snap' method can be seen at: www.euroform.co.uk/easyboard

Euroform recommends Easyboard® is installed in brick bond fashion with a flexible adhesive used when placing tiles. It can be used as a wall tile or floor tile substrate.

01925 860 999 www.euroform.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
- ✓ Design
- ✓ Compliance
- ✓ Sustainability
- ✓ Safety
- ✓ 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



Make fire doors your priority

A survey into fire safety in the social housing sector reported that 95% of respondents named fire doors as the most important fire safety product and more than half cited broken fire doors as the main reason for properties failing fire safety assessments.

With the Hackitt Review calling for greater care in the specification of fire safety products, door closer manufacturer, Samuel Heath asserts that the type of door closer fitted to fire doors in social housing stock should be given as much consideration as the fire door itself.

The right door closer will not only meet relevant fire and accessibility requirements, but also assure continued reliability of the fire door, tenant safety and well-being, as well as help to control whole life costs.

Samuel Heath's Powermatic, jamb-mounted, concealed door closer delivers in all these areas, meeting the necessary performance standards and delivering a host of additional benefits thanks to its total concealment when the door is closed.

For more information, send Samuel Heath an email at info@samuel-heath.com or give them a call.

0121 766 4200
concealeddoorclosers.com



Troldekt takes Gold

Since 2012, Danish acoustic wood wool manufacturer Troldekt has been leading the way with its sustainable practices and leadership. An early adopter of the Cradle-to-Cradle design concept, the company has focused on its material health, reutilisation, energy, water and social responsibility winning recognition and numerous green awards over the years.

The adoption of Futurecem™ has now further enhanced the manufacturing process and elevated Troldekt to Cradle-to-Cradle Gold Certification. In addition, and being both FSC® and PEFC™ certified, the company has set strict environmental targets for its manufacture and products culminating in a transparent roadmap in its annual CSR reports. This has led the company to be one of Europe's most vociferous advocates for sustainable design and one which contributes positively to BREEAM, WELL, LEED and DGNB-Certifications.



Futurecem™ is a new patented cement from Aalborg Portland. Absorbing more CO₂ than it creates during production, its incorporation into Troldekt's wood wool panels gives Troldekt acoustic panels their strength, durability and fire-protective properties without the use of harmful chemicals. This combination also means that Troldekt's panels have a negative carbon footprint right up until it is time for them to be disposed of or recycled – a phenomenal result.

Troldekt's natural and inherently sustainable panels offer high sound absorption and tactile surface, coupled with 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 from Troldekt.

01978 664255 Troldekt.co.uk



Välinge innovation shakes up the wood flooring market

Välinge Innovation UK has introduced the Välinge Flooring Brand to the market this year – and rewritten the rules on hardwood flooring in the process.

The company's range of hardened wood products features the technologies of Woodura® and 5G® Dry™, representing the next generation of highly innovative engineered wood floors. Woodura® is a patented surface technology which gives outstanding durability and is also highly sustainable. 5G® Dry™ is a premium water-resistant fold-down system which is unique among hardened wood flooring products on account of its ease of installation and its water resistance.

These new products are getting an enthusiastic reception from UK buyers, who welcome the way in which the new products from Välinge Flooring combine the beauty and feel of a real wood floor with exceptional water-resistance, durability and sustainability.

To meet increasing demand for its new products in all markets where they are active including the UK and Ireland, Välinge is now ramping up its capacity, both at its headquarters in Viken (Sweden) and also by setting up a new mega-factory in Ogulin (Croatia).

The company is taking this step to protect its supplies in a situation where a raw materials crisis was already strongly affecting the wood flooring industry, and this has been greatly exacerbated by the war in Ukraine. Together Ukraine and Russia account for about 25 per cent of all oak top



layers produced for the European market and the shortage of oak in general and parquet floors in particular is now having an impact on the market, jeopardising many construction projects, which now face the risk of major delays due to cancelled deliveries of traditional wood flooring products.

The first phase of the new Croatia factory is scheduled to be operational in 2023 and the factory will be completed by 2027. The massive new complex will include a warehouse, press hall, process hall, powder production, energy station and offices. The two factories together will eventually have a

production capacity in excess of 20 million square metres annually.

Given that the Woodura® surface technology maximizes the amount of product that can be manufactured from every log, it is possible to see that Välinge's capacity in the future is going to be truly impressive. Ten times more flooring can be produced from the same amount of timber, compared to traditional engineered wood flooring and 30 times more flooring compared to solid wood flooring. The surface created also provides outstanding impact and wear resistance, making hardened wood floors truly worry-free.

The patented Woodura technology involves the fusing of a thin sheet of real wood with a wood fibre core through a powder mix layer. Compared to traditional wood flooring, the durability of the wood wear layer is massively increased.

In the UK, Välinge Innovation is headed up by General Manager Simon Darbyshire and National Key Account Manager for UK & Ireland, Richard Banham.

"We are now once again able to offer something very new to the market with our latest range of finished hardened wood flooring products in XL and XXL sizes," says Simon.

01948 302270

www.valingeflooring.com



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Newton Waterproofing saves double basement failure in Notting Hill

Newton Waterproofing and their Specialist Contractor Stonehouse have delivered an exceptional waterproofing design and installation for a large, two-level basement in Notting Hill, resulting in a stunning watertight and guaranteed new living space beneath the home. The UK's leading suppliers of guaranteed waterproofing systems were approached by the desperate client who had had a second basement level excavated beneath their existing basement as well as the front and rear gardens.

Unfortunately, bad waterproofing design and workmanship meant the basement had flooded immediately upon completion – the builder ceased trading and, following a legal case, the architect and structural engineer were found culpable.

Newton Waterproofing managing director Warren Muschialli comments: "The experts at Stonehouse identified a litany of issues, from the weak, permeable structure to the



lack of continuous waterproofing between levels, the inadequate pumping system, the blocked cavity drain system, and the non-existent external deck waterproofing and drainage, amongst others."

Once structural reinforcement had taken place, Stonehouse proceeded by reinforcing dry pack joints with HydroSeal 313-WP and HydroSeal 103 2K, sealing voids and structural weaknesses with Newton Injection Resins, and preparing all internal surfaces before spraying HydroSeal 103 2K.



They then adhered insulation beneath soffits, providing an integral vapour barrier, installed a full Newton CDM System with a dedicated Titan-Pro sump chamber, dual NP750 pumps and Victron battery backup protection. Finally, both decks were waterproofed with Newton's liquid primers and membranes, overlaid and protected by a NewSeal 408 DeckDrain membrane.

01732 360 095
info@newtonwaterproofing.co.uk



Pentland Homes purchasers praise appearance of Marmox niches



A prestige housing project in New Romney, Kent, has seen a leading developer make extensive use of the prefabricated wall niches which have recently been added to the range of bathroom and wetroom specialist, Marmox: saving time and cost while facilitating the completion of luxurious interiors for the properties' new occupants. Mulberry Place is a beautifully landscaped development of 150 new properties by Pentland Homes. As a highly experienced contractor and developer, Pentland is always seeking to adopt new technologies which can help deliver schemes on time and to budget and is installing more than 250 of the Marmox units in two different size options. This figure includes 238 of the manufacturer's 305 x 305mm option and a further 29, 305mm wide by 711mm tall niches: with both being built into the internal timber studwork of the mainly masonry constructed homes. The Site Manager for Pentland Homes, Glynn Pogue, commented: "The Marmox niches are being well received by the purchasers who like the appearance and the usability of the recesses for storage. They have definitely been a success from that point of view."

01634 835290 www.marmox.co.uk



OMNIE whole-house solution for Devon barn conversions



The conversion of three stone-built agricultural buildings near the beautiful Devon town of Totnes is employing a full selection of renewable and low-energy technologies from the range of Exeter based manufacturer, OMNIE, to create a comfortable living environment. The hundred year old buildings at Ritson Farm are being renovated and turned into highly desirable rural retreats by The Dartmouth Building Company. Each of the luxury homes is to be heated by an LV air source heat pump, which will be connected via multi-branch manifolds to OMNIE's Staple underfloor heating system across the ground floors with the company's LowBoard being specified to warm the upper levels. Then to maximise fuel efficiency and help guarantee a healthy indoor living environment, a constant supply of pre-warmed and filtered fresh air will be supplied via one of OMNIE's Zehnder ComfoAir mechanical ventilation with heat recovery (MVHR) units. As well as installing internal wall insulation, the vaulted roofs to the early 20th century buildings have been fitted with 150 mm of Celotex and a layer of TLS Gold Multifoil incorporating a breather membrane.

projects@omnie.co.uk www.omnie.co.uk



BBA Accreditation for Delta MS 500 Fire Retardant

Delta Membrane Systems is delighted to announce its Delta MS 500 Fire Retardant, Type C (basement/below ground waterproofing membrane) has been awarded BBA accreditation.

The Delta MS 500 Fire Retardant is the only Fire Retardant, Type C Membrane with BBA accreditation available in the UK market, and the only Type C waterproofing membrane with a B-S2, d0 Euroclass fire rating (EN 13501-1:2018).

Delta MS 500 Fire Retardant can be located under Certificate 00/3742, Product Sheet 7.

Delta Membrane Systems Limited is driven by quality, exceptional customer service and technical expertise. Delta MS 500 Fire Retardant's BBA accreditation further builds on Delta's already impressive portfolio of BBA accredited structural waterproofing products.

Who is BBA?

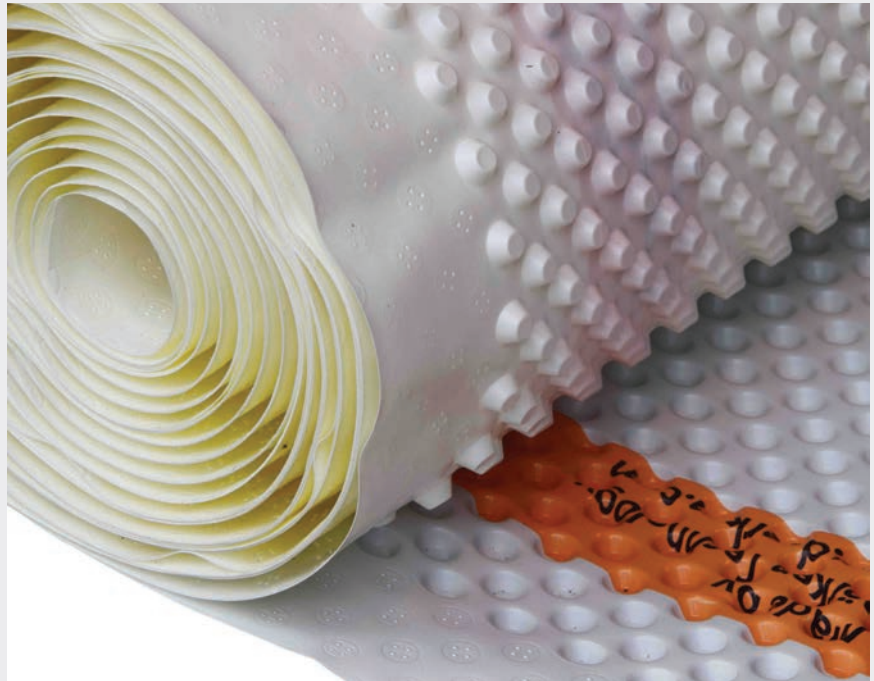
With a technical integrity founded on an independent approach the British Board of Agrément (BBA), is an industry recognised certification body for construction products. With a 50-year legacy of expertise and independently-lead research, auditing, inspection, testing, and certification, offer the construction industry confidence in products new to the UK market.

BBA Accreditation – MS 500 Fire Retardant

For Delta MS 500 Fire Retardant membrane to have BBA accreditation, its associated products Delta Ultra Fix (fixing plug) and Delta Fire Retardant Fleece Tape have also been extensively tested to ensure the complete waterproofing system is durable and fully compliant.



Installation of Delta MS 500 Fire Retardant, Type C waterproofing membrane system



What is a Type C membrane?

Cavity Drain Membranes (Type C Systems) are a maintainable waterproofing solution in below ground applications, suitable for new-build, refurbishment and retrofit projects.

British Standard 8102:2022 (BS 8102:2022, 'Protection of below ground structures against water ingress. Code of practice' defines 'Type C' waterproofing as "drained protection," where the structure itself provides primary resistance against water penetration and incorporates a drained cavity system within the basement structure.

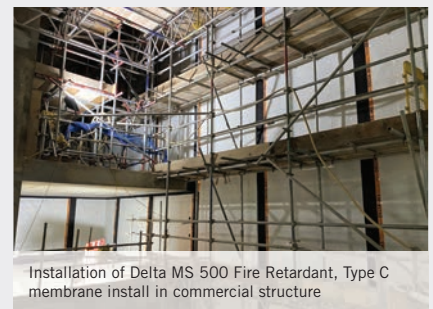
About Delta

"At our very core, we are driven by a diverse team of waterproofing professionals that are dedicated to innovation and are enthusiastic about creating integrated, maintainable, and robust solutions."

At Delta Membrane Systems Limited, the company provides specialist structural waterproofing solutions, covering Types A, B and C waterproofing, combination waterproofing, damp proofing, flood resilience and ground gas protection.

With over 125 years of manufacturing experience, Delta is an impeccable partner on every project. 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.

01992 523 523 info@deltamembranes.com



Installation of Delta MS 500 Fire Retardant, Type C membrane install in commercial structure



Divine insulation for repurposed Glasgow Church

A redundant Glasgow church with historic connections to former US President Ronald Reagan has been given a comprehensive makeover with the help of high-performance spray foam insulation from Huntsman Building Solutions.

Castlehead Church, an imposing, stone built Presbyterian Church in Paisley, SW Scotland which dates back to the late 18th century, had lain empty since its closure in 2010.

Local historic records link the Church to both Robert Tannahill, a popular poet from Paisley and contemporary of Scotland's National Poet Robert Burns, and former US President, Ronald Reagan who, with his Wife Nancy, visited the Church in 1991 to view the grave of his great-great grandparents who are buried there.

Glasgow based property developer, Clevedon Homes Ltd recognised the potential of the now empty building and in 2017, submitted plans to convert the site into luxury apartments. Alex McGurk of Clevedon takes up the story.

"The basic shell of the building was still in good shape despite being well over 200 years old. It's a rectangular plan gable

hall structure with rubble walls and ashlar dressings. The fenestration is impressive with an imposing door to the main gable, flanked by tall windows and five tall windows to both of the side walls," said Alex.

Cold and draughty

As with similar buildings constructed centuries ago, the builders of old thought little of how to prevent heat loss through both walls and roof of the building. Alex continues. "Churches throughout the country have a reputation for being cold and draughty places and Castlehead was no different. Our top priority was making the structure as airtight as we could and brought up to a high standard of thermal insulation"

Clevedon brought in insulation specialists JSJ Foam Insulation of Eaglesham, Glasgow for guidance. Jim Shearer of JSJ recommended insulating the entire inner surfaces of the building with H2Foam Lite, a breathable spray foam insulation system from Huntsman Building Solutions [HBS].

HBS H2Foam Lite, open-cell insulation

H2Foam Lite is a high-performance spray applied foam insulation, originally



H2Foam Lite, a breathable spray foam insulation system from Huntsman Building Solutions

developed in Canada to cope with their severe winter conditions and now manufactured at Huntsman's facilities in Kings Lynn. According to Jim Shearer, the system is now widely used in Scotland and the rest of the UK in both commercial and residential buildings.

H2Foam Lite is a flexible "open cell" material with an elastic, yielding texture. It provides outstanding levels of thermal insulation yet allows the building to breath naturally, resisting internal condensation and



Castlehead Church, Paisley, had lain empty since its closure in 2010.



The entire church interior was stripped out prior to repurposing



Layout of the proposed floorplan comes together

at the same time eliminating air leakage – more commonly known as draughts.

“Up to 40% of a buildings heat loss can be attributed to air leakage,” said Shearer, “so it’s vital that reducing air leakage is included in any programme of measures to improve a building’s thermal performance.”

H2Foam Lite is installed using a pressurised gun system. Foams are applied as a two-component mixture that come together forming a foam that expands 100-fold within seconds, closing off all gaps, service holes

and hard to get to spaces that conventional insulation materials fail to reach.

Low environmental impact

Unlike the polyurethane foams of 20 years ago, modern spray foams such as H2Foam Lite uses water as the blowing agent. This means that the reaction between the two components produces a small amount of CO₂ which causes the foam to expand. Cells of the foam burst and the CO₂ is replaced by air. From an environmental perspective, H2



External walls were lined with timber studwork to accept insulation

Foam Lite has a Global Warming Potential [GWP] of 1 and an Ozone Depletion Potential of 0 [Zero]

Insulation was applied to the inside of all external walls as well as the roof structure. Walls were sprayed to a thickness of 165mm between timber studwork and to a thickness of 320 mm within the pitched roof.

Studwork dividing walls within the building were also insulated to provide a high level of both thermal and acoustic insulation.

Spray foam converts

Clevedon has created a development of seven luxury 1, 2 & 3 bed apartments over four floors with ground floor parking and lift access to floors above. There is approximately 1000 sqm of floor area overall.

Commenting on the use of spray foam insulation, Alex McGurk said; “Speed of installation and minimal waste were key factors in our decision to use spray foam. That and the overall lower cost of spray foam, because we didn’t need to commit trades to the time-consuming process of cutting and fitting rigid board type insulation really clinched it. We are spray-foam converts!”

Clevedon are progressing well with the Castlehead Church repurposing project and anticipate completing in winter 2022.

For more information about HBS H2Foam Lite products please visit www.huntsmanbuildingsolutions.com/en-GB/products/open-cell-insulation

0485 500 668

www.huntsmanbuildingsolutions.co.uk



Insulation was applied to the inside of all external walls as well as the roof structure



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Renowned sealing solutions for bathrooms, wet rooms and showers

Wedi provides precision-engineered complete system solutions for wet environments equally suited for refurbishment and new build projects. wedi's floor-to-ceiling system solution, complemented by its new product line of seamless surface finishes, now offers a throughout protection against mould and fungi at both substrate and surface level – from a single source.

Directly tileable wedi elements, manufactured with at least 25% recycled XPS core material, are 100% waterproof to the core, thermally insulating, stable and load-bearing. The new range of seamless wedi Top design surfaces, manufactured 100% from recycled materials, provide a warm to touch, hygienic, non-slip surface finish.

The strength of the brand however is in the detail. Industry famous wedi accessories, such as the wedi 610 adhesive sealant, are famous for their versatility, functionality and practicality. Take the wedi Subliner range as an example – as a perfect complement to wedi building boards – it is renowned for quick and reliable waterproofing and/or decoupling of walls and floors.

The manufacturer knows all too well, that regardless of the final design of the shower area, walls are either plastered masonry or often fully clad with plasterboard. Its brand new, comprehensive product set is the perfect solution for reliable sealing of such walls in wet areas. The wedi Wall sealing set



contains everything that is needed to seal a 7.5 m² surface: wedi Subliner Dry sealing membrane along with sealing tapes, sealing gaiters and a 2-component joint sealant. This specially tailored set is a perfect complement to wedi Fundo shower elements, creating a secure and functional shower enclosure, and – beside the 10 year product quality guarantee wedi offers for each and every product in their standard product range – such installations would also be awarded not only with a CE mark but also, a full wedi system warranty.



However, wedi building boards are strongly recommended for such installations that require levelling, thermal insulation or planned to receive large format tiling or stone as a surface finish. Their excellent thermal (0.036 W/mK) and loadbearing (133 kg/m²) capabilities set them apart from other foam tilebackers on the current market. They are solid and stable; from 50 mm thickness, they are approved for use as partition walls! With a wide range of thicknesses ranging from 4 mm to 100 mm, they are suitable for all types of installations such as tailor-made washstands, benches, shelving etc. What is more, they can be easily cut to required dimensions with very little, non-hazardous dust and come with their own Environmental Product Declaration – for perfect compliance with sustainable building.

0161 864 2336 enquiries@wedi.co.uk
www.wedi.net/uk



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Gilberts helps Gleneagles deliver understated luxury in historic setting

One of the world's most iconic hotel brands is diversifying into the city with the opening of the Gleneagles Townhouse. The air of understated luxury which will pervade all areas of the historic building will be delivered courtesy of Gilberts' ventilation control throughout the guest areas.

In St Andrew Square – a world heritage site in the heart of Edinburgh – the new venue features 33 individually-designed bedrooms, an all-day restaurant, members club, roof terrace and spa & wellness centre, carefully created within the Grade A listed building to preserve the classical architecture dating back to the 1850s.

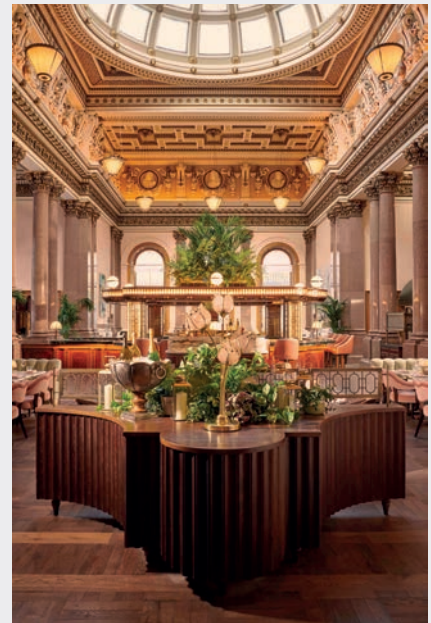
Environmental Design Consultants Atelier Ten had to design the ventilation solution with care to deliver the levels of fresh air required in the boutique hotel environment without adversely impacting on the elaborate plasterwork and interior décor. It turned to Gilberts (Blackpool) to deliver.

Air supply has been achieved through a combination of DGA louvre face diffusers (plaster-in version), and LGN linear bar grilles with concealed fixing in runs up to 2m long. The combination ensures compliant levels of ventilation with a discreet visual appearance and clean horizontal air distribution pattern.

Linear bar grilles and GECA egg crate grilles return the air for extraction through to WGC external louvres discreetly integrated into the windows. In its in-house state of the art powder-coating facility, Gilberts finished many of the grilles satin black, chosen to deceive the eye and blend the grilles into the interior décor.

Toilet areas feature Gilberts' GX air valves.

Gilberts' Ductgard fire and smoke dampers and associated controls complete the portfolio of solutions. Ductgard has been specifically engineered to provide up to four hours' protection against smoke and fire, in one unit, in most ductwork. Fully tested, it is certified to BS EN1366-2.



01253 766911 info@gilbertsblackpool.com



Acoustic scheme for historic Standon Hall

Acoustic insulation experts CMS Danskin Acoustics have worked with historic Standon Hall to specify and supply a range of acoustic products to reduce the impact of airborne and impact sound transmission in the Grade II* listed Staffordshire venue. During the course of redeveloping the early 20th Century country house into a high-quality wedding and business venue, Standon Hall made acoustics a key element for investment.

CMS Danskin Acoustic's in-house technical team conducted a site assessment in order to specify an insulation strategy to address structure borne noise and absorb sound.

The objective was to prevent noise transfer between ground floor functions rooms and nine bedrooms and suites above. Andrey Magiy, Standon Hall's MD, said: "It was as important to prevent sounds from above being heard in meetings and conferences below, as it was to prevent noise from ground floor functions filtering up into the bedrooms."

The resulting acoustics strategy from CMS Danskin Acoustics involved the installation of



Picture courtesy Standon Hall

600 square metres of Smartspan floor panels, Karma TNF70 high density stone-fibre batt and REGUPOL acoustic isolation strip.

Andy Hayes, CMS Danskin Specification Manager and IAO Affiliate, said: "Smartspan panels span across bearing structures such as, in this case, joists. They provide high acoustic performance, are easy to install, come in different thicknesses, such as

the 32 mm and 18 mm used at Standon Hall, and have a reaction to fire classification (EN 13501-1) A1."

"Smartspan was also valuable for use in bathroom floors as it has excellent thermal conductivity making it ideal over UFH systems, has surface water absorption of only (EN20535) <300 g/m², is suitable for stone and ceramic finishes and, with a tongue and groove profile, it is straight forward to install."

REGUPOL Acoustic Isolation Strip was also incorporated to reduce impact noise from first floor footfall. The strips are designed to sit beneath all types of partition walls and are a simple and effective way to reduce structure borne noise. Quick and easy to install, they provide long term performance without collapse or 'bottoming' out under high point loads, are resistant to ageing and deformation, are manufactured using recycled materials and are 100% recyclable. Karma TNF70 was also specified in places.

www.cmsdanskin.co.uk
www.standonhall.co.uk



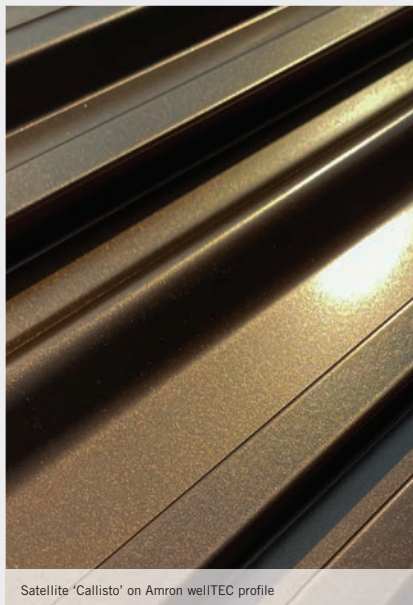
'Satellite' – Powdertech's unique lustrous finish with an iridescent gleam

Powdertech (Corby) Ltd has launched its latest powder coating Collection, 'Satellite'. The range is made exclusively for Powdertech to the company's visual and technical requirements and conforms to BS EN 12206-1 standards and Qualicoat specifications.

These finishes have mesmerising metallic and pearlescent effects with a depth of colour unrivalled in a one-coat application. The mid-sheen finish, with vibrant flashes of light set in a rich colour, is so intense that it looks like a million satellites in the sky, hence the name.

Development of the range arose from a casual conversation between Powdertech and Amron Architectural, one of the leading players in metal mesh for architecture and interior design.

Richard Besant, Director at Powdertech, explains: "Amron mentioned the frustrations of anodic coatings and the difficulty in finding a powder coating that offers a similar depth of colour and layered iridescent



Satellite 'Callisto' on Amron wellTEC profile

effect to anodising. That set us thinking, and the result was the Satellite range, launched this month."

Amron is delighted with the range and used it, pre-launch, on the profiled sheet walls of the company's stand at the Surface Design Show in February. Using 'Callisto' from the Satellite range, the undulating surface of the profiled sheet was wonderfully enhanced as light bounced off the glittering finish.

Satellite finishes are suitable for internal and external applications and can be applied to most metallic substrates. It is a range that stands alongside anodising, bronzes and golds as a high-quality, flexible, unique and economic finish with excellent durability and colour stability. Samples can be ordered through the website at www.powdertechcorby.co.uk/services/colour-library/satellite

01536 400890

www.powdertechcorby.co.uk



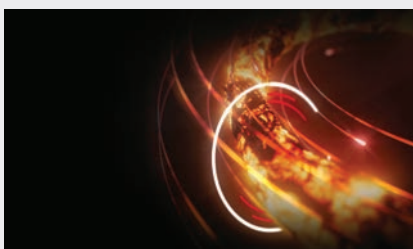
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ROCKWOOL® launches NyRock® technology to create lowest lambda stone wool in the UK

As pressure mounts on the construction industry to deliver more thermally efficient buildings while preserving standards of fire and acoustic performance, ROCKWOOL has launched NyRock technology, an evolution in stone wool composition that delivers the lowest lambda stone wool insulation available in the UK.

Created using a new patented production process, this next generation stone wool insulation has a more efficient fibre structure that can deliver thermal conductivity as low as 0.032 W/mK. Critically, this means that U-values can be met with comparatively thinner constructions, which in the case of external wall applications, creates the potential for additional interior floor space over a given building footprint.

Alongside its improved thermal efficiency, NyRock technology still delivers all the additional benefits of stone wool insulation including durability, the ability to be recycled indefinitely, and acoustic and fire



performance. Comprising naturally non-combustible volcanic rock, ROCKWOOL solutions powered by NyRock technology achieve Euroclass A1 – the highest possible rating – and can withstand temperatures in excess of 1,000°C.

NyRock technology will be rolled out across a range of ROCKWOOL insulation solutions during 2022.

Paul Barrett, head of product management at ROCKWOOL UK said: "To limit the impact of climate change and support the delivery of net zero carbon in the UK by

2050, it's the responsibility of manufacturers like ourselves to go further, re-inventing and improving on existing solutions. NyRock technology does just that."

"While stone wool insulation is already known for its proven benefits such as longevity, ease of install, circularity, and non-combustibility that is crucial for protecting people and properties, our patented technology builds on these advantages further."

"Whether specifiers need a solution to the lower U-values of England's new Approved Document L that also maximises floor space, or a non-combustible option for a high-rise property with enhanced thermal and acoustic performance, NyRock technology's industry-leading lambda value for stone wool and ability to reduce the thickness of a construction element support those requirements."

01656 868 400 rockwool.com/uk/nyrock



LISTEN HERE

Nordic Green Copper Aurora

This contemporary cottage, built in a stunning seashore location on the Lyngen peninsula – a protected heritage area well within the Arctic Circle and one of Norway's National Parks – is defined by its respect for nature and restrained material palette of Nordic Green copper clad walls and roofs, seamless glazing and timber.

Snorre Stinessen Architecture's design for the new Aurora Lodge retreat aims to embrace the stunning panorama across the sea and a close connection with nature, while retaining privacy. Conceptually, the design is based on a natural platform in the landscape



providing a continuous floor for the main building, both internally and externally. This platform is then protected by an angular canopy, forming the eastern wall and roof – clad entirely in Nordic Green copper – providing high indoor ceilings.

The copper enclosure contrasts with wide-open views of the surrounding nature – including the northern lights in winter – through extensive, seamless glazing. The same approach is taken with the two outbuildings, also enveloped with Nordic Green copper. Careful detailing and installation have resulted in graceful transformations between copper planes.

In terms of materiality, Snorre Stinessen explained: "Copper was chosen for its durability – particularly close to the sea and with air salinity – but also for its permanence, quality and beauty. The fact that copper is a natural material and, of course, 100% recyclable are for me important factors – and certainly its longevity is often overlooked".

The extensive Nordic Copper ranges offer patinated copper surfaces straightaway that would otherwise take many years to develop



Photos: Snorre and August Stinessen



in the environment. Nordic Copper is available from Aurubis – part of the world's leading integrated copper group and largest copper recycler.

NordicCopper@aurubis.com
www.nordiccopper.com



Sustainable restoration with Nordic Copper

Although a thoroughly modern material offering limitless possibilities for contemporary architectural design, copper is also – of course – one of our oldest building materials, covering the domes and spires of city skylines. Nordic Copper Special Patina has been developed specifically to help with repairs, restoration or extensions to historic copper buildings.

Copper's unique architectural qualities are defined by different stages of oxidation and patination, which can take decades to develop. But the 'Nordic Copper' range provides them straightaway and the factory processes involved are generally similar to those taking place over time in the environment – utilising copper mineral compounds, not alien chemical processes. The surfaces form an integral part of the copper, generally continuing to change over time, and are not lifeless coatings or paint.

With Nordic Copper Special Patina, unique pre-patinated copper material can be produced to match naturally patinated copper, especially for historic buildings. An original sample taken from the building is



used but initial development can be started with photos using the Special Patina Tool (from www.nordiccopper.com). Once a specific patina mixture has been established and product supplied, the project mix is retained in case of follow-up orders.

Aurubis can also recycle the original copper removed from a project. Copper's ability to be recycled repeatedly, without any loss in performance, is an important sustainability benefit. All Nordic Copper architectural



products are manufactured using 100% recycled raw-material and Aurubis is part of the world's leading integrated copper group and largest copper recycler.

A growing series of 'copper stories' – building studies exemplifying the best in contemporary architecture – showcase the diversity of surfaces, forms and applications available with Nordic Copper today.

g.bell@aurubis.com www.nordiccopper.com



Crittall's thermally broken T60 – a 21st Century solution

Steel window and doors manufacturer Crittall are reporting a surge in demand for its T60 range.

T60 is an innovative, thermally broken steel window and door system that combines the aesthetics of the company's traditional and much-loved fenestration solutions with 21st century levels of thermal and acoustic performance. The range incorporates an advanced, high-density polyurethane thermal barrier isolator, which facilitates the use of high-performance double- and triple-glazing up to 37mm wide. This ensures that T60 windows and doors exceed the demands of the Building Regulations, while remaining almost identical – in visual terms – to Crittall's traditional rolled steel profiles.

By employing thermal break technology, T60 can provide contemporary comfort levels in environments where traditional steel windows may have previously struggled. Equally importantly for architects and their clients, the windows and doors retain slim

sightlines, maximising both visual appeal and daylighting. Fitted with high-performance insulating glass, T60 will provide a whole window U-value as low as 0.8 W /m²K. Sound reduction over 40dB can be achieved using laminated sound-reducing glass. Each frame is fully welded ensuring strength and durability. As specifiers would expect from Crittall, T60 complies with the latest EN performance standards relating to air filtration, water permeability and structural wind-resistance.

The functionality of T60 is further boosted by a wide range of opening configurations comprising side, top and bottom; inward or outward; vertical and horizontal pivot (for the classic warehouse aesthetic); and double-leaf inward or outward opening doors. Tilt and turn options, together with reversible pivots and folding-sliding formats, will be unveiled later this year.

T60's visually clean and slender design means that it is ideally suited to



both newbuild and restoration projects. Traditional aesthetics ensure that the profile can be specified with confidence on listed buildings and projects in conservation areas.

Blue Chip Project

A new building in the grounds of historic Trinity College, Oxford, illustrates how T60 helps marry 21st Century environmental performance seamlessly with traditional aesthetic requirements.

Crittall's T60 thermally broken steel windows make a major contribution to the Levine Building's sustainability credentials.

01376 530800 www.crittall-windows.co.uk



Senior makes waves at new development

A new luxury residential apartment scheme in Southend-on-Sea in Essex has combined a classic Art Deco design with a modern aluminium fenestration package, featuring doors, windows and curtain walling solutions from Senior Architectural Systems.

The new Clifftown Shore residential development boasts a stunning location close to both Southend-on-Sea's seafront and the nearby Conservation Area, which encompasses some of the coastal city's most celebrated local architecture including the 1912 built Cliff Lift funicular railway. Taking inspiration from the Art Deco style of the neighbouring buildings and the beauty of the natural landscape, the undulating 'waves' of the white concrete framed building have been further accentuated by the curved installation and slim sightlines of Senior's thermally-efficient SF52 aluminium curtain wall system.

The stunning views from the individual



apartments have been framed using Senior's patented PURE® tilt and turn aluminium windows, with PURE® SLIDE aluminium doors providing access to the outdoor terraces. The thermal efficiency achieved by Senior's PURE® aluminium system has been further enhanced with the use of energy-efficient triple glazing.

The main entrance to the development features Senior's aluminium PURE® Commercial Doors to provide safe and secure access. As well as contributing to a more energy-efficient building envelope, with all of Senior's aluminium windows and doors comfortably meeting the new lower U-value targets of Part L of the Building Regulations, the use of the PURE® system also offers improved acoustic performance.

Owing to the coastal location of the development, Senior's aluminium fenestration systems were powder-coated in marine grade Matt Black to offer additional protection from the elements and provide an attractive contrast with the white building design. The installation of aluminium brise soleil, also powder-coated to match the aluminium windows, is both an attractive and practical feature, and will provide solar shading and protection against solar gain.

Designed by LAP Architects and built by Cura Construction, all of Senior's aluminium fenestration solutions were fabricated and installed by supply chain partner Glass & General. Set on the former site of a pub and a fish and chip shop, the stunning new



Clifftown Shore residential development has breathed new life into the Western Esplanade in Southend-on-Sea. In addition to the 51 luxury one, two and three bedroomed apartments, the development also features a ground floor restaurant and cocktail bar.

01709 772600 www.seniorarchitectural.co.uk

Who says timber windows are high maintenance? 20 years and no touch ups at Kings Cross!

Over 20 years ago, plans came to fruition for a large redevelopment of the Kings Cross area of London. The regeneration of the surrounding buildings became a catalyst for further development and in changing the overall area.

Regent's Quarter was the first area to begin development and this is when George Barnsdale entered the scene, installing approximately 350 sliding sash windows and 40 doors to remain in keeping with the history of the area.

Two decades later, the outstanding quality of George Barnsdale's products is evident in how well the windows and doors have stood the test of time. Though some are in need of a good clean, the timber and the paint finish is still perfectly intact despite no recoating having taken place in that time.

"They have very good thermal and acoustic performance even by today's standards, with exceptional coating performance. We don't know of any glazing



unit failures. In the late 90's we developed a drained and vented glazing system which allows the double-glazed units to perform very well." Commented Stephen Wright, George Barnsdale.

Exceptional long-term performance doesn't only rely on our 4 coat painting process but with good design and paying particular attention to all the smaller details that enhance the life of the coating.



One of the main reasons the products are performing so well after such a prolonged period is the paint process which is an advanced four stage coating system. Superior to most companies' three stage process, the Barnsdale process provides extra protection to the timber and a superior finish.

01775 823000
www.georgebarnsdale.co.uk



Public realm regeneration with permeable paving

A new case study from Interpave explores recent urban realm regeneration projects in Tottenham, London exemplifying the synergy of concrete block permeable paving and street trees to address climate change while delivering SuDS. It demonstrates important new techniques applicable to all urban areas.

The regeneration of White Hart Lane in north Tottenham, by muf architecture/art, was a pilot designed using 'Healthy Streets' principles. But it also applies innovative sustainable drainage (SuDS) techniques introduced by design collaborators Robert Bray Associates. This approach reduces flooding and pollution through the integration of bioretention raingardens to collect and treat polluted road runoff. In addition, extensive concrete block permeable paving surfaces not only act as SuDS elements – attenuating and treating rainwater runoff – but also enable essential air/CO₂ exchange and optimised water supply for tree roots,

using a range of techniques.

A new, concrete block permeable paved, adopted highway accepts runoff from White Hart Lane and other impermeable surfaces. At two points, structural tree pits span the full width below the road surface, connecting road-narrowing tree planters on each side, based on the 'Stockholm Solution' for urban tree planting. At the nearby renovation of Broad Lane Square, the same designers take forward these principles with further innovations. In particular, 'inverted raingardens' protect existing trees and new green infrastructure, supplied with a gradual supply of clean water from extensive concrete block permeable paving catchments.

Concrete block permeable paving – whether full-construction with storage sub-base or applied as an overlay to an existing impermeable road base – works in synergy with trees. It collects available rainfall, including away from the canopy, and conveys it to trees and can be used over standard tree



pits, proprietary tree planters, Stockholm System or other structural soil installations. Concrete block permeable paving technology will prove invaluable in delivering the street trees now demanded by planning policies for developments, as well as regeneration.

0116 232 5170 www.paving.org.uk

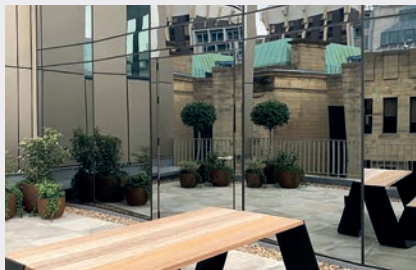


Frameless structural glass specialist installs Kestrel 'invisible' flush glazed mirror door

Contemporary Glass Structures a company which specialise in frameless structural glass products were selected to manufacture and install a flush glazed mirror door for a 4th-floor terrace glass facade as part of extensive renovations of a commercial office building in the heart of Manchester's professional district.

Andy Howells of Contemporary commented: "The client wanted the door to almost disappear within the glass facade externally. The contractor's curtain wall supplier could only do a standard framed door, not what the architect and client wanted." Drawing on their experience in the fenestration industry Contemporary offered a bespoke solution and specified the Kestrel Aluminium residential door system as the base for the project."

"The geometry of the door hinges gave the best external glass to glass gap at the hinge position without the glass on the door leaf clashing with the glass which is silicone



bonded to the outside of the outer frame. Also, the slim minimalistic design of the hinges worked well with the aesthetics of the design, meaning they sat in line or just behind the outer glass surface line."

The robust sturdy nature of the PAS 24 accredited Kestrel door with its double mechanical spring cleats to each mitre joint also gave the team the confidence to attempt this design for this size of door which at 1200 mm wide x 2600 mm high weighed nearly 100 kg.

Contemporary installed a door closer to stop the outwardly opening door from catching in the wind and opening too far (past 110°) which would cause the glass to clash and destruct. A stainless-steel boss was machined to space the external handle mounting face away from the door by 14mm to allow for the thickness of the external stepped glass and the silicone bond.

The door frame was powder coated with a special, not readily available TIGER Drylac® colour. The glass specified was Guardian Glass HD20 "made to order" product. Contemporary worked closely with their specialist suppliers to meet the specification and match the building's glass facade, whilst completing the installation within the construction schedule. Andy Howells commented, "the client is delighted with the final result, it has been a challenging but well worthwhile project."

0121 333 3575 www.kestrelaluminium.co.uk



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Norcros Adhesives new Rock-Tite 'How to' video

Norcros Adhesives has introduced a new 'How to' video to support its Rock-Tite product.

Norcros Rock-Tite Exterior Porcelain & Stone System is a three-part product for fixing 20mm external porcelain and stone tiles, which are currently growing in popularity. The Rock-Tite

system comprises a Primer, a Mortar and a Brush-In Grout. The system is designed for use by landscapers and garden designers, as well as tile fixers and self-builders, and capitalises on a key trend in the tiling market currently. This is where internal tiled space is being extended to terrace or patio areas outside a building, as a lifestyle trend.

The video uses both animations and footage shot on location to demonstrate clearly how straightforward the product is to use. It takes the viewer through the three simple steps to achieve a great result using Norcros Rock-Tite – Prime It, Bed It and Grout It.

One of the main benefits of the Norcros system is that it is easy to use by a DIY enthusiast, landscaper or general builder, who may not have specialist tile fixing experience.



The video is part of the company's commitment to provide ongoing support for all its customers, increasing their product knowledge and encouraging correct usage.

Along with Norcros Adhesives' other How To Videos, Animated Videos, Top Tips and CPD Videos, this latest one is available to watch on the company's YouTube channel at: www.youtube.com/watch?v=X3uqMEGi7Y

01782 524 140
www.norcros-adhesives.com



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Resapol – Northwood Town Wall

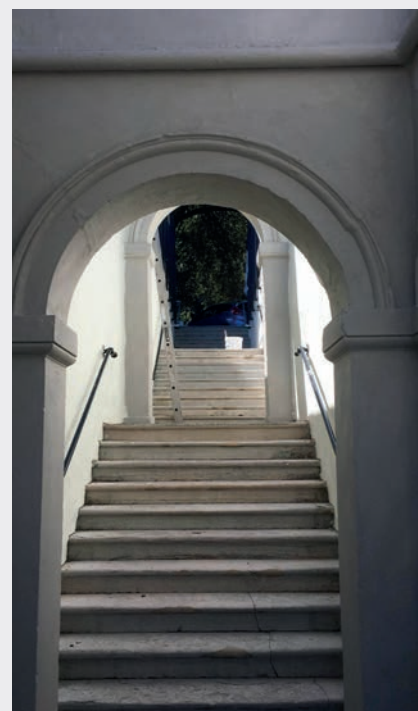
Resapol, the UK's trusted supplier of Specialist Construction Products, recently worked with existing customer Northwood House Charitable Trust for the recommendation of suitable products for the renovation of the Town Wall Entrance to Northwood House, situated in Cowes Isle of Wight. This included the old, narrow and steep steps leading to the former Nun's quarters. The structures were in need a fresh coating in order to protect them from weather conditions and the elements. Structures surrounding the area had also fallen victim to graffiti, which had unfortunately defaced several locations. Northwood Trust sought solutions that were easy to use, provided a professional finish, whilst providing long lasting protection.

After consulting with Resapol Southampton's technical sales team, Intercrete 4891 (formerly Flexcrete Monodex Smooth) and Sikagard®-850 Clear Anti-Graffiti were put forward and subsequently chosen as the most suitable products. Intercrete 4891 is a high-performance water based, elastomeric, high build, decorative coating which provides

protection against carbonation and water ingress, yet allows damp substrates to breathe. It is ultra-fast drying which enables two coat applications to take place on the same day and facilitates year-round usage. It also comes in a range of attractive colours, including the pebble grey and pastel white colours that were selected for the project.

To deal with the graffiti Sikagard Anti-Graffiti system was utilised on top of the Intercrete system. Sikagard®-850 is a one-part ready to use permanent anti-graffiti and anti-fly poster semi-matt coating. The product requires no dilution; once applied to a substrate any subsequent graffiti applied can be removed easily and quickly using a simple cold-water pressure sprayer without damaging the protection or requiring a refresher coat.

The materials supplied have performed exceptionally well, far exceeding their initial expectations in terms of effectiveness and longevity. Northwood Charitable Trust are extremely pleased with the results and the project has also since won an RIBA award.



0800 083 1942 www.resapol.com



Hörmann Glazed Section Doors light up high-end garage project



With a number of luxury cars and motorbikes to house, an impressive new-build garage project in the West Midlands is all the more striking with the inclusion of fully glazed ART42 sectional garage doors from Hörmann UK. Chosen for their modern design aesthetic and German build quality the doors were specified and installed by Birmingham based Doorfit. The double-storey garage, which includes a home office and gym on the first floor, is fitted with three, 2.5 m wide x 2 m high, fully automated ART42 sectional doors. Constructed from a lightweight, yet strong, aluminium framework the three doors include narrow framed, large clear glazing panels featuring the unique Hörmann DURATEC scratch-resistance finish. An innovative surface coating, DURATEC protects the glazing panes from scratches and damage caused by cleaning over the long-term, helping to guarantee a permanently flawless appearance. Finished in a smooth, modern Anthracite grey the three doors complement the other materials used and complete an impressive building ideal for displaying the clients' extensive vehicle collection and offering a bright unimpeded view.

01530 516868 www.hormann.co.uk



Cut-to-falls multiboard helps drain top floor balcony



An experienced builder and roofing contractor has made use of some 300 standard and tapered Marmox Multiboards to complete a complex refurbishment of a large, top floor balcony on an apartment building in North London. Lightwood Construction carries out work for mainly residential clients right across the capital and has used Marmox Multiboards on many occasions in the past for both interior and exterior applications. In this instance, long term exposure to the weather and ponding had caused the original waterproofing system to deteriorate, and leaks to occur. Having stripped off all of the rotten felt and boarding, Lightwood Construction's operatives installed 90 sheets of 20 mm thick 1250 mm x 600 mm standard Multiboards, along with 200 of the 1200 mm x 1200 mm cut-to-falls variant which taper from 33 mm down to 10 mm: enabling subtle gradients to be created in draining the balcony to multiple outlets. In completing the repairs to the 14.5-metre-long balcony, Lightwood Construction used 50 rolls of the 120mm wide waterproof tape and 96 tubes of Marmox's 360 Multipurpose Adhesive, all purchased from Travis Perkins.

01634 835290 www.marmox.co.uk



Senior helps revolutionise Newcastle's former industrial area

Senior Architectural Systems has supplied the full fenestration package for a new mixed use scheme in Newcastle, providing a combination of its high-performance aluminium windows, curtain wall and door solutions.

Created as part of the wider regeneration of the former industrial area of Ouseburn Valley, Lower Steenberg's Yard is a four-storey development comprising ground floor commercial office space and 28 residential apartments on the floors above. Benefiting from stunning riverside views of the Ouseburn, a small tributary of the River Tyne, the scheme

has been designed by Xsite Architecture and constructed by Esh Construction for developers PfP igloo.

The architectural style of Lower Steenberg's Yard has been informed by both the neighbouring Victorian-era industrial buildings and Scandinavian design elements, with the latter inspired by Mr Richard Steenberg, the Danish industrialist who established a number of businesses in the area throughout the 1850s. As a result, clean lines and the extensive use of natural light are key features of the scheme. This has been achieved to great effect using Senior's slimline aluminium fenestration systems which



have been fabricated and installed by Crown Doors and Shutters.

Each of the apartments feature Senior's low U-value PURE® aluminium windows, specified as triple-glazed tilt and turn style units to provide safe and secure ventilation and ease of maintenance. Senior's thermally-efficient PURE® SLIDE and PURE® FOLD patio doors have also been installed to provide access to private terraces which overlook the river. As well as helping to maximise the use of natural light, Senior's fully Part L compliant PURE® aluminium windows and doors will also help improve energy efficiency, reduce fuel costs and contribute to lowering the overall carbon footprint of the building.

The ground floor retail units also benefit from Senior's PURE® casement aluminium windows, with further daylighting achieved through the use of Senior's slim profile SF52 aluminium curtain wall system to the main entrances. Senior's robust SPW501 commercial doors have also been installed to provide safe and secure access.

01709 772600 www.seniorarchitectural.co.uk



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Rebranding highlights Epwin Window Systems' credentials

Two of the biggest PVC-U window and door systems in the commercial sector, Spectus and Optima from Profile 22, are to be rebranded to highlight their status as Epwin Window Systems' brands. From now on, the systems will be recognised as Spectus from

Epwin Window Systems and Optima from Epwin Window Systems.

Gerald Allen, Head of Marketing at Epwin Window Systems, said: "Spectus and Optima are brands of the biggest names in window and door manufacturing. By rebranding and streamlining the market message, we can highlight the strengths, depth and breadth of our commercial market offer and the formidable credentials that Epwin Window Systems offers the commercial sector."

Epwin Window Systems' impressive 40-year track record of working with public and private sector organisations speaks for itself. Across new build and refurbishment contracts, its multiple PVC-U systems are specified for housing developments, social housing projects, hospitals, educational establishments and more.

The products are chosen because they have an impressive set of commercial credentials.

From an environmental perspective, Epwin Window Systems windows and doors are all designed to maximise thermal efficiency and meet regulatory requirements, helping specifiers to meet environmental targets. The company was also the first UK systems house to achieve the VinylPlus® Product Label, the labelling scheme that makes it easy for customers and markets to identify the most sustainable and high-performance PVC-U products.

The company offers next-level technical and specification support service as standard. This



service helps ensure the exacting standards of every aspect of a window and door schedule are met.

There is also an Approved Commercial Partners scheme that provides peace of mind that approved manufacturers have the expertise and experience to take on the biggest commercial projects.

Gerald concluded: "The quality of our multiple systems combined with our size and strength make us a reliable and value-added partner. We help our customers deliver cost-effective and inspirational projects that protect homes and buildings and the people who live and work in them."

0845 340 3968
www.epwinwindowssystems.co.uk



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Cover image: Gilberts
See page 23 for details