



ARCHETECH

Turning Dreams into Reality

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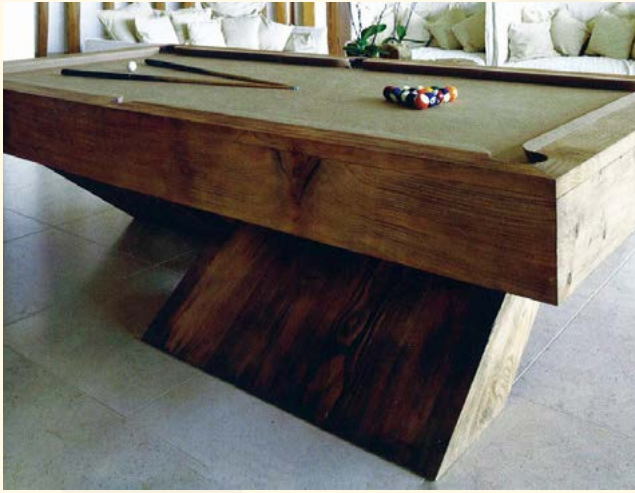


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KENT CONSTRUCTION EXPO - 28

The South East's leading construction event returns to the Kent Event Centre on October 3rd, when Kent Construction EXPO brings together 2,000+ construction professionals, contractors, developers and specialist suppliers to the sector.

SOUTH EAST CONSTRUCTION EXPO 2019 - 30

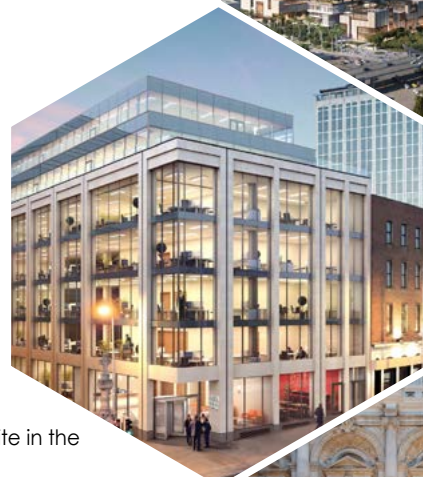
South East Construction Expo 2019 will be held at the South of England Event Centre in Ardingly on 26th September. The trade show will showcase the region's largest range of construction products and services and is a 'must visit' for anyone in development, property and construction.

ABB LEAF AWARDS - 48

The ABB LEAF Awards Judging Panel has today announced the 2019 official shortlist. Comprising best new architecture, planning and development projects, this year's awards see a record number of entries across 16 diverse categories, including the new categories of 'Best Arts & Culture Building' and 'Best New Start Up Practice'.

LEAD8 - 62

Lead8, the international award-winning design firm, has been appointed to the renowned international team designing One Bangkok. Jointly developed by TCC Assets (Thailand) Co., Ltd. and Frasers Property Holdings (Thailand) Co., Ltd., the highly-anticipated future development will deliver 1.83 million square meters of integrated mixed-use development on a 16 hectare site in the heart of Bangkok.



THE FLOORING SHOW - 86

Come and be part of the longest running flooring industry event – this Show Preview will help you plan your trip and your time spent in Harrogate.



INSIDE: WORLD FESTIVAL OF INTERIORS - 102

With designers ever conscious of how their projects will appear on Instagram, a host of jaw-dropping interiors that push the design boundaries define the twelfth edition of INSIDE, the World Festival of Interiors.



DO YOU LEAD OR FOLLOW? A TRULY SUSTAINABLE PRODUCT



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

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

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

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

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

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



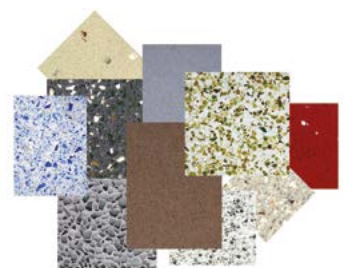
Diamik Glass manufacture surfaces for both domestic and commercial use with materials being installed in kitchens, bars, reception areas, serveries, food establishments, retail counters, bathrooms and also fabricated into tables, vanities, wall panels and tiles.

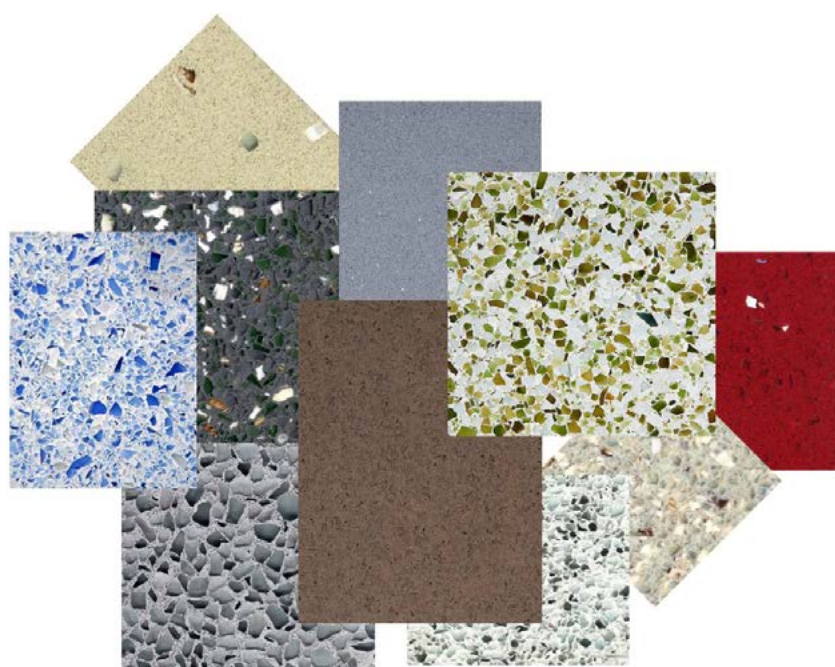
We are delighted that recently Diamik products were selected by BREEAM to provide plaques for developers to showcase buildings that have attained a high level of ecological integrity. This underlines our firm belief that UK developers can now use sustainable products in place of imported mined surfaces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

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

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

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

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

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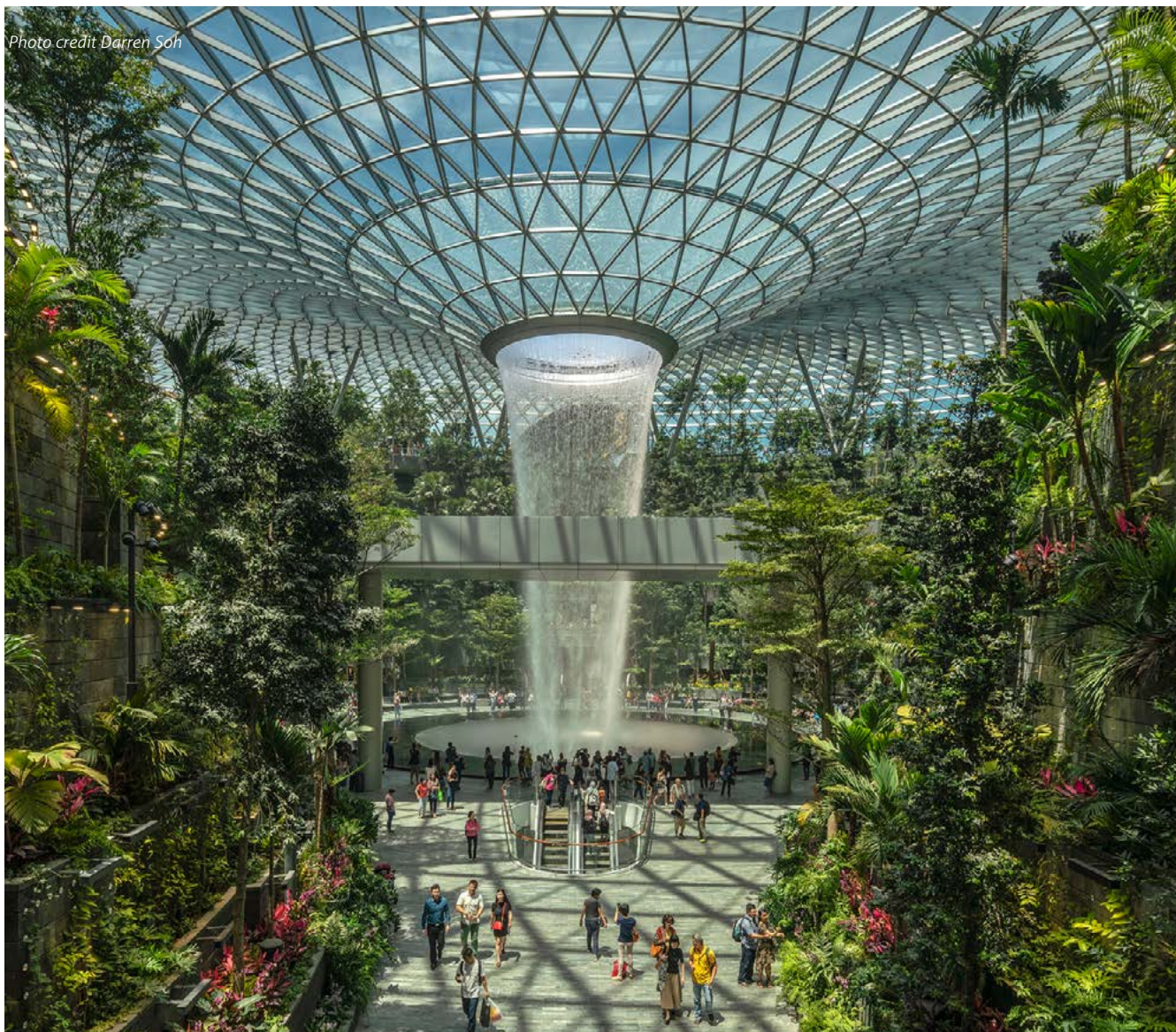


HAVE YOU GOT A PROJECT YOU ARE PROUD OF?

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

Visit: www.archetech.org.uk/subscribe

Photo credit Darren Soh



WORLD ARCHITECTURE FESTIVAL 2019 SHORTLIST **HERALDS A SUSTAINABLE FUTURE**

WORLD ARCHITECTURE FESTIVAL 2019

Architects grapple with some of the world's most pressing challenges in the twelfth edition of the World Architecture Festival, the world's biggest architectural awards programme, which has announced its shortlist.

Following the establishment of 'Architects Declare' a collective of some of the most renowned practices who have come together to announce a state of climate emergency, this year's World Architecture Festival shortlisted entries include designs that demonstrate how buildings can play a major role in a more sustainable future.

Amongst the shortlist is an eco-airport in Singapore designed by Safdie architects centred around a 15,000m² state-of-the-art, indoor public garden, which features a 40-metre indoor waterfall falling through the centre of a doughnut-shaped glass roof, alongside 3,000 trees and 100,000 shrubs from around the globe. Dortheavej

Residence by BIG-Bjarke Ingels Group flies the flag for both affordable and sustainable modular housing in Copenhagen, shining a light on this nascent mode of construction which has the potential to offer much to the housing crisis. Whilst one of last year's winners, Studio Gang, tackles environmental concerns at a volumetric level through its 'Solstice on the Park' project – a 26-storey residential tower in the USA optimised for environmental performance through angled window panels which are slanted inwards at 72 degrees—the precise angle at which the sun hits the Chicago skyline at the height of the summer solstice. In the culture category, Helsinki Central Library Oodi by ALA Architects, heralds a new era of library design where traditional functions meet modern technology, to create an almost zero-energy building with panoramic views.

The 'Future Project: Experimental' and 'Future Project: Infrastructure' categories also launched some exciting and innovative entries, including the proposal for a waterfront park in NYC, transforming oil tanks into community gardens, by STUDIO V Architecture, and the proposal for man-made, mid-bay barrier islands to act as a surge protection system for the Port of Houston, by Rogers Partners Architects + Urban Designers.

Major world architects shortlisted include Zaha Hadid Architects, Heatherwick Studio, Bjarke Ingels Group, Rafael Vinoly Architects, Rogers Stirk Harbour + Partners, Grimshaw and White Arkitekter. Many smaller practices will also take part to pitch against the big names. This year's 534-strong shortlist, ranges from private residential, to education, infrastructure, healthcare, hospitality, cultural/civic, interior and landscape projects across 70 countries.

WAF will reconvene in Amsterdam, The Netherlands, from 4-6 December this year. This is the second time the event has been hosted in the Dutch capital, following previous editions in Barcelona, Singapore and Berlin.



Photo credit Barbara Kraft



Photo credit Ivan Dupont



Photo credit: Sebastian Crespo

WHEN IT COMES TO BEAUTIFUL FAÇADES, THE DUAL-BRANDED MARRIOTT ISN'T NEOLITH'S FIRST, BUT IT'S CERTAINLY ONE OF ITS MOST PROMINENT.



Photo credit: Michael Moran

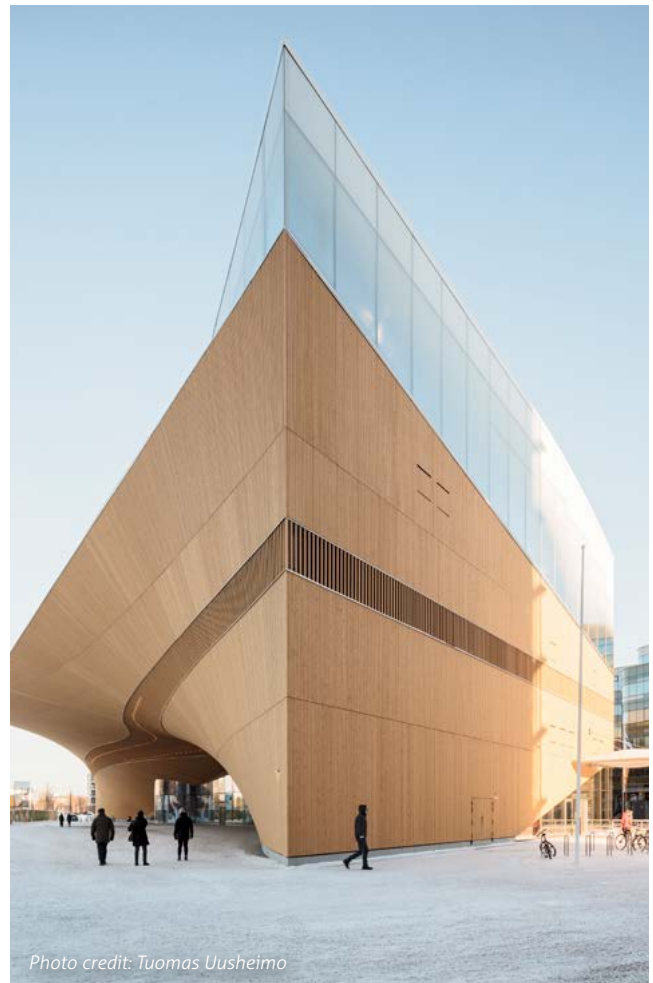


Photo credit: Tuomas Uusheimo

The architects and designers behind each shortlisted project will compete for category prizes at WAF from 4-6 December. Presentations of the shortlisted designs will be made to more than 100 international juries in front of festival delegates. Category winners then compete against each other on the final day of the festival, to compete for the ultimate accolades of World Building of the Year, Future Project of the Year, Interior of the Year and Landscape of the Year.

WAF programme director Paul Finch commented: "We have been inspired by the levels of innovation in this year's entries, that show the incredible range of ways in which architects are responding to the global climate and biodiversity emergencies we face.

"WAF has attracted more than 1,000 entries, for the second year in a row, from 70 countries, and we look forward to more than 500 live presentations at the Festival in Amsterdam, showcasing these exemplar projects from around the world."

The 2019 completed buildings 'Super Jury' which will decide the World Building of the Year, includes Aaron Betsky, President of Frank Lloyd Wright School of Architecture; Anuradha Mathur, Professor at the Landscape Architecture Department School of Design, University of Pennsylvania Philadelphia; and Maria Warner Wong, Design Director of WOW Architects & Warner Wong Design.

WAF and its co-located event, INSIDE World Festival of Interiors, will welcome more than 2,000 of the world's leading architects and designers to Amsterdam for three days of conference programmes, awards, exhibitions and fringe events from 4-6 December.

For more details on the WAF Awards and the festival please visit:
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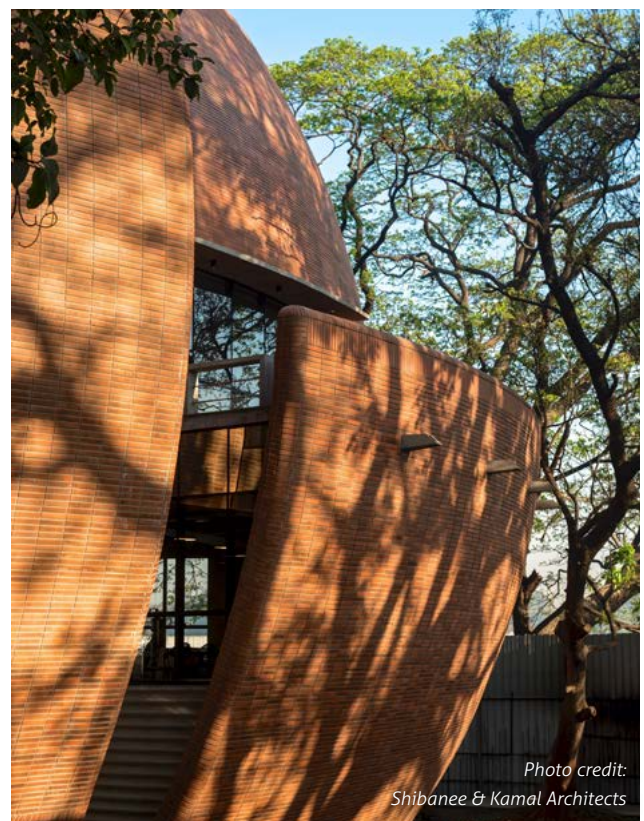


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ROBUST UK PORTFOLIO OF SECURED BY DESIGN APPROVED DOORS GROWS

Robust UK continue to lead the field in security solutions, adding two new products to their growing portfolio of Secured By Design approved doors. Their TUFF-VENT product recently achieved PAS 24: 2016 certification, while GLAS-DOR has successfully passed testing to the same standard, with certification in progress.

With thieves becoming increasingly sophisticated when attempting to gain access to buildings, it is vital door manufacturers stay one step ahead. Third-party certification couldn't be more important in doing so, assuring consumers that their doors meet security requirements and keep their property and possessions secure for as long as possible.

PAS 24: 2016 is a security certification that guarantees that the production of a door is monitored by a UKAS accredited certification body. This ensures that it complies with the requirements of PAS 24: 2016; Enhanced security performance requirements for door sets and windows in the UK. This is a British minimum standard, meaning there are no upper or lower grades, a door will either pass or fail.

Sales Director Paul Williams was delighted with the news, adding: "Secured By Design is one of the most widely recognised schemes for building security in the UK and Robust are very pleased that our GLAS-DOR and TUFF-VENT doors are now SBD listed."

Often used on affordable housing, TUFF-VENT is perfect for use on bin stores and boiler rooms. It offers a free area of around 50%, allowing continuous airflow and enhanced security. A standard 2mm steel louvre vane is used throughout, welded at every junction to improve strength and durability. TUFF-VENT is also available as a side or over panel to make up large openings where a large door may be impractical.

GLAS-DOR is Robust UK's glazed steel profile system, perfect for use in offices, hospitals and shopping centres (among other similar



Above left, TUFF-VENT Louvre vanes.

Above right, GLAS-DOR Glazed door set.

public buildings). It can offer up to 2 hours fire resistance in certain configurations, and is available as a glazed door set, sliding doors, partition walls and window sections. GLAS-DOR combines functionality with a sleek, modern design, and adding security certification to this really will make it the complete package.

Robust UK's commitment to product development is unrivalled and really shows their ambition within the door industry. Now a part of Novoferm Group, Robust look to continue growing with the experience and expertise of the Novoferm Group members.

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Canopy construction firm Fordingbridge have enjoyed a exciting 2019 so far, working on varying innovative projects enabling the business to stretch both their engineering and design muscles.

With a broad portfolio of successfully canopy projects, ranging from modular hospital entrance buildings to a holiday park skybar, the company's experience continues to grow. Based in West Sussex the company have spent the last five decades evolving from a background in polytunnels to become the industry leaders in shade space they are today.

Proudly working with principal contractors, architects, educators and NHS Trusts, Fordingbridge have to processes and expertise to overcome problems encountered by others in the industry. All processes, from design through to manufacture and installation are handled in-house, ensuring clear communication through the project lifecycle and beyond.

Their ethos of sustainable engineering is also an ethical one rather than simply a buzzword, with the businesses work in conservation and environmental education well regarded through local authorities.

If your next project has specified an outdoor canopy, ensure you speak to the team at Fordingbridge to see what they can bring to the project, to help you achieve beyond the brief.





SELF-SERVICE LOCKER SUCCESS GOES GLOBAL

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

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

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

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

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

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

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

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

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FIVE REASONS WHY SPATEX 2020 IS THE EXPO DESIGNED WITH YOU IN MIND

Now in its 24th year, SPATEX is the UK's ONLY dedicated water leisure exhibition. Held at Coventry's Ricoh Arena Tuesday 28th to Thursday 30th January, it is free to attend, and provides architects, specifiers, builders with ALL they need to know about spas, water features, hot tubs, saunas, steam rooms, swimming pools, enclosures and much more besides.



free-to-attend, three-day double seminar and workshop programme will, amongst many other subjects, focus on how we can all play our part in becoming more eco-aware. With over a hundred international and domestic exhibitors, there will be lots of new products, including those that support a low energy, low carbon footprint. The full exhibitor list can be found at www.spatex.co.uk

1. Design knowledge - There's few projects that can't be enhanced with the addition of water. Whether for artistic effect or leisure, water adds another dimension, both in sound and vision. It literally brings a design to life. SPATEX 2020 promises to show you how it can best be achieved.

2. Stay abreast of the Industry's latest innovations - With 100 plus exhibitors, from home and abroad, all of the Industry's major manufacturers and suppliers will be showcasing their very latest products. Water leisure is a fast-moving world and many companies are using SPATEX 2020 to launch a plethora of new energy saving innovations and offer exclusive discounts and special offers. The Exhibition features every product under the water leisure umbrella - from swimming pools, saunas, steam rooms, hot tubs, spas, enclosures and water features to all the inner workings, such as pumps, filters and heating and ventilation.

3. NEW for 2020 - Become 'greener' - Conscious of climate change, the depletion of the world's natural resources and the need to reduce the Industry's dependency on plastic, SPATEX 2020 aims to promote an awareness of the environment. Talks and demonstrations in the Show's

4. Increase your knowledge base - SPATEX hosts three full days of seminars and workshops which offer vital information such as new Standards and Guidance that affect all providers of wet leisure facilities. In Arena 1 the esteemed Institute of Swimming Pool Engineers (ISPE) is hosting a series of technical workshops and CPD points and a certificate of attendance are available for all attendees.

5. A unique pool of free expertise for your projects - SPATEX 2019 is fortunate to be able to count the Industry's many esteemed associations amongst its supporting partners and call upon their expertise. PWTAG (Pool Water Treatment Advisory Group) and ISPE (Institute of Swimming Pool Engineers) to name but two. With the Industry's experts meeting under one roof over the course of three days, there's no better place to seek advice or guidance, and all for free!

Visit www.spatex.co.uk to see SPATEX's impressive list of exhibitors, details of the free double seminar and workshop programme and register for the Show's regular e-newsletters. SPATEX 2020 - Tuesday 28th January to Thursday 30th January.



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NE FASTENERS

NE Fasteners has a new trailer on the road covering the UK, it is branded NE Fasteners and Screwshop.

The modern and bright livery trailer was introduced to the road in April and will travel up and down the country. It features their Turboqwik logo – the multi-purpose, high performance woodscrew and joins the fleet of their other two vehicles.



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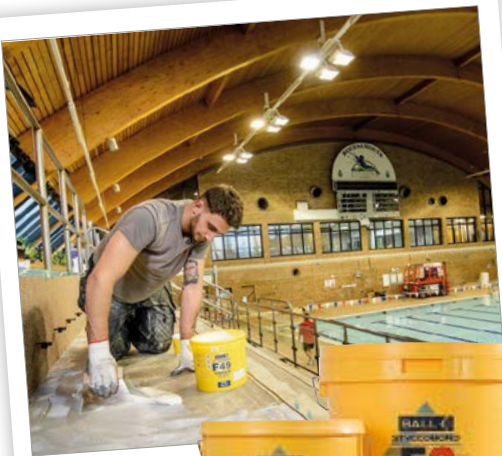
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HELIFIX NON-DISRUPTIVE MASONRY REPAIRS RESTORE WELSH PERIOD COTTAGE

Helifix engineers have designed sympathetic non-disruptive repairs for a Grade II listed period cottage in South Wales which was suffering from a number of defects, including outward movement of the gable end wall, internal cracking along the ceiling lines and cracking over the front door entrance. The Helifix product range and associated Repair Details provided lateral restraint and restored structural integrity to the damaged masonry leaving the cottage's original aesthetics and materials intact.



Deep masonry beams were created across the full width of the gable wall by bonding pairs of stainless steel HeliBars into slots cut above and below the first and second floor joists. These stabilised and reinforced the masonry and addressed the cracking over the front door. SockFix stainless steel anchors were then inserted into clearance holes drilled within the Helibeam zone, through the rubble-filled wall and the first two parallel floor joists. The concealed repairs were completed quickly and caused minimal disturbance to the property fabric, the inhabitants or neighbouring properties.

Tel. 020 8735 5200 | email: sales@helifix.co.uk
Web. www.helifix.co.uk

DML EXPANDED METAL LATHING HITS 100,000 SHEETS A YEAR!

This summer, construction connector manufacturer Simpson Strong-Tie is celebrating the production of its one hundred thousandth 'DML' Expanded Metal Lathing sheet.



The UK's most versatile, reinforcement mesh option, available in a sheet size of 2400 x 700 x 0.40.

The bead and mesh range from Simpson Strong-Tie is going from strength to strength, increasing in popularity as builders opt for a solution to suit a wider variety of applications. The DML is easy to install and comfortably capable for many internal and external purposes. UK Marketing Manager, Kyle Perry explains:

"Our DML is something of a fan favourite; used as a general purpose reinforcement mesh, helping prevent cracking occur, when different materials meet."

In stock and on the shelf now, helping you build safer, stronger structures.

Visit strongtie.co.uk for more information.

ANCON'S TECHNICAL SEMINARS NOW AVAILABLE IN BITE SIZE WEBINARS

Ancon has extended its technical services offering with the addition of webinars to complement a highly successful CPD-approved seminar programme of over 30 years. The first webinar available in the series is entitled The Correct Use of Wall Ties in Brick-to-Block Construction.



This webinar provides viewers with information on the various types of cavity wall restraints and their design considerations including how to limit heat/sound transfer. The webinars are delivered by Ancon technical staff who have considerable technical experience of applying seminar content in practice and in answering questions from both specifiers and contractors.

The webinars are available on demand from the 'Resources' section of the Ancon website here: www.ancon.co.uk/resources/webinars.

For more information, please contact Ancon on 0114 275 5224 or email info@ancon.co.uk.



REYNAERS ACHIEVES MAXIMUM COMFORT AND SAFETY FOR NEW LONDON HOMES

Nestled in the exciting Kings Cross district of London, Onyx Apartments is a new development that offers residents the best of everything: comfort, ideal location, unmatched views of the city and access to an array of restaurants, bars, shops, parks and galleries. Working closely with developer Taylor Wimpey, contractor United Living and Cross Border partner Skonto Plan, Reynaers has ensured residents receive the highest level of thermal insulation and safety, while also being able to take advantage of the unique London panorama.

Onyx Apartments is an 11-storey building located on the banks of Regent's Canal, which offers 117 bespoke homes with one, two and three bedroom options. The development was designed as a modern, elegant and professional living environment which is reflected in the look and feel of the entire building. Residents are offered a range of facilities, including a 24-hour concierge service, access to a residents' roof terrace, two enticing entrance lobbies and cycle storage.

Comfort and safety were two top priorities in bringing this project to life and Reynaers was brought on board to achieve those aims. The CS 86 'High Insulated' (HI) aluminium window was specified, as it offers an overall insulation value (Uf) of 1.0 W/m²K, making it one of the most energy-efficient windows on the market. RB Glass was also used, an add-on glass balustrade which offers an additional layer of

security without compromising the transparency and design of the windows. To further enhance the insulation level of the apartments, Reynaers' CP 155 'Lift and Slide' (LS) aluminium door was specified as part of the project, a product which creates maximum glazed areas while also maintaining comfort.

Commenting on the development, Neil Garner, International Project Consultant at Reynaers Aluminium UK said: "We are proud to be a part of the redevelopment of Kings Cross district. Onyx Apartments is a great example of a project that combines elements of luxury and practicality, bringing a fresh perspective to the area. At Reynaers, our mission is to enhance the living and working environment and I believe we achieved that as part of this project through the comfort and security that our doors and windows offer the new residents."

Kings Cross has been undergoing major transformation work, with new residential areas being built, in addition to a flourishing variety of green spaces, restored heritage buildings, a bustling food and drink scene and shopping areas. Located in the heart of London, residents benefit from quick transport links to the rest of the city as well as internationally from St Pancras station.

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



WarmFloor

PRO

Insulated Thermal Ground Flooring

WarmFloor Pro by Milbank Concrete Products offers home builders a simple, cost-effective solution to quickly assemble a thermally insulated ground floor.

Reduced initial construction costs and a lower heating expenditure make WarmFloor Pro a compelling alternative to a standard beam and block floor.

A cut above the rest

- ✓ **Simple to install** – No specialist tools or skills are necessary.
- ✓ **Fast to install** – EPS panels are the same length as five regular concrete blocks.
- ✓ **Sustainable** – WarmFloor Pro is designed to last the lifetime of the building while maintaining its exceptional thermal performance.
- ✓ **Clean, easy and safe to work with** – EPS panels weigh just 2Kg (approx.).
- ✓ **Compatible with underfloor heating** – Plastic pegs push into the EPS panel and hold heating pipes in-situ.
- ✓ **Proven, Trusted Technology** – Used now for over a decade.
- ✓ **Industry compliant** – Milbank WarmFloor Pro is fully certified and has an A+ green guide rating.
- ✓ **Cost effective** – WarmFloor Pro is designed to save you money; faster installation speeds combined with reduced waste and excavation removal allow for an increase in overall savings.
- ✓ **Bespoke** – A wide range of EPS panel depths and grades are available to satisfy your U-value or budget requirements.



BUILDING THE FUTURE: TECHNOLOGIES, OPPORTUNITIES AND CHALLENGES

KENT CONSTRUCTION EXPO

The South East's leading construction event returns to the Kent Event Centre on October 3rd, when Kent Construction EXPO brings together 2,000+ construction professionals, contractors, developers and specialist suppliers to the sector.

Brought to you by Kent Invicta Chamber of Commerce, in collaboration with Kent County Council and Medway Council, this major annual gathering offers a fantastic line-up of speakers, alongside the South East's largest exhibition of construction suppliers: providing a unique opportunity for you to get the inside track on major infrastructure projects and the latest industry developments, while making valuable new contacts and building your business.

We already have a great programme line-up confirmed, with inspirational keynotes and practical workshops that will provide you with fresh insights into current construction industry challenges and opportunities on the horizon as well as emerging technologies, practices and innovations - helping you to keep up to date and thrive in the years ahead.

Back by popular demand, our roundtable stream provides a focussed platform for discussion where you will have the opportunity to share your challenges and opportunities, hear your peer's points of view and learn from their experiences, ask questions and voice an opinion.

See below for just a few of the hot topics and sector trends that will feature on the programme this year:

- Collaboration & New Ways of Working Together
- Sustainability
- Environmental Issues
- Digital Construction & Emerging Technologies

- Disruptive Forces: AI, AR, Drones & Robots
- Building Offsite/ Modular Construction
- Local developments, projects and initiatives
- Addressing Mental Health
- R&D Tax Relief
- Digital Marketing
- Obtaining Planning Consent on Strategic and Brownfield Sites
- Procurement & the Supply Chain
- VAT changes to the Construction sector
- Women in Construction
- The Skills Shortage: Skills, Apprenticeships and Training
- Kent Construction: Opportunities, Threats and Performance vs. the
- National Outlook
- Innovation

This year's information-packed event creates a unique environment for sharing best practice and real-life experiences. Attendees can benefit from:

- Over 200 market-leading exhibitors
- 600 FREE meet-the-buyer appointments with leading contractors, suppliers and government departments
- Latest updates on government infrastructure projects
- Invaluable networking opportunities to build and maintain business relationships
- Latest updates on government infrastructure projects
- Live Demo Areas showcasing the most dynamic and innovative products in the industry
- Big Networking Breakfast with a focus on how the evolving digital world will affect the construction industry

Post-Event Gala Dinner, the perfect way to unwind, network and celebrate excellence within the industry. After-dinner speaker is former world heavyweight champion Frank Bruno. Book now to avoid disappoint, over 75% booked already!

For more information and to reserve your FREE place, visit: www.kentconstructionexpo.com



*The main Tower
from across the
Welsh Harp*

OVER 13 SCHÖCK PRODUCT VARIANTS AT HENDON WATERSIDE

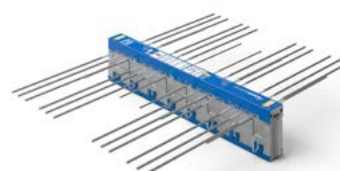
Minimising energy use in buildings, by improving thermal performance of the building envelope, has become increasingly important in the drive for sustainability and energy efficiency. And the prevention of thermal bridging is critical with structural attachments such as balconies. Ineffectual insulation at the connection points means local heat loss, with more energy being required to maintain the internal temperature of the building. And while this is an important aspect of thermal bridging, there are other issues. Low internal surface temperatures in the area of the thermal bridge can cause condensation. Leading not only to structural integrity problems with absorbent materials such as insulation products or plasterboard, but the potentially serious occurrence of mould growth. So for any large-scale project involving a variety of different balcony types, the prevention of thermal bridging is particularly important.

CHALLENGING VARIETY OF BALCONY TYPES

One current project with a challenging variety of balconies is Hendon Waterside in North West London, a mixed tenure development. Situated alongside the Brent Reservoir (known locally as the Welsh Harp after a public house which used to stand nearby), the scheme involves the regeneration of a 1960s housing estate being built in six phases and scheduled for completion in 2027. The masterplan will deliver around 2100 new homes consisting of social, affordable and private housing. These are being constructed in twenty-three blocks, varying in height from three to twenty-three storeys – along with an imposing tower building of twenty-eight storeys. Also planned are new public parks, a primary school, community centre and commercial space for small cafes or shops.

HUNDREDS OF VARIANTS IN THE ISOKORB RANGE

The many balconies involved vary in their design demands and to ensure that thermal bridging is minimised, Schöck has supplied over thirteen different product variants. As the leading international supplier of structural thermal breaks, Schöck has a solution to practically every connectivity detail with the hundreds of variants available in its Isokorb range. The products at Hendon are for concrete-



*One of the
Isokorb types
used at Hendon
Waterside*

to-concrete and provide optimum solutions by using varying tension bar arrangements. For example, one type provides cantilever balcony connections and transfers both negative moments and positive shear forces. Another is a load-bearing thermal break element for transferring shear forces on supported balconies, recessed balconies and for occasional peak shear forces. Others transfer positive shear forces with point support, or transfer positive shear forces with point support and zero stress connection.

TOTALLY VERIFIABLE PERFORMANCE

In addition to concrete-to-concrete, the comprehensive Isokorb range also offers solutions for concrete-to-steel and steel-to-steel – and even a maintenance free alternative to wrapped parapets. A requirement that the temperature factor used to indicate condensation risk (fRSI) must be greater than, or equal to, 0.75 for residential buildings, is easily met by incorporating the Isokorb. The range also complies with the Government Standard Assessment Procedure, SAP 2012, concerning CO2 emissions from buildings and respectively heat losses through non-repeating thermal bridges. Products meet full compliance with the relevant UK building regulations, have NHBC approval and offer LABC Registration. There is also the security of independent BBA Certification.

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



SOUTH EAST CONSTRUCTION EXPO 2019 OFFERS CONSTRUCTION **INDUSTRY INSIGHT** **INTO SURVIVING NEW CHALLENGES**

South East Construction Expo 2019 will be held at the South of England Event Centre in Ardingly on 26th September. The trade show will showcase the region's largest range of construction products and services and is a 'must visit' for anyone in development, property and construction.

The day will kick off with the Sussex Construction Forum with the Sussex Chamber of Commerce and will feature Michaela Wain, BBC Apprentice Runner Up 2017 and owner of Design and Build UK, and Tim Norwood, from Gatwick Airport.

The day will be packed with industry leading keynote speakers, great exhibitors, brilliant networking opportunities, high quality workshops, plus the latest news on projects and developments across the UK. Also, not to be missed is the free Meet the Buyer, with over 600 appointments.

Big name businesses already involved include Balfour Beatty, BAM, Glenigan, Builders Conference, Willmott Dixon, Galliford Try, Sunninghill, Logan Construction and Westridge Construction Ltd.

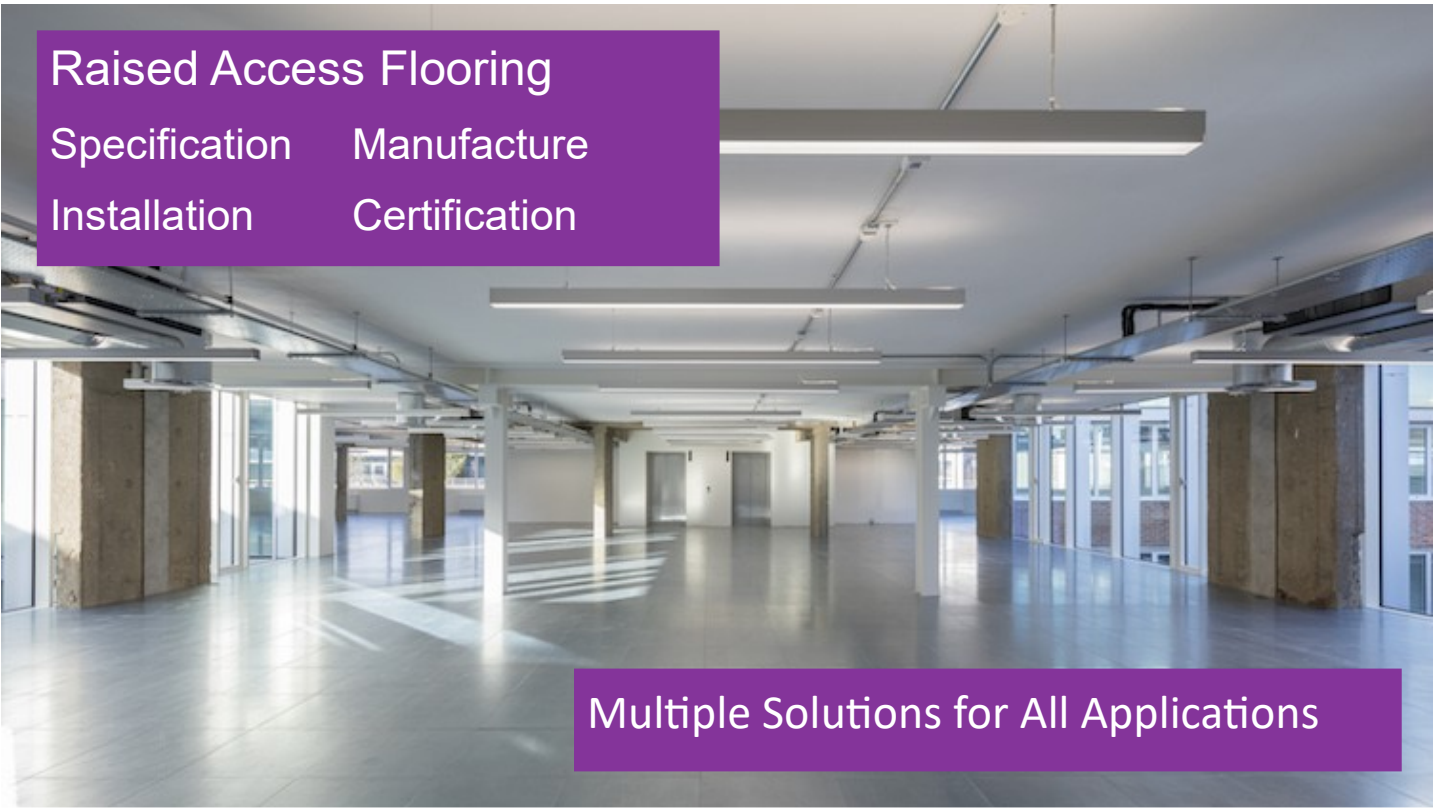
SOUTH EAST CONSTRUCTION AWARDS 2019

This year, the Expo is also holding the South East Construction Awards and is open for entries, which will be celebrated at the Expo dinner.

Carole Black said, "We don't have an awards scheme in the region to celebrate our heroes in this industry and so we have an exciting panel of judges and seeking entries for six categories, ranging from best construction project to best architectural design, best contractor to best supplier. We are also looking to celebrate women in the industry and want to reward the best apprentice on a construction project in the South East."

Businesses in the sector wishing to get involved in the Expo and the Awards as a sponsor, trade stand, delegate on the day or entry for the awards, can find out more and register for details at: www.constructionexpouk.co.uk Twitter @ConstructExpo or LinkedIn: <https://www.linkedin.com/groups/4530020/>





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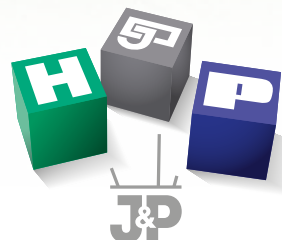


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WAUGH THISTLETON ARCHITECTS REDUCES ENERGY CONSUMPTION OF EAST LONDON OFFICE BUILDING BY HALF

◦ WAUGH THISTLETON ARCHITECTS

The Green House is a state-of-the-art office building in East London designed by Waugh Thistleton Architects that takes advantage of an existing concrete frame structure and juxtaposes it with timber CLT extensions, exemplifying modern methods of construction and sustainable design. Owned and managed by The Ethical Property Company, both the client and architect have pushed the boundaries of sustainable office design creating a biophilic development that improves energy efficiency in construction and in use by 50%*.

This sustainable 6-storey commercial property in Bethnal Green is a retrofit of a disused and derelict 1960s office block with a modern and flexible workspace for up to fifty social change organisations. The existing concrete frame was maintained to minimise waste, pollution and reduce carbon emissions that occur through demolition. A new 6 storey rear extension and atrium was added to the back to create 7050m² of office space. Further office space with stunning views over the city is located in a new single-storey rooftop extension. The additions are built from prefabricated CLT and glulam reducing the building's carbon footprint to a fraction of a conventional new building.



A new dynamic glazed wall was added to the west façade facing Cambridge Heath Road, providing passive regulation of noise, heat, sunlight and ventilation. The windows are set back from the façade to provide solar shading and acoustic protection. PV panels on the roof offset energy consumption and wildflower green roofs are located at second and sixth floors levels to encourage biodiversity. A large south-facing communal terrace on the fourth floor provides outdoor space for informal meetings and relaxation and there are over 80 bicycle parking spaces.

Inside, a full height atrium opens up the lobby space at ground floor and provides natural light and sky views from each floor's circulation space, while acting as a place for impromptu conversation. The central exposed CLT cantilevered staircase is the pivotal connection between the existing concrete building and the timber extension. This innovative design was made possible using resin bonded steel rods placed within the treads, with the half landings suspended from steel tension system. Open plan kitchens encourage active collaboration. Use of recycled carpet tiles, low energy lighting and water saving technologies contribute to reduction in VOCs, electricity and water consumption.

Andrew Waugh, Director at Waugh Thistleton Architects, said: "Our commitment to championing environmentally-friendly building practices is perfectly aligned with Ethical Property's own longstanding approach to sustainability. Creating workplaces out of CLT offers huge benefits both to the client, in terms of the cost and efficiency of the programme, and also the end users in terms of a warm and comfortable work environment."

*The building halves CO2 emissions in use from the notional benchmark of 91.7 tonnes of CO2 per year to 45.8 tonnes of CO2 per year.

www.waughthistleton.com



CONRAD PEBERDY, MANAGING DIRECTOR OF ETHICAL PROPERTY, SAID "SINCE WE STARTED 20 YEARS AGO, OUR POLICY HAS TO BEEN TO ALWAYS ENSURE OUR CENTRES ARE AS ENVIRONMENTALLY – FRIENDLY AND SUSTAINABLE AS POSSIBLE. WITH THE GREEN HOUSE PROJECT WE WERE VERY LUCKY TO HAVE FOUND AN ARCHITECT WITH THE SAME VALUES AS US WHO HAS DESIGNED A WONDERFUL SPACE THAT EMBRACES SUSTAINABILITY".



SAVING TIME ON SUBSTRATES: FIND A PRACTICAL TILE BACKERBOARD

The latest updates to BS5385 Part 1 have placed renewed focus on tile backerboards, as a solution to combating deteriorating standards of plywood entering the UK market.

The standard now specifies that wall tiling direct to plywood is no longer recommended in wet areas and that a tile backerboard should be used in its place. There are a number of different boards on the market, with varying properties. So what qualities should you look for in a backerboard? Here are four that will make a positive practical impact on the projects that you undertake.

WATERPROOF NOT WATER-RESISTANT

A number of other boards on the market are merely water-resistant rather than waterproof. The difference is significant – water-resistant boards will allow water to ingress over time, whereas waterproof boards keep it out permanently. Water-resistant boards can be waterproofed via the use of a liquid-

applied or sheet membrane, but this increases installation time by adding an additional process to the job. It is also not uncommon for this crucial waterproofing step to be missed, due to the package of works for a substrate often not including the additional waterproofing layer. Use of one, ready-waterproof product avoids any ambiguity, preventing confusion on-site as to who is responsible for the work and protecting the specifier's reputation.

LIGHTWEIGHT

Particularly on large scale projects, having a lightweight board that can be easily manoeuvred around site makes a tangible difference, encouraging a quicker construction process and preventing injuries caused by lifting and dropping. Reduced fatigue means more work is completed, to a higher standard, saving time and money on remedial steps later.



CEMENT-FREE

A board that is cement-free is more environmentally friendly in its constitution, plus is more practical on-site as it can be cut without having to use masks or clear the area. Coupled with additional useful features such as high strength support, thermal insulation and sound reduction, you can achieve a system that performs as well as more traditional boards, but without the health implications of carcinogenic materials.

MULTI-FUNCTIONAL

Why use five products when you can use one? Backerboards that come in a variety of thicknesses can often be used for a number of different purposes, from use over existing substrates through to the creation of features such as shelves, partition walls and seats. It's easier to customise boards that are non-cementitious into different shapes and you can more quickly achieve neater and cleaner edges ready to receive tile and stone edge details.

CHOOSE... SCHLÜTER®-KERDI-BOARD

Offering design flexibility, ease of installation and enabling the creation of CE Marked bonded waterproofing assemblies, the versatile and unique Schlüter®-KERDI-BOARD is a robust and practical backerboard, capable of supporting up to 60kg/m². Its construction consists of an extruded hard foam core panel, with a special reinforcement material on both sides and waterproof fleece faces to finish, providing effective anchoring in the tile adhesive. Providing a smooth substrate and enabling precise angling of corners, seven thickness options are available—ranging from 5–50mm. Plus a utility knife is all that is needed to cut it to shape and size.

This core product in Schlüter-Systems' portfolio is the key to an easier specification process and a quicker project progression.

For more information, call 01530 813396, email pr@schluter.co.uk or visit www.kerdi-board.co.uk.



SBORDONI

In a world of ever-changing fashions Sbordoni has, for over one hundred years, remained reassuringly constant, offering the lasting values of design, quality and craftsmanship that rise above passing trends.

The Alessandro Sbordoni Ceramics Company was established in 1910 by Alessandro Sbordoni. Initially, the production focused on artistic pottery and in the 1920s was broadened to encompass ceramic sanitary ware. A second manufacturing site was opened in 1925 on Via Flaminia – Civita Castellana, Viterbo, followed by a third site in the borough of Stimigliano Scalo.

The company started in an Italian town that has always been at the heart of Italian sanitary ware production, where pottery has been made for thousands of years. Each individual piece is manufactured using high-quality vitreous china, by local craftsmen whose families have been learning and practising their skills over many generations.

Markets today are saturated with mass-produced goods but Sbordoni takes pride in the personal involvement, care and artisan flair of its makers. The process - from the preparation of the clay, its casting, hand-finishing, glazing and selection - is the work of talented and experienced craftsmen and results in pieces with an individuality that reflects their heritage. The Sbordoni Neoclassica™, Sbordoni Palladio™ and Sbordoni Masaccio™ collections, showcase unparalleled original design that still testifies to the talent of Alessandro Sbordoni, who conceived the designs in the 1930s and 1940s.

A Sbordoni bathroom will bring beautiful classical design into your home, each piece unique and the result of hundreds of years of experience. In Sbordoni is the origin of these beautiful, timeless designs and sanitary fittings are marked with the original brand, hot-stamped on the china surface.

The small differences between products, when present, confirm the craftsmanship and authenticity of our products that are all made in Italy. All of our sanitary fittings including our luxurious brassware, furniture and accessory collections, have been rigorously tested and have obtained the CE marking.

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CATALANO

THE ESSENCE OF CERAMICS

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

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

The signature Cataglaze+ treatment has a lifetime guarantee and is standard on all Catalano products. Cataglaze+ is blended at a high temperature with the ceramic itself so that it is an integral part of the product, giving Cataglaze the edge over many traditional glazes. Cataglaze+ contains silver and titanium ions which, once activated, kill germs and bacteria. The silver ions are activated by light and the titanium ions are activated in darkness. Combining the two ensures antibacterial protection 24 hours a day. Surfaces are smoother, easier to clean and more resistant to limescale, general dirt and aggressive chemicals. In addition to increased hygiene, Cataglaze+ sets Catalano ceramics apart aesthetically. Cataglaze+ gives ceramics a smooth finish and ensures surfaces stay brighter for longer for a stunning appearance.



Dedicated furniture solutions in on trend finishes are available for stylish bathroom storage. Units are available for small and larger basins with 1 or 2 drawer options and can be combined with matching wall storage for a total look.

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

Catalano / 0208 685 6815 / www.catalano.co.uk

CATALANO

THE ESSENCE OF CERAMICS



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NOVELLINI

The Novellini Group are Europe's largest manufacturer of shower enclosures producing over one million pieces per year. Offering an extensive range and superior quality, all our products are designed and built with the world renowned Italian flair and passion. Everything is manufactured in the Novellini owned factories meaning anything is possible, from standard product to bespoke made to order enclosures.

Supplying over 9000 customers throughout the world Novellini creates inspiring bathrooms, reacting and developing within an ever-expanding market where the needs and wants of the population are met with bold new designs and unique craftsmanship that allows Novellini to be at the forefront of the market.

Working alongside leading architects and designers, we create beautiful and functional bathrooms that complement the home, creating tranquil spaces inspiring and promoting Well-being and wellness. This helps achieve our main goal and vision to be the world's number one manufacturer for excellence in bathroom furnishings and the most innovative company worldwide, creating products for the ever-increasing demand of day to day life.

With over 80,000 products in stock at any one time, all our products are designed and manufactured to meet the latest European standards in terms of quality, safety and environmental friendliness. Novellini run a zero-emission integrated production cycle that is 100% environmentally friendly, helping reduce our impact on the worlds environment. Our products are manufactured from raw materials to finished product using 70% recycled aluminium and 30% pure aluminium.

Novellini was founded over 50 years ago by Gianfranco Novellini. The company is now run by the second generation of the Novellini family, Marco and Barbara. Their forward thinking and desire to be the best has made the Novellini group Europe's leader in terms of production of shower enclosures, shower cubicles, wet-rooms and wellness. Novellini services 50 countries throughout the world and has 27 branches worldwide. The production facility is based in Mantova, Italy, it has eight production sites and covers an area of over 250,000m². Novellini, taking care of your well-being for 50 years.



Based in the beautiful market town of St Albans Hertfordshire, Novellini UK operates from its head office featuring a large showroom with an extensive range of products on display, varying from enclosures, baths, steam cabinets, furniture and featured wet room aspects.

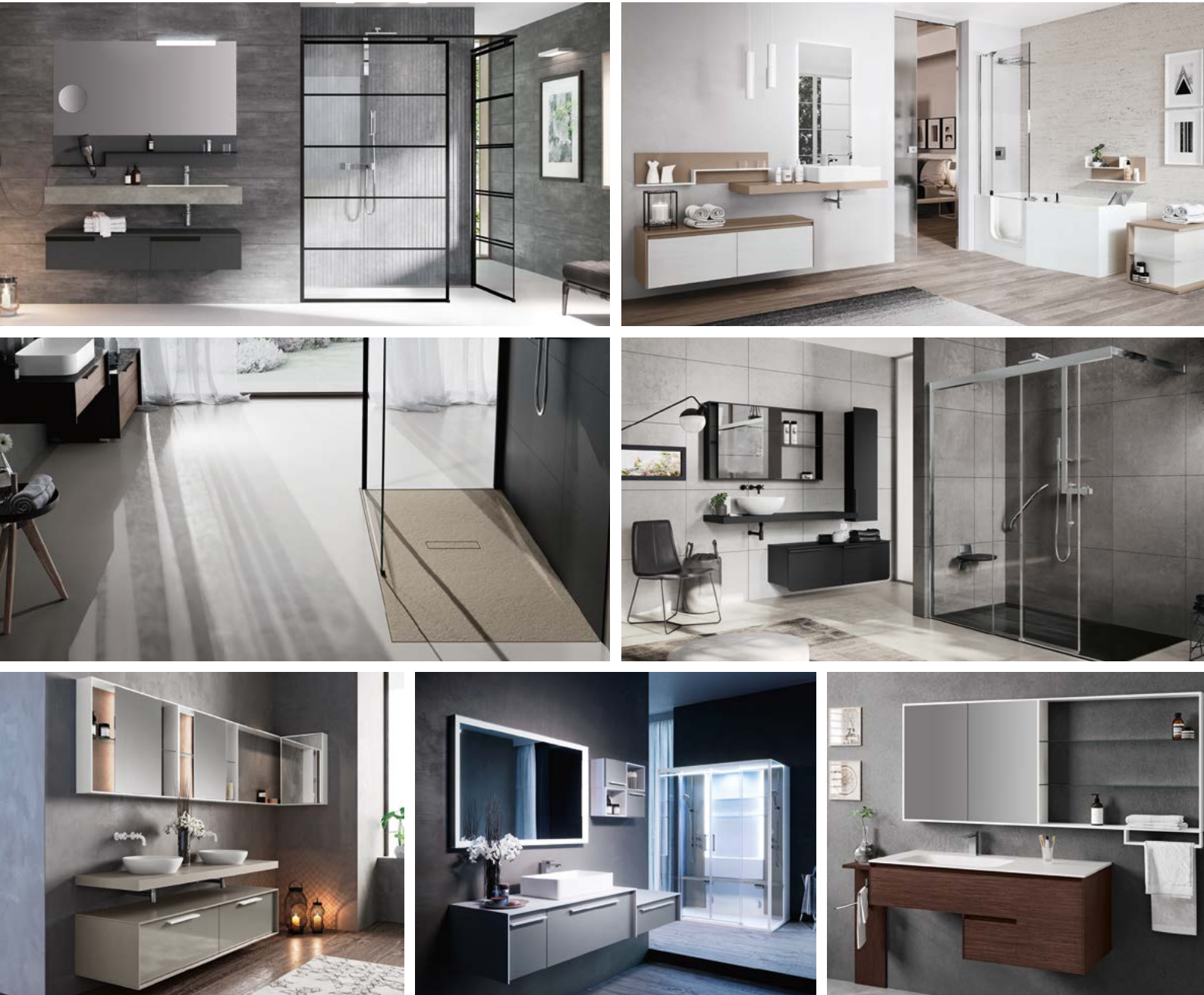
Supported by vast stocks at our warehouse located in Birmingham, serviced and maintained by experienced professionals ready to dispatch and handle our products within competitive time frames.

All our current ranges are supported by readily available spare parts. Parts are even available for 10 years after a range has been discontinued. Technical advice from our dedicated after sales team and professional qualified service engineers is only a phone call away.

Novellini is available nationwide through our chosen merchant partners and retailers, please visit our website today to find your nearest dealer and to view our inspirational market leading products.

www.novellini.co.uk

Discover our 2019 collections



Novellini UK offers a full range of bathroom products; including bespoke shower enclosures, wet-rooms, steam rooms, spa baths, furniture and much more.

All our products are designed and manufactured in Italy ensuring quality and availability. We have an extensive showroom facility at our HQ in Italy to support specifications and technical needs.

Products available nationwide via our merchant partners. Why not visit our website or contact us directly for more details on our products and services.

GRAFF®'S NEW VINTAGE COLLECTION

AVAILABLE IN ARRAY OF STUNNING FINISHES

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

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

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



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

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

PROCOLOR FROM VITRA TILES – DESIGN YOUR PROJECTS IN COLOUR!

The ProColor range from Vitra Tiles comprises contemporary and attractive colour options for today's designers and specifiers.



This range is ideally suited to the architectural specification market because it contains 38 RAL colours of fully-vitrified tiles, providing modularity and consistency for designers. The RAL system is used in architecture, construction and industry, so its use in this range allows for standardisation of colour, including coordination and contrast where required.

Importantly RAL colours in tiling allow architects and designers to coordinate colours throughout their residential and commercial projects and to build innovative and creative use of colour into their designs right through to implementation.

ProColor includes all the most commonly used colours from white through different shades of green, red, greige, blue, lilac, brown and black. Tiles are available in a choice of modular sizes from 2.5 x 2.5 through to 30 x 60. All sizes, except 30 x 30 and 30 x 60, come in gloss, as well as a matt finish, and are in a non-slip format. The full range is available for immediate delivery from stock via Vitra Tiles' distribution network.

www.vitratiles.com



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The Versatile Tilebacker System for Walls, Floors & more

PCS is a UK based manufacturer of high - performance construction products that are thermally insulating, lightweight and waterproof. DeltaBoard thermal construction boards; one of many products manufactured by PCS, has been developed for use as a wall lining and floor overlay panel. DeltaBoard has a thermally insulating core laminated with a lightweight, fibre-reinforced cementitious surface. DeltaBoard is user friendly and ideal for the direct application of tiles and other decorative finishes. DeltaBoard is much more than just a tilebacker board; it is an incredibly versatile

construction panel that can be used to create form and function, enhancing construction projects worldwide.

Whether you are designing or developing a Residential Project, Hotel Complex, Spa Resort or Property Refurbishment, our technical team can advise from the outset. With detailed CAD drawings, build specification and bespoke manufacturing, PCS provide effective and durable product solutions designed to enhance the performance of your project.



Thermally Insulating



Waterproof



Sound Reduction



Lightweight



Tile Ready Surface

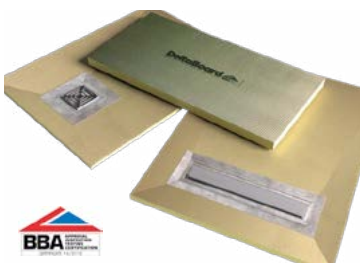
What's Under Your Tiles?

All PCS products are available through our national network of distributors and stockists.

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Supplying London with the finest stone

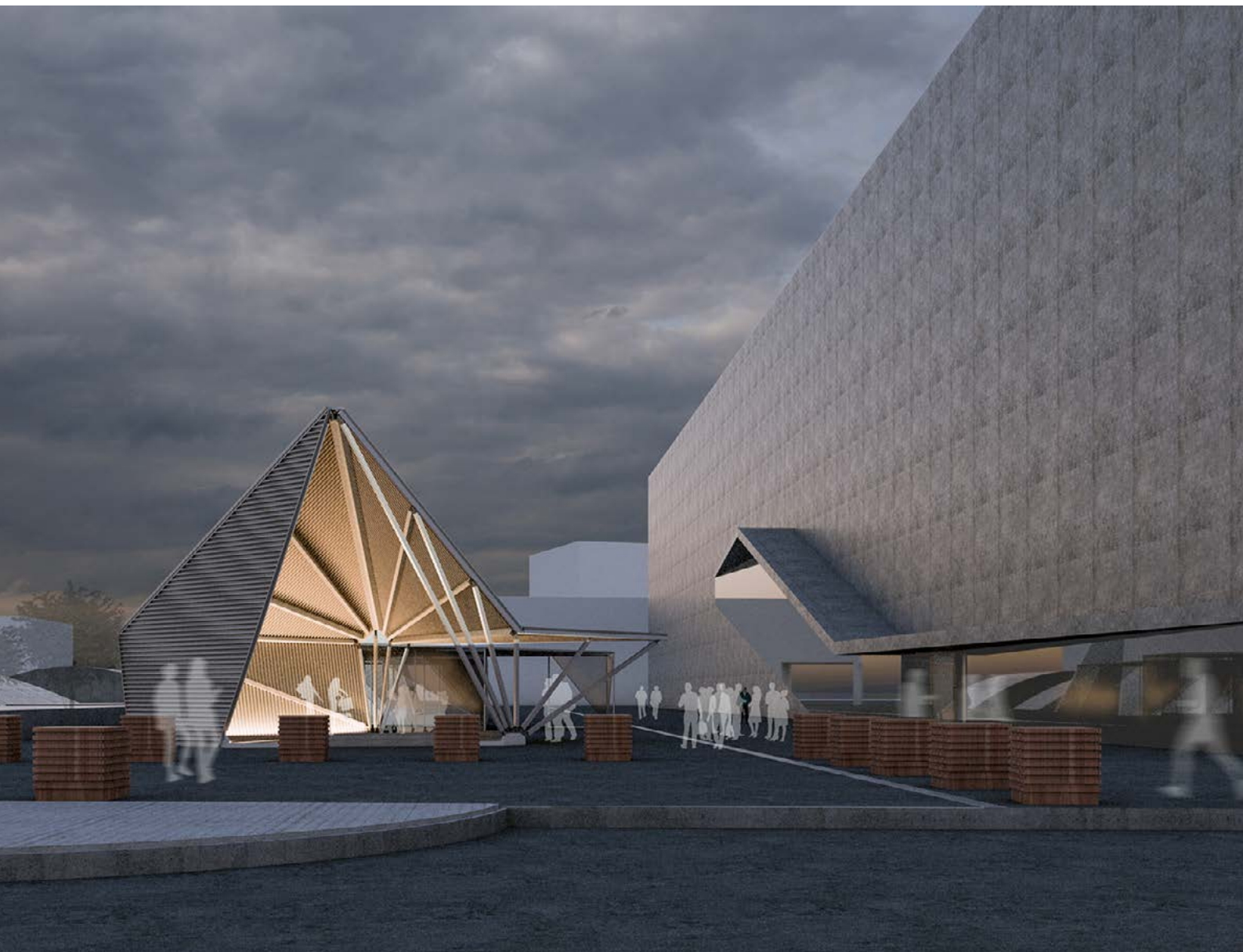
We have been supplying the local community and beyond for over 20 years, with a fine record of over 20000 kitchen worktops produced. With thousands of satisfied customers, you can't go wrong! We are committed to providing our customers with a high quality service, helping with the selection, measuring, delivery and installation of our products. We will try to accommodate all of your needs.

Interior design by Lizzie Barry

Tel: 02077938804 | Email: sales@granitelondon.net

Address: 57 South Lambeth Road SW8 1RH, London

Web: www.granitelondon.net



2019 SHORTLIST ANNOUNCED FOR ABB LEAF AWARDS

ABB LEAF AWARDS

The ABB LEAF Awards Judging Panel has today announced the 2019 official shortlist. Comprising best new architecture, planning and development projects, this year's awards see a record number of entries across 16 diverse categories, including the new categories of 'Best Arts & Culture Building' and 'Best New Start Up Practice'.

From China to Switzerland and many more - the shortlist includes projects of all scales and complexities from across the world. All of the shortlisted projects include buildings that are setting the benchmark for the international architectural community.

BEST ARTS & CULTURE BUILDING PROJECT

- GOA, 'Gravitational Field 2018 – The City Delta', Shanghai, China
- Johnston Marklee, 'Menil Drawing Institute', Houston, US
- Nikken Sekkei, 'Kokugakuin University Learning Centre', Tokyo, Japan
- OPEN Architecture, 'Dune Art Museum', Qinhuangdao, China
- OPEN Architecture, 'TANK Shanghai', Shanghai, China
- Steven Holl Architects, 'Glassell School of Art', Houston, US



BEST NEW START UP PRACTICE PROJECT

- AOE, 'Courtyard No. 1', Shandong, China
- DaeWha Kang Design, 'The Living Lab', London, UK
- MOZHAO ARCHITECTS, 'Living Art Pavilion', Shajing, China
- Nathanael Dorent Architecture, 'Ruins Studio', Dumfries, Scotland, UK
- UNITEDLAB Associates, 'Hadohilljo Townhouse', Jeju Island, South Korea



BEST TALL BUILDING PROJECT

- 5+design, 'Crystal Laputa', Chengdu, China
- Avcı Architects, 'Balance Günesli', Istanbul, Turkey
- Pelli Clarke Pelli Architects, 'Salesforce Tower', San Francisco, US
- Zaha Hadid Architects, 'Nanjing International Youth Cultural Centre', Nanjing, China



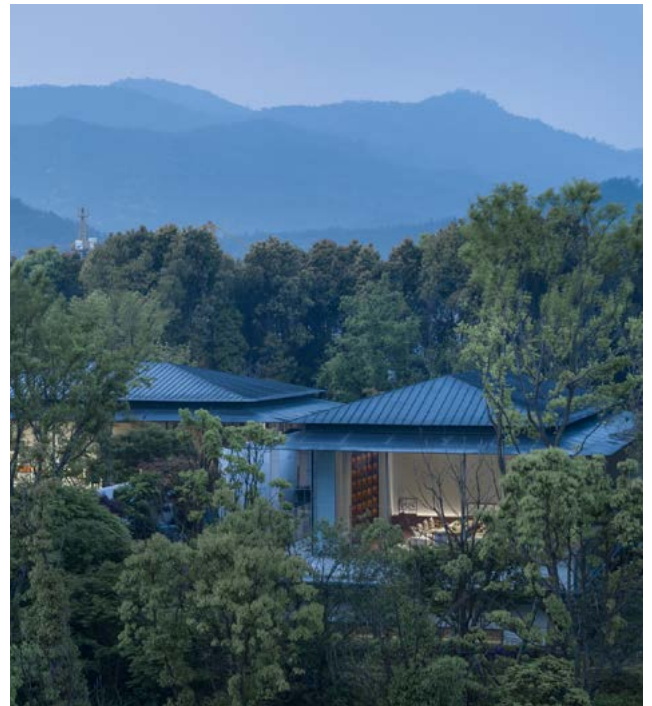
BEST REGENERATIVE IMPACT PROJECT

- DC ALLIANCE, 'Renovation of Nanjing Confucius Temple', Nanjing, China
- Marcy Wong Donn Logan Architects, 'Ford Point Revitalization', Richmond, US



BEST RESIDENTIAL BUILDING PROJECT – SINGLE OCCUPANCY – SPONSORED BY

- AR Design Studio, 'Creek House', Bosham, UK
- FujiwaraMuro Architects, 'House in Toyonaka', Osaka, Japan
- Origin Architect, 'Urban Home of Nature', Beijing, China
- Sanjay Puri Architects, '18 Screens', Lucknow, India



BEST MIXED USE BUILDING PROJECT

- Hangzhou 9M Architectural Design Co. 'Greentown Yiwu Peach Blossom Land Living Experience Centre', Yiwu, China
- INNOCAD architecture, 'Haus Salzkammergut', Gmunden, Austria
- Interval Architects, 'Tower of Bricks', Hengshui, China
- JEMS Architekci, 'P4', Warsaw, Poland
- Skidmore, Owings & Merrill, 'Manhattan Loft Gardens', London, UK
- West-line Studio, 'Up to the Mountain and Down to the River', Fuxing Town, China
- Zaha Hadid Architects, 'Generali Tower', Milan, Italy

THE SHORTLIST INCLUDES PROJECTS OF ALL SCALES AND COMPLEXITIES FROM ACROSS THE WORLD.



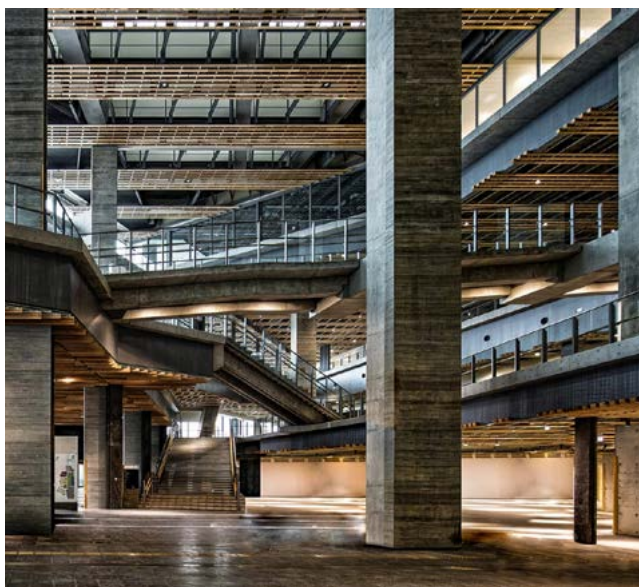
BEST RESIDENTIAL BUILDING PROJECT – MULTIPLE OCCUPANCY – SPONSORED BY

- DC ALLIANCE, 'Han Ling Yin Xiang', Zhejiang, China
- Kavellaris Urban Design, '101 Maling Road', Canterbury, Australia
- Sasaki Architecture, 'Daita', Tokyo, Japan
- Skidmore, Owings & Merrill, 'Manhattan Loft Gardens', London, UK
- Skidmore, Owings & Merrill, 'New Futura', Singapore
- TCHOBAN VOSS Architekten, 'Housing on Holzhalbinsel', Rostock, Germany
- UNStudio, 'The Scotts Tower', Singapore



BEST INTERIOR DESIGN PROJECT

- AD ARCHITECTURE, 'AD Architecture Office', Shantou, China
- ARCHSTUDIO, 'Layering Courtyard', Beijing, China
- BEHF Architects, 'Telegraf 7 Office JP Immobilien', Vienna, Austria
- Design Studio MAOOM, 'Coffee Nap Roasters 2nd', Seoul, Korea
- DP Architects, 'Work, Meet and Dream! Designing Workplaces to Inspire Youth', Singapore
- LSDCASA, 'Oct&Vanke The Riviera', Nanchang, China
- Naruse Inokuma Architects, 'Nine Hours Namba Station', Osaka, Japan
- Nikken Space Design, 'West Japan Railway Company Twilight Express Mizukaze', Various Locations, Japan
- Origin Architect, 'Urban Home of Nature', Beijing, China



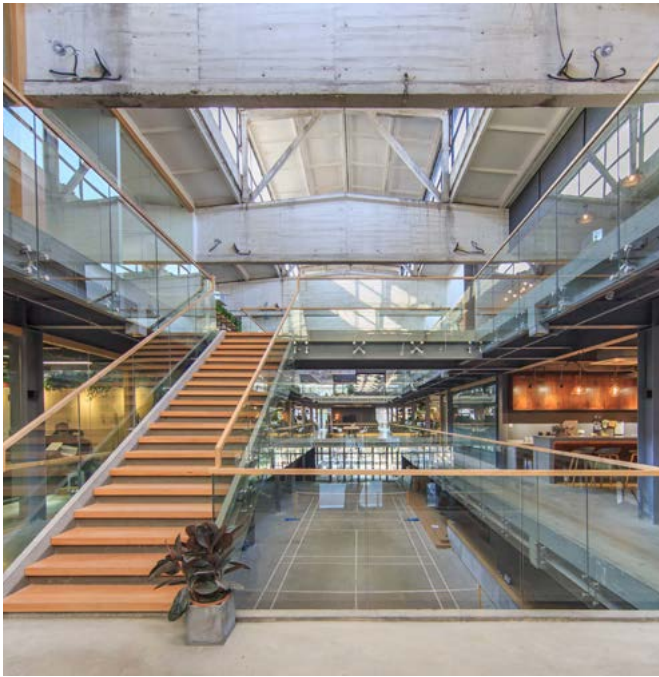
BEST COMMERCIAL BUILDING PROJECT

- AOE, 'Courtyard No. 1', Shandong, China
- Gianni Ranaulo Design, 'The Village - Outlet Shopping Center', Lyon, France
- KTX archiLAB, 'Cloud of Luster Wedding Chapel', Himeji City, Japan
- Nikken Sekkei, 'Shanghai Greenland Centre', Shanghai, China
- Nikken Sekkei, 'Sumitomo Fudosan Azabu-Juban Building', Tokyo, Japan
- Pelli Clarke Pelli Architects, 'Salesforce Tower', San Francisco, US
- TCHOBAN VOSS Architekten, 'Große Bleichen 19', Hamburg, Germany
- Yoshihiro Onodera Architects, 'KP-Project', Saitama-ken, Japan



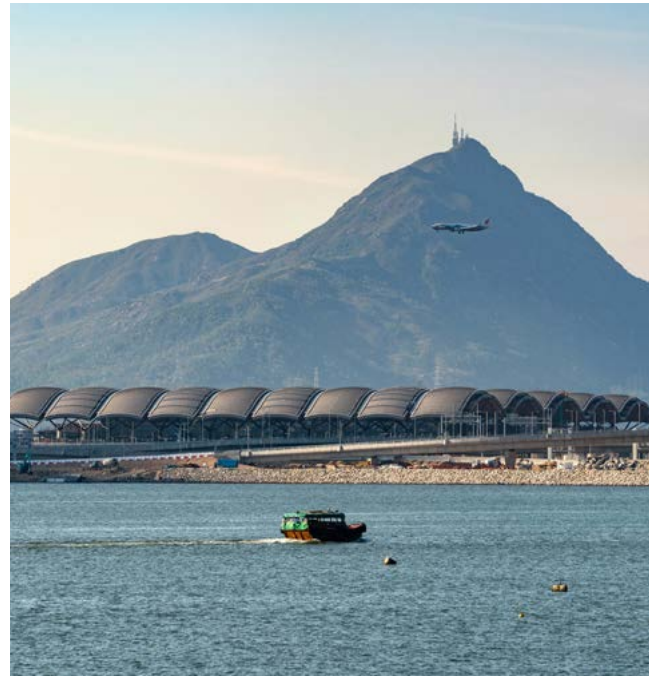
BEST HOSPITALITY BUILDING PROJECT

- Basalt Architects, 'The Retreat at Blue Lagoon Iceland', Grindavík, Iceland
- gad · line+ studio, 'Songyang Original Cottage', Langshu Village, China
- Lacime Architects, 'Xitang Ancient Town Tourist Centre', Jiashan City, China
- STUDIO QI, 'Annso Hill', Tengchong, China
- Tohata Architects, 'The Thousand Kyoto', Kyoto, Japan
- Zaha Hadid Architects, 'Morpheus Hotel', Cotai, Macau, China



BEST REFURBISHMENT PROJECT

- Antao Design, 'New Headquarters of Antao: Planet No. 16', Hangzhou, China
- Franklin Azzi Architecture, 'Beaupassage', Paris, France
- gad · line+ studio, 'Stray Birds Art Hotel', Chenjiapu Village, China
- Kris Lin International Design, 'Navigator', Tianjin, China
- Marcy Wong Donn Logan Architects, 'Uber Advanced Technologies Group R&D Center', San Francisco, US
- ODA New York, '10 Jay Street', New York, US
- OFFICEUNTITLED, 'Woodlark Hotel', Portland, US
- Zhang Hua Studio, Tianjin University Research Institute of Architectural Design & Urban Planning, 'Millet Vinegar Museum', Zibo City, China



BEST PUBLIC BUILDING PROJECT

- Aedas and Rogers Stirk Harbour + Partners (Joint Venture Designer), 'Hong Kong-Zhuhai-Macao Bridge Hong Kong Port Passenger Clearance Building', Hong Kong
- Andrew Bromberg at Aedas, 'Hong Kong West Kowloon Station', Hong Kong
- ENOTA, 'Termalija Family Wellness', Podcetrtek, Slovenia
- Nikken Sekkei, 'Nagasaki Prefectural Government Office', Nagasaki, Japan
- Pelli Clarke Pelli Architects, 'Salesforce Transit Center', San Francisco, US
- Steven Holl Architects, 'Hunters Point Community Library', New York, US
- Yazgan Design, 'Dakar Arena', Dakar, Senegal



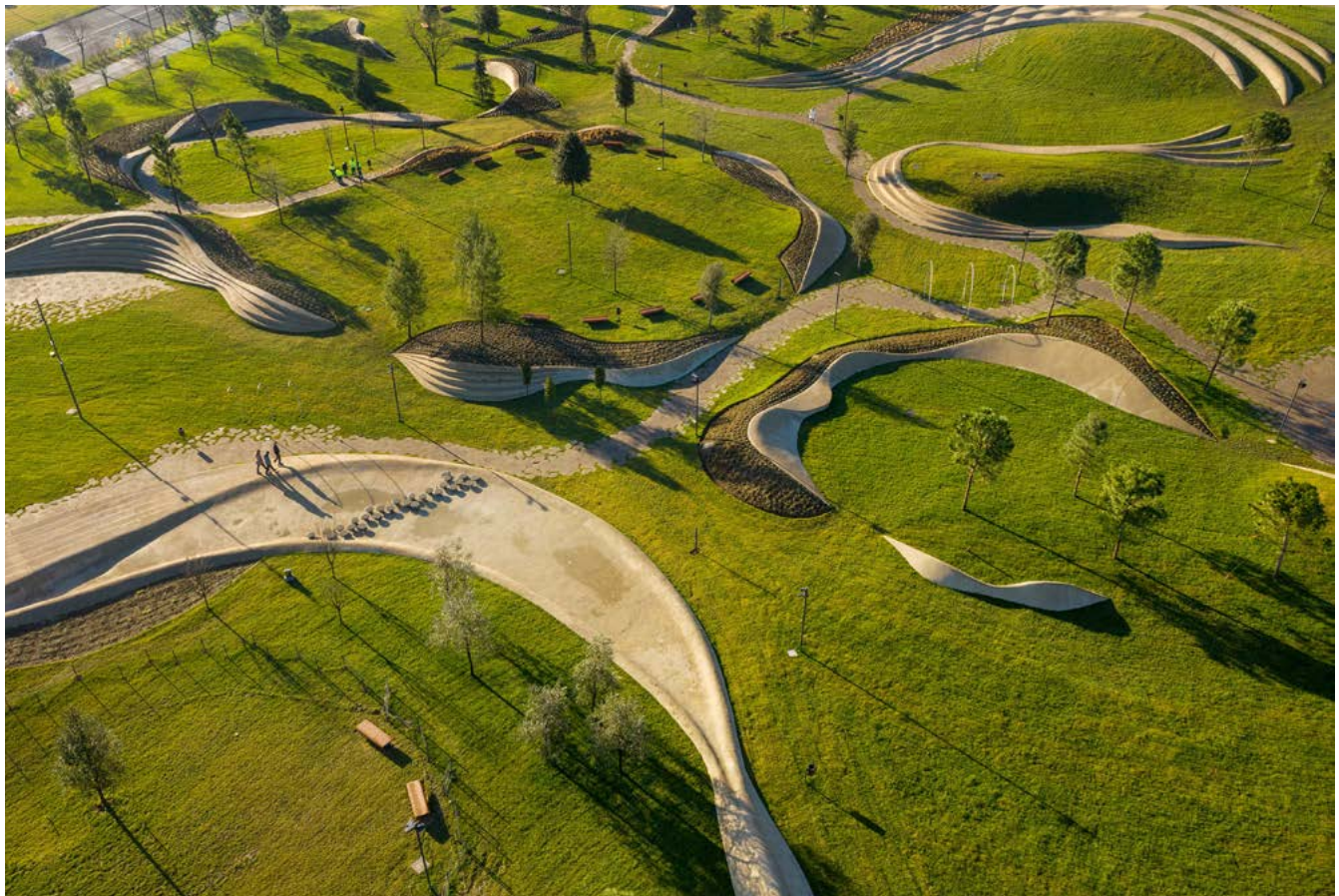
BEST ACHIEVEMENT IN ENVIRONMENTAL PERFORMANCE PROJECT

- Andrew Bromberg at Aedas, 'Hong Kong West Kowloon Station', Hong Kong
- Chain10 Architecture & Interior Design Institute, 'The Green Isle', Kaohsiung City, Taiwan
- HOLODECK architects, 'Austrian Embassy', Bangkok, Thailand
- LUO studio, 'Longfu Life Experience Centre', Puyang County, China



BEST FUTURE BUILDING UNDER CONSTRUCTION PROJECT

- II BY IV DESIGN, 'Aqualuna', Toronto, Canada
- ODA New York, 'Postkantoor', Rotterdam, The Netherlands
- Pascall+Watson, 'Tiruchirappalli International Airport New Terminal', Tiruchirappalli, India
- Sanjay Puri Architects, 'Learning Courtyard', Aurangabad, India
- Sanjay Puri Architects, 'Prestige University', Indore, India
- Skidmore, Owings & Merrill, 'Moynihan Train Hall', New York, US
- Yazgan Design, 'OIZ Office', Ankara, Turkey



BEST URBAN DESIGN PROJECT

- ENOTA, 'Koper Central Park', Koper, Slovenia
- MOZHAO ARCHITECTS, 'Zishe-Planting Pavilion and Planting Terrace', Shenzhen, China
- Skidmore, Owings & Merrill, 'Cornell Tech Campus Framework Plan', New York, US
- Zaha Hadid Architects, 'The Kensington', London, UK

24 October, Berlin Marriott Hotel. Special awards will include the Overall Winner presentation to the project that represents the most iconic architectural landmark; and the Lifetime Achievement Award.

We would like to thank all of our entrants this year as well as our prestigious ABB LEAF Awards Judging Panel:

Alan Crawford - Architect and Founder, Crawford Partnership Architects – Chairman of the ABB LEAF Awards
 Sir Peter Cook - Founder, Archigram & Director, CRAB studio
 Roland Bechmann - Managing Director & Partner, Werner Sobek Stuttgart
 Anne Becker-Olins - Senior Vice President, Design & Technical Services - Luxury Brands Europe, AccorHotels
 Werner Frosch - Director, Henning Larsen
 Ciara Gormley - Director - Head of Design, Lodha
 Monika Moser - Managing Director, Wilson Associates
 Viviana Muscettola - Associate Director, Zaha Hadid Architects
 Tateo Nakajima - Director, Arts, Culture & Entertainment, Arup
 Javier Quintana - Partner, IDOM Architecture
 Alireza Razavi - Founder, Studio Razavi Architecture
 Paolo Rossi - Associate Director, Pace
 Cees Van der Spek - Public Affairs & Global Corporate Relations Director, OVG
 Bernard Storch - Partner, PLP Architecture
 Lucy Tilley - Associate Principle UK & Global Projects, Adjaye Associates

For 2019, the LEAF Awards are proud to announce once again Headline Partner and Trophy Patron ABB.



BEST FAÇADE DESIGN & ENGINEERING PROJECT – SPONSORED BY

- Chapman Taylor, 'City Plaza', Wuppertal, Germany
- Marcy Wong Donn Logan Architects, 'Center Street Parking Garage', Berkeley, US
- Skidmore, Owings & Merrill, 'Manhattan Loft Gardens', London, UK
- Tezuka Architects, 'Tomioka Chamber of Commerce', Tomioka City, Japan
- Zaha Hadid Architects, 'Morpheus Hotel', Cotai, Macau, China

This year's ABB LEAF Award Winners will be announced on Thursday

To find out more about the ABB LEAF Awards 2019 or book tickets, visit: www.arena-international.com/leafawards/ @LEAF Awards Forum

MAPEI'S MAPETHERM SYSTEM ADDS TO THE SCENERY

Two of Mapei's complete external wall insulation and protective coating systems have been specified and installed on an impressive house renovation on the coast of Dordrecht, Cornwall.

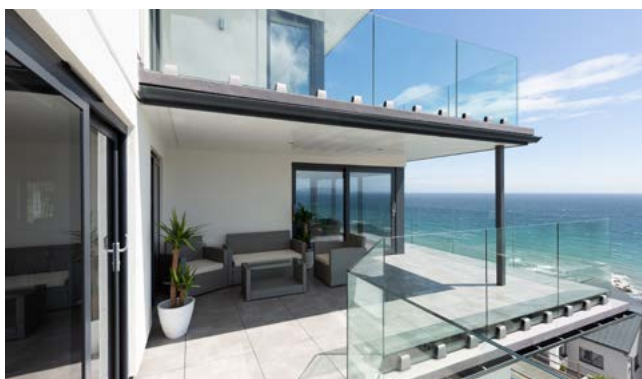
Contractor and client/project manager Jim Lockyer of James Lockyer Associates Ltd undertook the multi-disciplinary planning, design and specification of the project.

Mapetherm EPS Plus insulation board, Mapetherm AR1 GG insulation adhesive and reinforcing render with Mapetherm Net was used over the existing masonry construction to provide thermal benefits.

A new timber framed structure was added to the building and finished with a Mapetherm Thin Coat render only system; consisting of Mapetherm AR1 GG with reinforcing mesh (Mapetherm Net) and Mapetherm Plus System, which incorporates Silancolor Base Coat and Silancolor Tonachino Plus 1.2mm applied to a cement board. For a uniform finish, this is the ideal solution for a structure exposed to the extreme elements of a coastal location where mould and algae growth is prevalent.

To provide a uniform finish, both systems were completed using Mapei's protective and decorative coatings, Silancolor Base Coat and Silancolor Tonachino Plus 1.2mm. Mapei's standard White, an off-white colour, was selected to complement the geographical setting along the coastal road.

Mapei's Silancolor Tonachino Plus is a trowel-applied, textured and coloured finish available in a range of grain sizes. It contains BioBlock® anti-mould and DropEffect® water-repellent properties, making it the ideal solution to coastal climates and those that favour damp.



Mapei's protective and decorative coatings are available in an infinite range of colours available with the ColorMap tinting system.

www.mapei.com

LISTED BUILDING CAN BREATHE AGAIN

After more than 60 years as a school Grade II Listed Moreton House in Bideford, north Devon, has been returned to family ownership.

Cement repairs and vinyl paints had caused a lot of damp to build up inside the walls. In many places moisture was trapped behind the paint.



Internally, the walls are either lath and plaster or lime plastered stone. Earthborn's Claypaint was specified to prevent future damp problems by ensuring the internal walls can breathe.

Claypaint is a unique, clay based emulsion that maximises the natural properties of clay to create a high performance, highly breathable paint that covers exceptionally well and gives a distinctive, ultra matt finish.

Claypaint is virtually VOC free and does not give off any toxic emissions so it is safer for the health of building occupants as well as the environment. Its eco credentials include the stringent EU Ecolabel.

Claypaint is available in Earthborn's signature palette of 72 shades.

www.earthbornpaints.co.uk

Why buy **STINKY** paint from the DIY shop when you can **BREATHE CLEAN** with EN71 ODOURLESS ZERO-VOC Lakeland Paints?



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JOSEPH ASH GALVANIZING:

PROUD TO POWDER COAT, DUPLEX COAT AND GALVANIZE THE UK

Joseph Ash Galvanizing provides services include galvanizing, spin galvanizing, shot blasting, powder coating and duplex coatings. As a UK leader of steel finishing services, with a long heritage dating back to 1857, the company is proud to powder coat and galvanize the UK.

When it comes to corrosion protection, Joseph Ash Galvanizing provides the highest standards of quality available and serves all types of customers from large construction companies and fabricators, to sculptors and architects.

The position as a steel finishing UK leader stems not only from Joseph Ash Galvanizing's industry-leading levels of customer service – which meet the most exacting requirements of customers and end users – but also from an ethos of outstanding technical knowledge and additional services which include:

- Collection and delivery
- On-site storage facilities
- A range of different bath sizes and lifting capabilities
- The ability to powder coat aluminium as well as steel.

With a number of different bath sizes at the various plants (including one of the widest galvanizing baths in Europe at the Telford plant), everything from structural sections to staircases, gates to railings, and flooring to access support steelwork can be treated.



(Medway Crematorium, winner of RIBA South East Regional Awards in 2014, galvanized and powder coated by Joseph Ash Galvanizing in 2013)

DUPLEX COATINGS AND POWDER COATINGS AT JOSEPH ASH MEDWAY

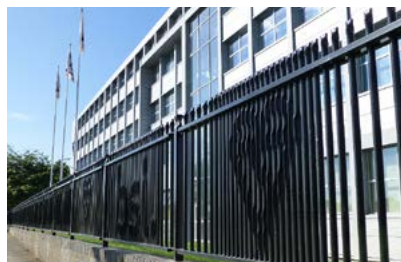
Powder coating and duplex coating services are provided by the company's Joseph Ash Medway plant.

Duplex coatings are a synergy of hot dip galvanizing and powder coating, suitable for all for all types of steel architectural projects.

Used independently, a galvanized coating and a powder coat provides a good level of protection for steel. However, as steel begins to age, the galvanized zinc coating erodes, making the steel more susceptible to weather damage. If, however, the steel has also been painted or powder coated, the synergistic effect acts as an extra barrier, which slows down the zinc erosion rate and provides a far superior level of protection to extend the life of steel.

The additional benefits of a duplex coating are: durability; ease of repainting; economical; sustainable; environmentally friendly; and

guaranteed for up to 40 years (dependent on the type of powder used).



(Joseph Ash Medway treated the steel railings outside the British Standards Institute building with a duplex coating of a galvanized substrate, as well as a powder coated finish.)

Duplex coating services are provided as a one-stop-shop service by the company's Joseph Ash Medway plant, who provide a wide variety of durable finishes from metallic to textured, in a huge range of bright colours with varying matt, satin and gloss levels.



(To see a range of some of the powder coating colours on offer by Joseph Ash Galvanizing, view the powder coating swatch page on their website www.josephash.co.uk/swatch/?Powder-Coating-Colour-Swatch). Other colours are also available.)

APPROVED APPLICATORS OF SYNTHA PULVIN PAINTS

To support the company's powder coating and duplex coatings services, Joseph Ash Medway was granted approved applicator status for Syntha Pulvin architectural coating solutions in 2017.

Syntha Pulvin is the premier architectural powder coatings brand in Europe, offering a wide range of Architectural Powder Coatings formulated to decorate and protect architectural aluminium and galvanized steel exposed to ultraviolet conditions and extreme weather.



(Duplex coated railings treated by Joseph Ash Medway, installed around a park in Horsham, in 2016)

If you'd like to know more, contact Joseph Ash Galvanizing on 01795 479489, visit their website at www.josephash.co.uk/services/duplexcoatings, or email them at medwayinfo@josephash.co.uk

Colourful duplex coatings provide longevity for steel protection.

Guaranteed for up to 40 years (*subject to T&Cs).

Superior duplex coatings for steel

Improve the appearance and prolong the life of steel with superior duplex coatings – a synergy of hot dip galvanizing and powder coating – from Joseph Ash Medway.

Suitable for all types of architectural steel fabrication, including gates, railings, staircases, lighting, and flooring.

Protect and perfect your steel projects with our one-stop-shop service.

Contact us today for a no obligation quote!

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GUARANTEED*

Joseph Ash Medway

Castle Road, Eurolink Industrial Centre, Sittingbourne, Kent, ME10 3RN

+44 (0)1795 479489

medwayinfo@josephash.co.uk | www.josephash.co.uk

MBS SOFTWARE: TRUSTED SOLUTIONS FOR DAYLIGHT & SUSTAINABILITY

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

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

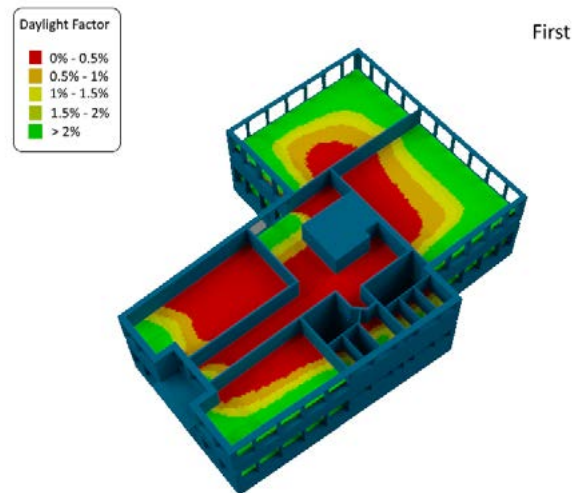
These are enabling customers to carry out a range of tasks, quickly and efficiently, within a familiar and intuitive software environment. Tasks include:

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

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

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

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



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

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

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

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

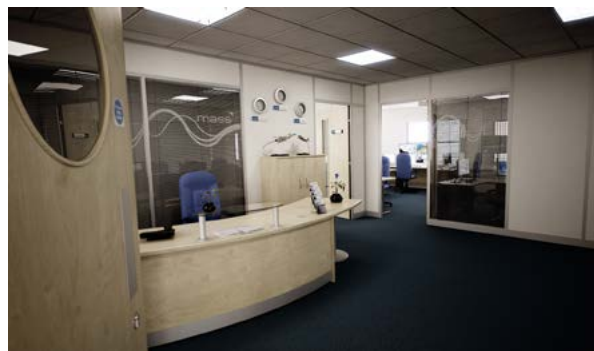
Most focus, however, for architects and developers is likely to rest on the ability to rapidly convert 3D models and to produce smart, 'fly-through' virtual show rounds for both commercial and residential property.

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

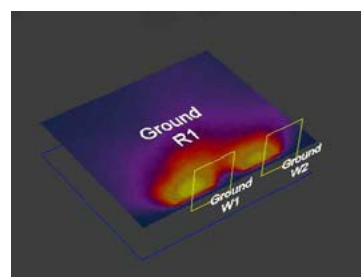
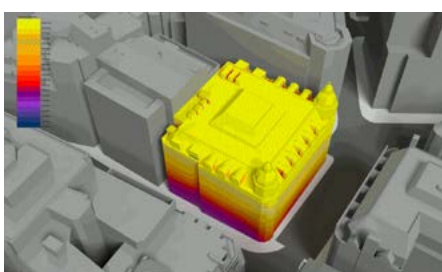
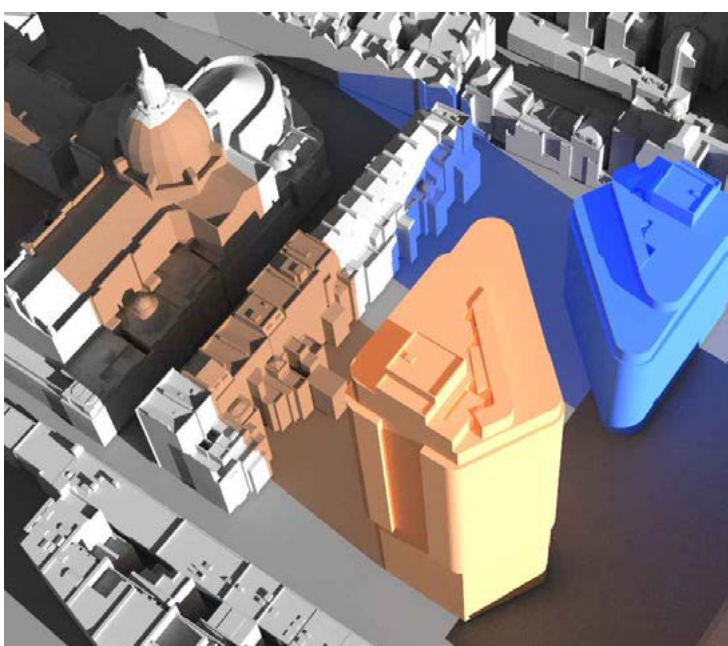
Company spokesman Jack Howell commented "CGI showcases building designs that may otherwise prove challenging to show either in traditional drawings or as a physical 3D model. The most exciting and exacting part of our work continues to be the production of computer-generated visualisations with realistic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

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

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



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Waldram Tools - Daylighting Software

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

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

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

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

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

The software produces:

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

Available for AutoCAD 2014-2020*

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

For more information contact us on:

Tel: 020 3176 0984

• email: info@mbs-software.co.uk

• www.mbs-software.co.uk



COULD CPD HELP CONSTRUCTION WORKERS POST-BREXIT?

With Brexit remaining at a standstill after Theresa May's crushing defeat, the future of the construction industry is also very much up in the air. The UK has relied heavily on the proficiency of overseas workers to plug the skills gap in this sector which continues to be inundated with residential and infrastructural projects. The UK population is anticipated to expand by 3.6 million (5.5%) over the next decade and the construction workforce will continue to experience an increased demand for their expertise.

The Landscape For Construction Workers

Figures from the Office for National Statistics (ONS) also highlight that the construction industry is struggling to attract young UK-born workers which is resulting in an ageing industry. In 2011, it was estimated that one in every five UK-born construction workers were aged over 55, meaning that by 2021, those individuals will be on the cusp of retirement age.

This has highlighted a significant recruitment and training deficiency as well as a lack of investment that has been rooted in the industry, even before the fractious divide of the referendum. While the government attempts to provide the public with answers, they have failed to guarantee the construction sector that they will have access to the EU talent pool that has served our island nation for centuries. It is therefore paramount that homegrown companies provide reassurance and necessary financial support to existing EU workers as this time of great uncertainty.

Whatever the impact of Brexit (when and if it is eventually delivered), it is imperative that these workforce shortfalls are anchored and re-evaluated so that this skills void can be bridged over the longer-term. James Bryce, head of strategic workforce planning at Arcadis has affirmed that greater action needs to be taken in researching modern methods of construction and diverting its profits into training and development. This would undoubtedly help relieve some of the concern in relation to the recruitment of the 400,000 plus workers that the industry requires each year to deliver on the UK's housing and infrastructure needs.

It is critical that native organisations and professionals engage in different training methods to keep up to date with the innovative changes and cutting-edge technology now commonplace for the likes of builders, masons and plumbers.

An effective solution for this fast-moving environment could be a strategic focus on Continuous Professional Development (CPD). This would consist of creating a diverse workforce by delivering substantial backing for this trusted self-driven style of learning. Professionals create a portfolio documenting their progress and constantly review the skills, experience and knowledge that they have learned both during and outside of working hours.

Evidence of CPD is an attractive proposition for potential employers as they are taking on a reputable and motivated individual which gives them the opportunity to position themselves as experts in their field.

Construction professionals and those aspiring to engineer a move into this industry can benefit from thousands of institutes and professional bodies offering different processes for learning, including seminars, ideas sharing, training workshops and events. This accredited learning in construction acts as testament for a worker's commitment to the industry along with their ambition. It can also future-proof their company by strengthening working relationships through the communication of key industry messages and practices.

Regardless of a soft or hard Brexit, the construction industry must be prepared to take a short-term hit in return for long-term stability by implementing a culture that values internal progression. Providing this stimulus to staff will actively increase their understanding of the industry and encourage them to adapt to new policies and procedures in the constantly evolving sphere of construction.

CPD could yet prove to be the catalyst that moves the construction monopoly into the 21st century and alleviate any fears of a national skills shortage for years to come. Please visit the Construction CPD Industry Hub for more relevant information, courses and upcoming events.

cpduk.co.uk

How To Help The Construction Industry Post-Brexit



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INNOVATION IN CONCRETE

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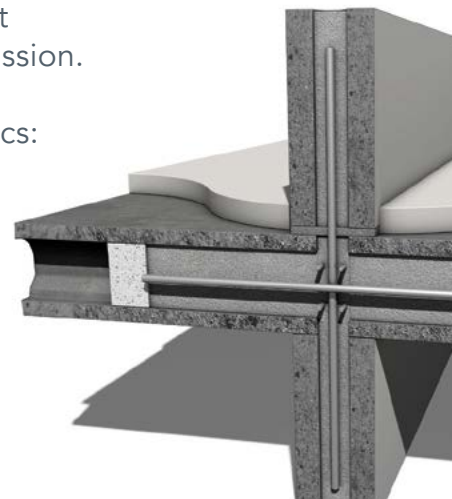
DEVELOPMENTS IN OFFSITE CONCRETE TECHNOLOGY



Precast concrete construction can be considered as an option for any building project. The entire structure or individual elements of a building can be formed utilizing precast concrete components. Precast concrete has many applications for single and multi-storey construction and factory produced precast concrete cladding offers wide scope for architectural expression.

This seminar will help you to understand the following topics:

- The drivers for off-site technologies
- The benefits of concrete construction
- The additional benefits of precast concrete
- Precast concrete components
- The various forms of precast concrete construction
- Commercial and residential applications
- Precast concrete cladding solutions



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SCOTLAND

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Newbridge, Edinburgh
EH28 8PJ

IS BUYING OPTIONS A WASTE OF MONEY?

This informal CPD article was provided by Options Insight, experts in providing basic trading fundamentals, live interactive trading simulations and in-depth derivatives trading workshops. It's true what they say, most options do expire worthless. But does that mean that buying them is a "mug's game"?

The systematic, risk premium harvesting, carry earning and yield hunting crowd would certainly answer with a resounding "YES" to that question.

A DIFFERENT PERSPECTIVE ON BUYING OPTIONS

Imran Lakha at Options Insight, with around 20 years of front-office options trading experience, has a slightly different perspective. If you understand how option premium behaves and the main factors that effect the pricing of these quite simple and commoditised products, then you can harness the power of optionality to benefit immensely when you tactically and selectively buy options.

There is little doubt that since the 2008 financial crisis, global central banks have effectively declared war on volatility and will do "whatever it takes" to backstop financial asset prices at the first signs of trouble. US equities just made new all-time highs this month and we are still fully expecting a 25 basis point rate cut from the Federal Reserve at the end-July meeting. There used to be a time that rate cuts were reserved for crisis prevention, how that has changed. The powers that be are not even pretending anymore that asset price inflation is not top of the policy agenda. Rather than accepting the reality that these asset inflating policies are doing nothing more than increasing inequality between the rich and poor, they continue to cling on to the hope that the wealth effect will generate some kind of self-sustaining economic growth.

HOW THE PREMIUM OF AN OPTION WILL EVOLVE THROUGH TIME

So in this volatility suppressed world, how can buying options ever make sense? The key to answering this question lies in knowing how the premium of an option will evolve through time and different levels of price in the underlying asset. Granted that if you buy a call option because you are bullish on a stock and the stock drops like a stone and never looks back, you are most likely going to lose your premium and there isn't much you can do about it. Likewise, if you buy a put option on the Nasdaq after the market has had a 5% correction and the volatility index (VIX) has risen from 12 to 25, the odds are you won't see that premium again.

HOLDING AN OPTION TO MATURITY

Buying an option and holding it to maturity means that you have to get the direction of the market right, and it has to stay there for long enough that your option expires in the money. All whilst, the time decay keeps eating away at your gains, leaving you exposed to the risk that your market view might have been correct but you still lost money. The way to buy options profitably is to think like a sniper, get in and get out quickly. Options give you leverage. You can spend a small amount of premium for a potentially massive return if you catch a big move and cash in on that move by selling the option out to realise your gains.

A POWERFUL WAY TO TRADE RISK

If done correctly, buying options can be an incredibly efficient and powerful way to trade risk, generating alpha through superior risk adjusted returns. Apart from tactically buying options to gain leverage to a breakout in the price of a stock, a



common use of options is for hedging. Many established money managers use put options to hedge their portfolios from macro shocks, enabling them to stay fully invested in the market but have confidence that their drawdowns will be limited if the market were to correct sharply lower. The most successful of these investors also know that once their puts have done their job in the event of a market crash, then they should monetise them by either selling them or rolling them in some way either to lower strikes or longer maturities.

UNDERSTANDING THE AVERAGE DURATION OF VOLATILITY SPIKES

Like with all forms of trading, you have to evolve with the market, and options buyers have had to understand that the average duration of volatility spikes is becoming smaller and smaller. Therefore, the window of opportunity to monetise hedges has also become narrower, meaning only the quickest and most prepared investors will actually be able to profit from owning these types of positions. The fact that it has become so challenging to convert a long option position into profit has led to some investors abandoning using them and also many long volatility funds closing down due to consistently poor performance. This in turn has reduced the demand for options and meant the price for implied volatility has continued to drift even lower, presenting greater opportunity for those who dare to step up to the plate and spend premium.

I think most people would agree that it's good to have options in life. In the uncertain world we are in today, I suggest that there may even be a time and a place for them in your investment portfolio.

We hope this article was helpful. For more information from Options Insight, please visit their CPD Member Directory page. Alternatively please visit the CPD Industry Hubs for more CPD articles, courses and events relevant to your Continuing Professional Development requirements.



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- The concept of fibre cement rainscreen cladding.
- An overview of the benefits to the structure and the fixing systems and some of the typical details used in these systems.
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LEAD8 JOINS RENOWNED INTERNATIONAL TEAM TO DESIGN ONE BANGKOK

• LEAD8

Lead8, the international award-winning design firm, has been appointed to the renowned international team designing One Bangkok. Jointly developed by TCC Assets (Thailand) Co., Ltd. and Frasers Property Holdings (Thailand) Co., Ltd., the highly-anticipated future development will deliver 1.83 million square meters of integrated mixed-use development on a 16 hectare site in the heart of Bangkok.

“Lead8 is incredibly excited to be involved in such a transformational and ground-breaking development as One Bangkok. The vision for the project is truly inspirational and will deliver a world-class destination to elevate Bangkok on the world stage,” said Simon Chua, Co Founder & Executive Director of Lead8.

Located adjacent to the city's iconic Lumpini Park, One Bangkok will be Thailand's largest integrated development comprising premium grade A office buildings, luxury and lifestyle hotels, luxury residential towers, interconnected retail precincts, art and cultural hubs, and public space. The development is expected to accommodate up to 200,000 people daily following its full completion in 2026.

Lead8 is working with a team of local and international design consultants to complete the multi-retail development component of One Bangkok.

"Our design has created a network of diverse retail destinations within the One Bangkok district, each with distinctive identities. We are pushing the boundaries and defining new trends in urban development. At the heart of it all is people-centricity, designing to capture and ignite the imagination of the people and community

coming to One Bangkok," added Meeta Patel, Co Founder & Executive Director of Lead8.

One Bangkok aims to be the first LEED-Neighborhood Development Platinum development in Thailand. The development will feature eight hectares of green and open spaces, with architecture and tropical planting seamlessly intertwined to establish a tranquil setting in a vertical environment. An urban green park, combined with a network of pedestrian streets and alleyways, sky parks and public plazas will help to transform Bangkok's city-centre and become a new global and 'people-centric' landmark destination.

The development has commenced construction and is set to open in phases from 2023.

www.lead8.com



THE HIGHLY-ANTICIPATED FUTURE DEVELOPMENT WILL DELIVER 1.83 MILLION SQUARE METERS OF INTEGRATED MIXED-USE DEVELOPMENT ON A 16 HECTARE SITE IN THE HEART OF BANGKOK.

TOUCH

IRONMONGERY LTD

www.atochofbrass.co.uk

210 Fulham Road, Chelsea London SW10 9PJ

THE PERFECT TOUCH

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

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

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

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

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

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

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

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

For more information about Touch Ironmongery or to arrange a showroom visit please call 0207 351 2255 or alternatively visit www.atochofbrass.co.uk



BRITISH & EUROPEAN MANUFACTURERS SUPPLYING THE FINEST QUALITY IRONMONGERY

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

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

Olaria, available from Touch Ironmongery

www.atouchofbrass.co.uk & www.olariabarcelona.com





MARYHILL HEALTH CENTRE: A BRAND NEW BEACON OF HEALTH BY METAL TECHNOLOGY

Maryhill Health Centre is a shining example of a state-of-the-art regeneration project built to showcase the latest technology and healthcare provision in a way that is inspiring and inviting to the public. The project brings together an impressive suite of solutions from architectural aluminium systems' company, Metal Technology.

The building was designed to replace the old health centre as part of the city of Glasgow's wider regeneration plan for Maryhill. The new centre incorporates GP Practices, physiotherapy, podiatry, community dental services, district nursing, health visitors, community mental health services, youth health service and health improvement teams.

With a project value of approx. £12.4m, the Health Centre features a combination of Metal Technology's System 17 SP and System 17 Capped curtain walling systems alongside a combination of System 5-35 Hi Tilt & Turn windows, System 5-20D doors and distinctive LV023 louvres.

The impressive full height atria, creates views to waiting areas and reception points across multiple floors which assists with way-finding in the centre. Additionally, the sky-facing windows flood the building with natural light, inducing a sense of calm within the space.

Metal Technology was selected for this project due to its ability to provide proprietary barrier load tested external grilles as an integrated solution onto capped / flush silicone pointed curtain walling within tight budget constraints. This fenestration configuration maximised the potential natural ventilation provision whilst using the minimal number of window openings – making the solution financially economic yet technically robust.



Jackie Kerr, Head of Operations, North West Locality, Glasgow Health & Social Care Partnership, said: "The new Health and Care Centre is a state of the art building, giving increased capacity and more services to local residents of Maryhill in a welcoming modern environment."

All Metal Technology systems are designed to perform seamlessly together to deliver the desired aesthetic and performance standards. Used individually or together, they offer complete design flexibility for creative aesthetics with the assurance of value engineered structural, weather and security performance.

For more information visit www.metaltechnology.com

Tommy Walsh talks Crocodile Garage doors.



What's not to love about a Crocodile Garage Door? Designed to add style, security and even value to your home. Call Crocodile and find out how quick and simple they are to install. You'll love the neat, space-saving design and that it's a doddle to use.

But you know what I love?

The craftsmanship, no wonder it's rated as the best garage door in the UK.

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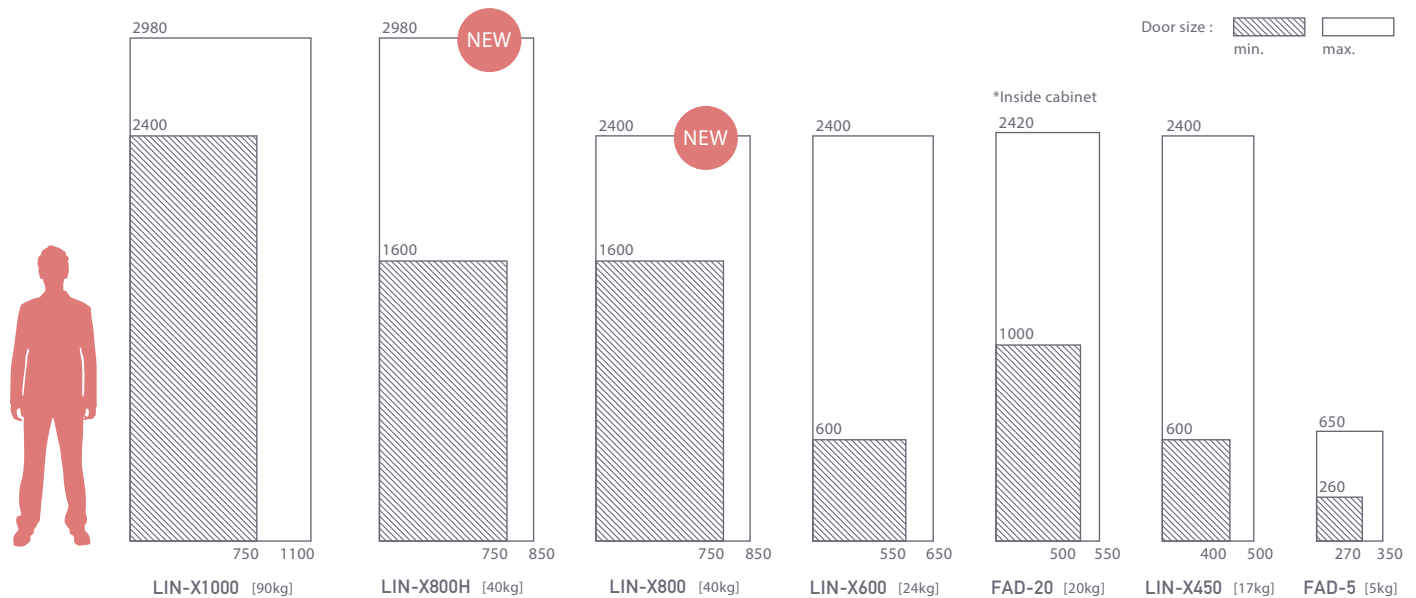
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*Credit is available and is subject to status and affordability. Terms and conditions apply.
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**Subject to terms and conditions.

Ideal for Walk-in closet, hidden shop storage, restaurant or ballroom bars as well as partition office doors.



Doors. They open, they close - what else is there to say? Most of the time, we don't even think about how they move. The options seem limited and obvious. Push or pull, everything happening in a defined arc, swing out, swing in.

The only time we are likely to think about how our doors open and close is when the standard options are either impractical or undesirable. What happens, for example, when you have cupboard and cabinet doors in tight spaces and they cannot open fully because other objects block the way?

What about cases where, for safety as well as aesthetic reasons, you would like to have doors that can be left open but tucked neatly out of the way, rather than intruding out into the space in front?

For decades, Sugatsune has specialised in applying the finest traditions of Japanese precision engineering to solving everyday practical problems like these. From a mechanical point of view, doors swing out and in on a rotational pivot because that is the simplest way to design a hinge. But Sugatsune has never been satisfied with simple. In our view, doors need not be limited to opening with one motion. All you need to do is reimagine how hinges work.

The result of this way of thinking is our premium range of lateral opening door hinges. Developed and honed over a period of years, the range now offers solutions for everything from lightweight bathroom cabinets to full length walk-in wardrobes, providing lateral opening to doors with a maximum load of 5kg all the way up to 90kg.

The key benefit of lateral opening hinges is the space you save. With a smaller opening radius than standard pivot hinges, it means you can enable full opening of cabinets in even the tightest kitchens and bathrooms. With open doors sat flush to the adjacent surface, neatly tucked out of the way, you get better access and less of a risk of bumps and trips. This applies equally to corner configurations as it does to cabinets set next to each other horizontally. With corner cupboards in kitchens, for example, lateral hinges mean you can open both cupboards fully at once.

While the core of our range was originally designed for bathroom and kitchen cabinets, we also recognised the benefits of lateral opening for larger cupboard and wardrobe doors - especially in situations where installing tracks for a sliding door is impractical. Our Lin-X1000 model, de-

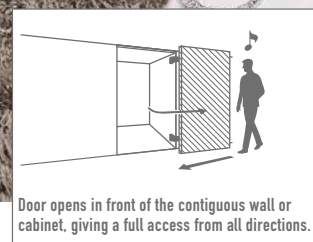
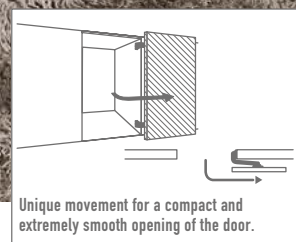
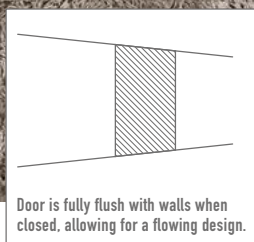
signed for walk-in closets, office partitions and other full-length doors up to 2.9m in height and weighing up to 2.9kg, won awards for the way we reengineered the lateral hinge concept to cope with the extra weight. The latest addition to our range, the Lin-X800, applies the same mechanism for use on slightly smaller wardrobe doors.

All of our lateral hinges also deliver exceptional smooth motion and soft close as standard. Our FAD-20 hinge, for example, makes use of a gas spring to minimise resistance when opening and closing, and holds doors firmly in place in open and closed positions. Built-in dampers on all of our lateral hinges ensure the motion of every door is slowed as it closes, minimising the risk of slamming and trapped fingers.

Finally, while most of our lateral hinges are designed to pull doors open, the MFU-1000 offers something different again. Incorporating a track system, the MFU-1000 operates with the door pushed inwards and then slid to the side. One intriguing use of this mechanism is its suitability for 'hidden doors', as the push operation means you don't need any handle to pull on.

Sliding doors. Without the tracks.

Introducing the
Sugatsune LIN-X800
lateral opening hinge.
A new concept for
keeping wardrobe doors
out of your space.



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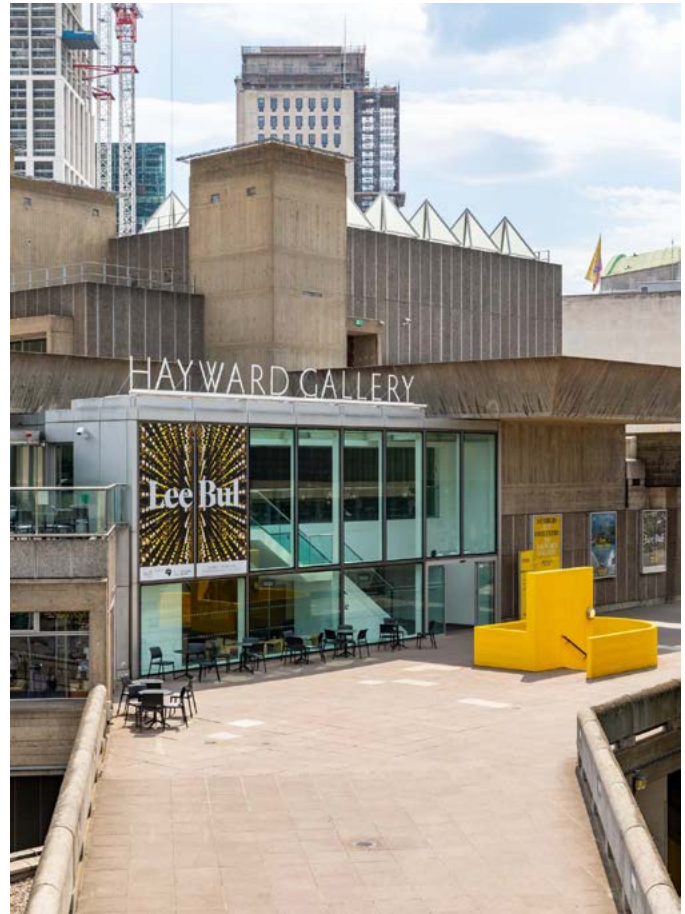
'ALUPROF GIVES LIGHT TO HAYWARD GALLERY'

Since opening in Summer 1968, the Hayward Gallery has earned its title as one of the worlds leading contemporary art galleries. Closed in September 2015 and open again in January 2018, the Gallery underwent an extensive two year refurbishment programme. In May 2019 the refurbishment won the prestigious RIBA London Award Awards and RIBA the National Award 2019.

The main focus of the refurbishment was the replacement of sixty-six glass pyramid rooflights which were re-engineered to let controlled natural lighting into the upper galleries for the first time. The refurbishment was made possible by a grant from Arts Council England, the Heritage Lottery Fund, trusts and foundations, and Southbank Centre friends supporting the 'Let The Light In fundraising campaign.'

For the new pyramid construction the architects chose to use aluminium profiles from Aluprof's MB-SR50 Curtain Wall system. The four sided pyramids are glazed on two sides with laminated low-iron glass and to maintain weathering the square base of the pyramid rooflight, utilised an additional 5° slopped, low-iron, double glazed unit. The two glazed sides of the pyramid offer sun shading to the lower, 5° sloped glazing whilst still allowing a view of the sky from below through the two open sides of the pyramid.

The sixty-six new pyramid rooflights replace the original, problematic, heavily leaded, single glazed Georgian glass units. Early in the buildings life these dysfunctional original units had been blocked out, now, with the support of Aluprof, the building retains not only its original design intent but offers high levels of thermal efficiency thanks to the introduction of double glazing and high performance thermal breaks in the frames design.





With the careful selection of glass, the change in available light, as the sun is obscured by clouds, is minimised, thereby offering a more constant light level in the gallery space below. Reinstating a now controllable blackout blind below the rooflight offers further flexibility for the use of the gallery space below.

Architects on the project are Feilden Clegg Bradley Studios and the redevelopment of the gallery is just part of a wider £35 million upgrade of the Southbank Centre in time for its 50th anniversary. Of heavy 'Brutalist Architecture' design, popular back in the 1960's, the architect has sympathetically updated the gallery meeting today's display requirements, but maintaining the original design intent of the period.

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

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



UPGRADES TO REYNAERS' MARKET-LEADING HI-FINITY RANGE OFFER GREATER CHOICE TO ARCHITECTS AND HOMEOWNERS

Reynaers, the leading supplier of sustainable aluminium solutions, is announcing a series of new options for its Hi-Finity range of patio doors, including a manual lock and a double-wheel carriage. Hi-Finity patio doors are the epitome of modern design. They are structurally glazed and include an ergonomically designed handle and a concealed locking system.

Aiming to offer homeowners more choice than ever before, Reynaers has now introduced the new manual lock system, as an addition to the popular automatic option as part of the Hi-Finity range. The manual lock means that an electrician is not required on site during installation, giving the installer and the homeowner greater flexibility.

Another key feature of Hi-Finity is the doors' impressive size and weight, which can reach a maximum height of three and a half metres, a sliding panel weight of 750kg and a fixed pane weight of 1200kg. This is made possible as a result of Reynaers' specially designed wheelbase which ensures the fluid movement of the glass panes and therefore allows increased weight capabilities. This enables homeowners and architects to opt for specialist window solutions, such as acoustic glass, to suit a variety of individual requirements.

Furthermore, architects and homeowners can rest assured when it comes to security. The Hi-Finity range is one of the first doors of its type to offer the PAS 24:2016 standard, which is a benchmark of quality and the latest test method used for the enhanced security performance of windows and doors. The test covers the automatic locking system, so it is ideal for those projects where security is paramount.

Rebecca Cope, Marketing Manager at Reynaers Aluminium UK said: "Our Hi-Finity patio doors are high-end products that beautifully complement any building seeking top levels of performance and security, whilst also taking advantage of the view to the outside. Building on their success so far, the latest updates we have



introduced aim to further enhance homeowners' experience with Hi-Finity."

The Hi-Finity range also features ultra-slim frames that can be built into the structure of the building. This makes achieving floor-to-ceiling and wall-to-wall glass a possibility, offering homeowners uninterrupted views. Additionally, the interlock between door panels measures an incredibly narrow 35mm, and the frame and spacer bars between the panes are black, enabling the door to blend in and offer truly panoramic sights.

Due to the variety of high-performance features, Reynaers' Hi-Finity door is a specialist product that is available through a network of trained suppliers.

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

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Comar profiles have thicker walls providing extra strength and durability for the British market, ensuring that Comar performs. Designed specifically for the British Market and offering a truly British engineered solution.

Comar ECO LT is a newly launched aluminium window and door system designed for the trade and installer market, where a competitive price yet the highest installed performance is required. Sightlines have been minimised whilst not sacrificing product performance. Large sizes come as standard from the same range of profiles.

With low U-values, energy ratings of A++ and Document Q compliance with Secured by Design status this is a feature rich system which guarantees a quality installation.

Comar ECO LT is a lightweight version of the ECO range, but the aluminium profiles wall thickness has not been sacrificed, ensuring guaranteed long-term performance. Due to Comar's robust British design the size and weight limitations surpass the competition on a size by size basis.

5P.i ECO LT - ALUMINIUM WINDOW SYSTEM

Comar 5P.i ECO LT Aluminium Casement Window System has both internally and externally glazed options. With the resurgence of slim aluminium high security externally beaded with sloped beads minimises the sight lines and maximises daylight. The square chamfered profiles are a distinctive feature of this system, keeping the square look of a truly aluminium solution.



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7P.i ECO LT - ALUMINIUM DOOR SYSTEM

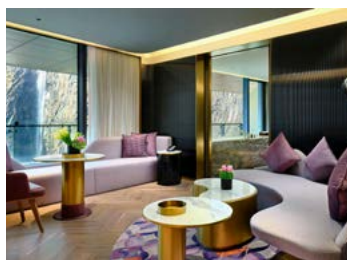
Comar 7P.i ECO LT Aluminium Door System has both inward and outward opening options in single or double door combinations. There are two thresholds available high weather performance and low-rise for seamless balcony terrace integration. Comar 7P.i ECO LT door has been designed to provide high performance solutions for today's specification demands. Utilising Comar's trademark P.i. (Polyamide Insulation) thermal break technology, it delivers superior thermal performance with an aesthetic edge.

Comar: British by Design

For further information about Comar Architectural Aluminium Systems, please visit www.comar-alu.co.uk, call 020 8685 9685 or email projects@parksidegroup.co.uk

PC HENDERSON SPECIFIED FOR WORLD'S FIRST UNDERWATER QUARRY HOTEL

P C Henderson's sliding door hardware has been specified for the world's first underwater quarry hotel located in Songjiang Shanghai, China.



The Intercontinental Hotel Shanghai Wonderland, which was opened in October 2018, is being hailed as a modern architectural wonder of the world. Built onto the side of a 289 foot deep, water filled quarry, the five star luxury hotel took ten years to build and boasts 337 rooms across 18 floors, 16 of which are technically below ground and two underwater.

P C Henderson's Husky Telescopic system was specified for 314 of the rooms in order to create two large movable walls between the bathroom and bedroom. The telescopic formation of the doors allows for a modern, open plan design whilst still ensuring that the bathroom can be completely closed off when privacy is required. The company's Husky Simultaneous Action kit was also specified for 44 of the rooms which required bi-parting doors in order to separate two rooms.

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Tommy Walsh talks Crocodile Glass Verandas.



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CENTRAL DUBLIN RENOVATION DELIVERS LIGHT-FILLED OFFICE SPACE

: SCOTCH HOUSE

Careful coordination and collaboration has transformed a brick and concrete 1970s office block in the heart of Dublin into a bright and light-filled space fit for modern businesses.

Owner MF Properties, part of Irish developer Castlepark, approached Dublin-based architectural practice Lafferty in 2013 with a brief to completely refurbish and extend the property to create premium office accommodation available to let.

This was the first time a private sector client had approached Lafferty with a clear BIM aspiration for the project. The client had already procured a point cloud survey of the existing property and prepared an IFC 3D model of the building.

Following a protracted planning and appeals process, planning permission was granted in 2016 and MF Properties gave Lafferty the go-ahead in March 2017. The building is expected to be completed in early 2019.

ADDING HEIGHT AND LIGHT

Comprising six storeys and a basement level, the original building was a concrete structure with brick façades. The project involved an extensive overhaul including the replacement of two of the façades, substituting the brick with an elegant Portland stone, enhanced with powder-coated aluminium floor-to-ceiling glazing.

The two upper floors provide penthouse accommodation with full-height, double-glazed façades, offering uninterrupted views of the river Liffey and surrounding area. External roof terraces at the penthouse levels offer attractive landscaped outside space.

According to Ronan Carroll, associate director at Lafferty, the floor-to-ceiling heights within the building were a complex challenge. As the original building was constructed with concrete, there was little opportunity to change the heights. This was of particular concern to the client, who was keen that the new space should feel both light and open.

After several investigations, Lafferty's solution was to route the ventilation and services through the recessed profiles on the underside of the existing concrete slabs, instead of via the ceiling void, saving valuable height along the way.

"ARCHICAD has been invaluable for this project," explains Ronan. "The ability to view the building from all angles and to understand its complexity and geometry – I can't imagine how we'd have done this using old school 2D."

COMPLEX PROJECT REQUIRES TEMPORARY STEEL FRAME

As part of the renovation, Lafferty worked with the structural engineer and steel subcontractor to construct a replacement structural frame on the two principal facades of the building. This required the construction of an additional temporary steel frame to hold up the floors until the new structural frames were put in place.

The structural and services engineers produced their model using Revit and this, was transferred to Lafferty's ARCHICAD model via IFC.

In this way, the team was able to coordinate the models and check for any coordination issues early on and throughout the project. During construction the steel fabrication model was provided for approval in a 3D format which greatly assisted the approval process."

In addition, Lafferty used ARCHICAD's renovation filters extensively throughout the project, which made it much easier to immediately see the impact of alterations to the design.

BIM COORDINATION AND COLLABORATION

Lafferty employed an external BIM consultant for the project, who undertook the clash detection between the structural, architectural and services models using Solibri. Lafferty worked on the detailed design stage until the end of July 2017. IFCs extracted from the structural and mechanical and engineering models were imported into ARCHICAD and overlaid.



Every Friday the different parties shared their respective models via IFC and every fortnight Lafferty hosted a formal BIM coordination workshop with the BIM consultant. In between, the teams shared information via screenshots and email.

CLOSE COLLABORATION WITH THE BUILDING CONTRACTOR

Lafferty has also been heavily involved throughout the construction phase due to the complex nature of the project.

Ronan says: "There were no straight lines in the existing building, so it's been a constant work in progress – we've continued to regularly update the BIM model and worked closely with the main contractor, Flynn Management, at every stage throughout the build."

Ronan says: "Although this project wasn't tendered as a BIM project, we have in fact followed the BIM process informally at every stage throughout. This has proved very useful in enabling us to deliver such a complex renovation."

Collaboration, communication and coordination have been the critical factors throughout this challenging renovation. The end result will be an elegant building that both respects and enhances its prominent location in the historic Liffey Quays area of Dublin.

www.lafferty.ie
www.graphisoft.co.uk

THE ABILITY TO VIEW THE BUILDING FROM ALL ANGLES AND TO UNDERSTAND ITS COMPLEXITY AND GEOMETRY – I CAN'T IMAGINE HOW WE'D HAVE DONE THIS USING OLD SCHOOL 2D.

SUNSQUARE ROOFLIGHTS GET TOP GRADES FROM ESTEEMED OXFORD COLLEGE

St John's College, a prestigious constituent college of the University of Oxford, has transformed a unique area of disused garden space into a brightly-lit semi-subterranean building by featuring a range of made-to-measure skylights from flat-roof skylight specialist, Sunsquare.

The installation was part of a redevelopment of the college's grounds located within the Grade II listed gardens, which saw dilapidated greenhouses and storage sheds transformed into a functional new 60 sqm building – a space for gardening staff to use as an office and break room, as well as a greenhouse area for growing college plants.

Oxford-based architects Jessop and Cook were set the task of designing a building that would sit in a small horseshoe-shaped space, set within three listed walls inside the college's tranquil gardens. Not only did it need to be completely unobtrusive – remaining unnoticed by passers-by – it also had to be aesthetically pleasing for any buildings that overlook it. This includes on-site student accommodation and the new St. John's College library study centre, which completed in 2019. Because the area was completely enclosed by neighbouring walls, bringing in natural light was another core part of the design.

Martin Shaw, Associate at Jessop and Cook Architects, explains: "The brief from the St. John's works team was to create a much-needed space for the college's gardeners to use, but there were several question marks around the viability of the site. The former greenhouse and storage space was very small and almost completely enclosed, so we ran the risk that any new facilities would feel cramped and poorly lit.

"To combat this, we needed to find a skylight large enough to cover the majority of the roof space – opening it up and allowing in plenty of natural light, whilst also fitting with the building's design and creating the right growing conditions for the greenhouse area. We were already familiar with the Sunsquare range, and we opted for a purpose-designed part-fixed, part-opening rooflight because it matched perfectly with the building's low pitch, but still ticked our boxes when it came to thermal performance, safety and functionality. It was efficient enough to keep the gardeners warm in the winter, with an opening mechanism to provide much-needed ventilation in the summer."

Jessop and Cook's drawings for the upgraded gardeners' area featured a new entrance at one end, with toilets, a shower, a breakroom and an office inside, as well as a central greenhouse section. They also included plans to excavate and lower the ground level by 800mm, to create a comfortable floor to ceiling height internally (but not enough to be seen over the college's external wall). Here the team specified a 2620mm x 4250mm Sunsquare part-fixed, part-opening rooflight,



positioned above the greenhouse area to provide the majority of the building's natural light. Jessop and Cook also opted for two smaller 1400mm x 2000mm Sunsquare Aero Vent skylights over the breakroom.

Each Aero Vent was fitted with an easy-to-control electric opening and closing mechanism, for immediate and convenient access to fresh air.

Martin Shaw continues: "One of the main challenges we faced was that the new facilities had to be completely unobtrusive and invisible from outside the garden walls. The brief was to ensure the building was completely hidden from views of the listed garden! As flat-roof skylight specialists, we believed Sunsquare had the experience to create a skylight with a pitch low enough that it would match the pitch of the roof with a minimal upstand, allowing the building to remain unseen from outside the grounds and eliminating the risk of water pooling. This, combined with the option to customise each rooflight to meet the space's exact needs, made Sunsquare the most suitable choice."

Mark Lambert, Sales Director at Sunsquare, comments: "We're very proud to have been involved in such a forward-thinking project – working closely with architects Jessop and Cook to create custom-made flat-roof skylights that help get the best out of St. John's College's new space. Not only do they provide an abundance of natural light for rooms that need it most (especially in the greenhouse area where solar gains are so important), they also deliver the safety and thermal performance that's needed for this unique build.

For more information about Sunsquare's market-leading range of BSI-Kitemarked flat-roof skylights, please visit www.sunsquare.co.uk or call 01284 723377.



VEKA UK ROLLS OUT THE WELCOME MATT

Industry-leading PVCu window systems supplier VEKA UK Group has unveiled an exclusive ultramatt finish to rival even the most stylish aluminium systems.

This innovative new surface, called SPECTRAL, is exclusive to VEKA UK and has already welcomed fantastic feedback. Marketing Director Dawn Stockell explains: "This unique product uses groundbreaking technology to create an ultrasmooth, ultramatt finish that has unrivalled performance benefits.

"SPECTRAL has been years in the development, because we understand the need for original products that not only look great, but offer exceptional performance. We identified a gap in the market for a highly durable matt product that we could guarantee would look great for years to come.

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

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

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

Simon Wade, MD of Rugby Double Glazing, was very impressed when SPECTRAL was unveiled at the FIT Show: "This is the future of our business.

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

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

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

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Covering both sliding and lift-and-slide doors, the Schueco ASE 60 and 80 platform comprises fifteen opening types including six single-track options. The result is greater choice, maximum design flexibility and the ability to accommodate widely differing project requirements.

As the name suggests, Schueco ASE 60 and 80 doors have a basic frame depth of either 60 mm or 80 mm with a maximum vent size of 3.2 m x 3.5 m or 3.5 m x 3.2m, which is the largest currently being offered in the market.

Maximum vent weights are equally impressive, with both systems being able to accommodate loads of up to 350 kg per vent, offering the possibility of enhanced thermal performance through triple glazing.

The inclusion of SmartStop or SmartClose technology further ensures trouble-free and safe operation.

The thickness of the glass that can be used also varies: a Schueco ASE 60 door can accommodate glass with a thickness from 24 mm to 40 mm, while the thicknesses for a Schueco ASE 80.HI door are from 36 mm to 60 mm.

Schueco ASE 60 and 80.HI doors all share certain characteristics: for example, profile sightlines have been kept narrow (from 82 mm) throughout, enabling the doors to deliver all the benefits of Schueco's traditional sliding systems with enhanced transparency similar to a panoramic system.



Both systems exhibit exceptional thermal performance. The Schueco ASE 60, in spite of its narrow depth, offers U_w of up to 1.1 W/m²K, while the high-performance Schueco ASE 80.HI meets stringent Passive House standards.

Security levels across the range are up to RC 2 and every system features slimline meeting-stiles and a flush threshold that overcomes the possibility of accidents.

A Design Line option is available on all the doors. Design Line offers enhanced design benefits such as concealed fittings that leave the visible surfaces of the vent and outer frame completely flush and a slimline interlock with a 40 mm sightline that delivers today's preferred 'more glass, less frame' look allowing maximum light transmission.

For further information on the Schueco ASE 60 and 80.HI range of sliding doors, please email mkinfobox@schueco.com or visit www.schueco.co.uk



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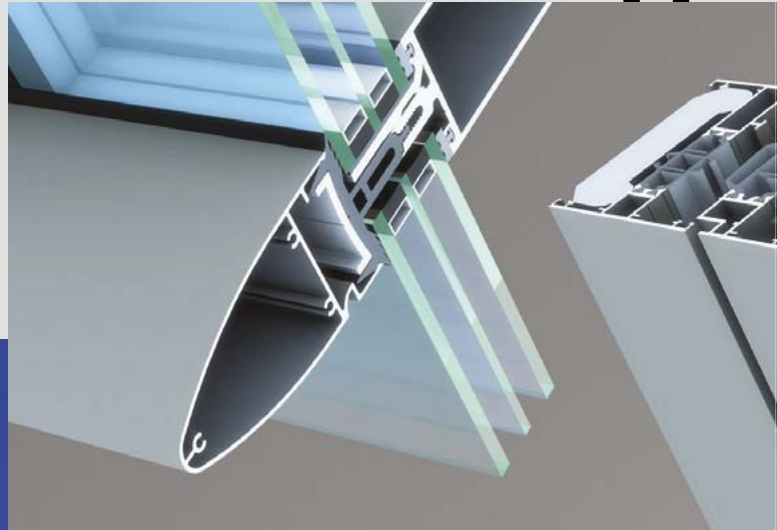
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74 Trumpington Street has been upgraded with curved on plan and standard secondary glazing to create quieter and warmer office environments, in line with the College's overall sustainability plan. In an effort to keep attracting the best scholarly minds and providing the best environments to nurture their excellence, a vision for enhanced learning spaces on the South Side of Mill Lane has been created. One of which is the Grade II Listed Kenmare House designed and built by James Essex c.1760, a prolific constructor in Cambridge, with many of his buildings now making up the University's Estate.

Pleasance Hookham and Nix put the architectural plans together of how the buildings would be reconfigured, to house the Master, Finance, Human Resources and International Programmes Teams and Fellows accommodation. Due to its Listing, the original single pane windows had to be retained, so a solution to combat the noise ingress and thermal inefficiencies had to be sought. Selectaglaze was contacted early in the design process, which made the incorporation of the secondary glazing far more efficient.

Over 60 units were installed throughout the buildings. On the front elevation, where noise ingress was a larger concern, the secondary glazing was installed with a larger cavity, to create the sound insulation. On the rear of the building the glazing was mainly for thermal and one intricately etched large window overlooking a flat roof, had a large Secured by Design unit installed for added security.



Established in 1966 and Royal Warrant Holder since 2004, Selectaglaze has a plethora of experience working on most building types, from new build to Grade I Listed buildings. Selectaglaze will be showcasing a variety of secondary glazing products at London Build from the 27th – 28th November, Olympia London at Stand F30.

For further information, please contact Selectaglaze on 01727 837271/e mail: enquiries@selectaglaze.co.uk or visit: www.selectaglaze.co.uk

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In 2018 over 3,000 visitors attended and their feedback confirmed that, even in this online and digital age, you can't beat the face to face, hands on experience that this show has to offer. Of course, we'll be covering all the latest retail ideas, showing you the upcoming consumer and design trends and demonstrating best practice products and finishes – but the key to all of these is putting a face to an email address and talking to the thinkers behind the brands.

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RINNAI AND THE ART OF ZEN+ ZEN PLUS

Rinnai, global leaders in continuous flow hot water heating products and systems, is introducing the Zen and Zen Plus home hot water & heating system which marries established and proven manufacture durability with new technologies to offer great energy efficiencies, user control and, importantly, unparalleled level of comfort.

Rinnai UK will be launching this innovation plus several other cutting-edge appliances during 2019.

The Rinnai Zen and Zen Plus system will increase comfort and reduce energy usage whilst also providing a highly economically solution for today's changing marketplace.

'Our core expertise is the mass production of long-term reliable combustion products with advanced technologies – we are a global leader and make over 2 million water heating units every year for domestic, residential and commercial applications. We have been researching and monitoring the UK domestic heating market for several years until we had a proven system. That time is now, and we are offering hot water heating units together with a superior performance combi boiler in 24, 29- and 35-kW outputs,' says Chris Goggin, head of Rinnai UK operations.

'We are not launching into the mass UK boiler market – that is, in our view, a saturated and oversubscribed market which is in the throes of a major upheaval in its structure due to the advent of online direct sales platforms. We are offering something very different. And we are aiming to serve a market sector previously overlooked and almost ignored - the provision of luxury levels of hot water at affordable sums to the middle and top end of the marketplace.

'Another major difference with the Rinnai Zen & Zen Plus is that the route to market is with installers. We are committed to working with installers as our route to market. The installer is still the major player and, in our view, always will be.

Some of the features of Zen & Zen Plus are: IOT controller as standard; Fast heating mode; DHW pre-heat function - saving wasted water; Energy monitor function allows user to monitor energy usage; flue runs up to 30 meters, Rinnai boiler App for android and IOS; constant temperature-accurate hot water delivery at continuous flow rates.

There is also smart Wifi controller and App benefits; The Rinnai app seamlessly connects to the controller in the property; the user can control the boiler remotely adjusting temperature, setting weekly and daily programmes, receiving alarm functions, monitor energy usage and set limits. The Wifi and boiler controller also uses GPS from the user's mobile to bring on the heat when you are getting close to home to ensure the house is warm when you arrive.

Rinnai Zen & Zen Plus are available for use with both natural gas and LPG.

www.rinnaiuk.com



RINNAI DELIVERS HOT WATER AT SCARBOROUGH CARE HOME

Rinnai continuous flow hot water heating units have replaced a vastly oversized and close to redundant traditional style of system at the Coombe Hay Care Home in Scarborough.

Coombe Hay is situated in large, attractive and tranquil gardens on the outskirts of Scarborough, only minutes from the town centre and seafront. Coombe Hay offers accommodation which is fully en-suite and suitable for male and female residents with some larger apartments available for two people.

Coombe Hay began in 1958 when money bequeathed by George Edward Smart established the Charitable Trust which now owns and runs the Home. Nowadays the Board of Trustees ensure that the benefactor's vision for a home providing excellent care for its residents continues to develop, incorporating all that anyone would want from their new home, and as a registered charity all money is reinvested into the home to deliver excellent services and to keep fees and costs affordable.

Comgas Heating advised on the replacement system and chose 2 x Rinnai HD55i units - heavy duty high efficiency gas fired continuous flow water heating units with optimal fuel consumption. In like-for-like comparison to more traditional methods, the continuous flow system is proven to be more cost effective over a lifetime. Rinnai is an acknowledged global leader in the manufacture of tankless hot water heating units with group sales approaching £2 Billion.

The Rinnai HD55i is an internal wall hung, gas fired, continuous flow water heater capable of producing hot water in excess of 820 litres per hour at a 50°C rise. The HD55i has a 125mm concentric flue which can be extended up to 15m, less 1m per 45° bend. As with the whole of the Rinnai range the HD55i is ErP A-rated.

The unit is compact, reliable and combines industry standards with innovation and quality. The HD55i operates between 1-10 bar pressure, which is suitable for mains cold water supply and systems with booster pumps and reaches water temperatures of up to 85°C, making the HD55i suitable for secondary return systems.



Rinnai Heavy Duty continuous flow gas fired water heaters feature outputs up to 58kW and water can be delivered at very precise, high volume temperature control. The smart digital controller regulates to within +/- 1°C without any variation of temperature even with additional outlets. All models have full electronic ignition with no pilot light and operate on demand only, consuming no gas when not in use.

The Rinnai HD55i is a fully modulating 52.6kW unit that can also be installed in a manifold arrangement. This ensures that the system can and will meet any hot water demand at all peak times, no matter what the demand.

Typical applications include major restaurant chains, industry offices, hotels, sports centres, schools, sports clubs, shower blocks in holiday parks – anywhere with a need for extremely reliable supplies of hot water delivered economically and at energy efficiency levels surpassing all building regulations and European standards.

For more details on RINNAI products visit www.rinnaiuk.com





RINNAI UK WINS TWO MAJOR GLOBAL AWARDS IN HOT WATER HEATING MARKETPLACE

Rinnai has won two global awards for an 'Outstanding Performance' in the UK hot water heating marketplace. Rinnai UK was judged to have made the REU Most Outstanding Performance and Best Business Performance in its category.

The awards acknowledge the strides that Rinnai UK has made during the last several years in converting the marketplace to continuous flow energy and fuel-efficient products in the commercial and domestic hot water heating arenas.

"We are delighted that a team effort has resulted in global acknowledgement by our peers. We are honoured. It is gratifying to be recognised for all the hard work that each member of staff has made throughout the year," says Managing Director Tony Gittings.

This year sees Rinnai, global leaders in continuous flow hot water heating products and systems, introducing the Zen and Zen Plus home hot water & heating system which marries established and proven manufacture durability with new technologies to offer great energy efficiencies, user control and, importantly, unparalleled level of comfort.

Rinnai UK will be launching this innovation plus several other cutting-edge appliances during 2019. The company has already launched a service & maintenance scheme, tailored training courses for installers and will be introducing the next and most advanced generation of hot water heating units.



The Rinnai Zen and Zen Plus system will increase comfort and reduce energy usage whilst also providing a highly economically solution for today's changing marketplace.

'Our core expertise is the mass production of long-term reliable combustion products with advanced technologies – we are a global leader and make over 2 million water heating units every year for domestic, residential and commercial applications.

"We have been researching and monitoring the UK domestic heating market for several years until we had a proven system. That time is now, and we are offering hot water heating units together with a superior performance combi boiler in 24, 29 and 35-kW outputs." says Tony Gittings.

For more information visit www.rinnaiuk.com

RINNAI - 'E' BEFORE 'I' OR VICE VERSA?

Rinnai offers big performance, heavy duty, diminutive appliances that offer virtually limitless volumes of hot water at useable temperatures – all through engineering design and excellence. And both 'E' (external) - and 'I' (internal) versions are offered. Here Chris Goggin, Rinnai Operations Director, explains the why and the where of using either model to suit the application.

Gas fired appliances such as hot water heating units or domestic or light commercial boilers tend to be wall hung on the interior of a site. Having a unit sited internally on a kitchen wall or a plant room makes for convenience for the end-user and for the installer or contractor in terms of installation, maintenance or servicing.

However, external models of hot water heating units have become increasingly popular. We are seeing more and more units sold as installers seem to be favouring external siting for a variety of reasons.

Firstly, having a gas fired unit internally has its own restrictions – lack of internal space, flueing restrictions and impediments, exact siting for installer convenience, inspections etc. On external units a whole stack of advantages come into play - starting with the fact

that it is a gas fired appliance and it is outside habitable space; and with no need for a flue there's greater flexibility on exactly where you place the unit; it is easier to service and maintain; all units have robust casings and comprehensive weather controls, for example a Rinnai external appliance is frost protected down to minus 25°C.

All these factors add up to possible economies for the end user and ease of installation for the installer.

Rinnai offer several units in both external – 'E' - and internal – 'I' - models. They are in the more heavy-duty part of our product range – 1600, 1500, 55 but also at the smaller end - the 17e.

Rinnai's HDC1600i/e low NOx, gas-fired continuous flow water heater, delivers commercial qualities of hot water, up to 37 litres per minute on demand - to any site and application. And they are ErP 'A' rated.

The Rinnai external version HDC1200e gives end users 105.5% net efficiency* because the condensing process delivers up to 95% thermal efficiency, translating to significant energy savings when compared to standard tankless water heaters.





All of which makes the HDC continuous flow hot water range by far the best option for all types of applications. With a continuous flow water heater you can never run out of hot water no matter how many individual baths or showers or delivery points are being used simultaneously.

The only time the unit is using energy is when there is a demand, in other words it is only burning gas when a tap or shower is being run and, design improvements by Rinnai have increased the lowered NOx levels and increased efficiencies to market ready levels.

The Rinnai 17e is designed for use directly off the mains, with no need for large, ungainly storage vessels. Weighing just 17kg and measuring 503mmH x 355.6mmW x 181mmD the Rinnai 17e has been developed to allow maximum flexibility as it can be easily mounted on an external wall thereby eliminating the need for flueing and freeing up valuable interior space. This feature gives greater flexibility at the design stage and can offer an alternative solution where flue runs are problematic or internal space is not available.



A range of external ancillary items including a pipe cover box and security cage are available where necessary. Capable of flow rates of up to 510 litres per hour at a 50°C rise, the 17e is suitable for multiple applications, such as cafés, small restaurants and kitchen facilities.

For more information visit www.rinnaiuk.com

RINNAI CELEBRATES ITS FIRST 100 YEARS OF MANUFACTURING PRODUCTS TO SERVE ITS CUSTOMERS

Rinnai, best known in the UK for its comprehensive range of hot water and heating home units, is globally celebrating its first 100 years of manufacture in serving its customers with a three-year period of planned anniversary related events to connect to the start of the company's next centenary.



The Rinnai Corporation was founded in Nagoya, Japan in 1819 and today operates in 17 nations and regions around the world with sales of kitchen appliances, air conditioners, hot water heating & home heating units in over 80 countries.

Says Rinnai UK Managing Director Tony Gittings, "The company has evolved and developed into a group that produces a diversity of products and services that directly benefit ordinary people in their daily lives.

"Our policy is to help enrich the lives of people in local communities by providing optimal solutions that fit the lifestyle culture, climate conditions, and the energy situation of each country around the world. The three-year period is aimed at connecting the first century to the next one. The theme will be named - Connected in passion for the next 100 years."



This follows the other significant corporate developments on the global presence of Rinnai - the issuing of a new logo and a new brand statement - 'A Healthier Way of Living'.

In the UK Rinnai is the acknowledged leader in continuous flow hot water heating technology. The company offers a comprehensive range of A-rated units plus large systems for any size of site or application.

For more information visit www.rinnaiuk.com

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Vectaire's WHHR-Midi/BYs have had great success in being installed modular homes. They incorporate summer bypass and frost-stat, and provide efficient, low-energy ventilation in residential properties up to 170m².

The Midi-BY has a heat exchange efficiency of up to 94% with SFP down to 0.50 W/l/sec. They are easy to install on walls, in cupboards or lofts and models without humidistat have universal handling. They operate very quietly with very low running costs. There is variable choice of trickle, boost and purge speed at installation and commissioning is via an optional, integral or remote LCD commissioning unit. Additionally, there is a model with integral, enhanced acoustic attenuation. The sound pressure levels on these units is very low (<5.0 dBA). They are light weight and take up no more space than the standard models. All models comply with Building Regulations and are manufactured in the UK.

www.vectaire.co.uk

BIG FOOT SYSTEMS SUPPLIES SUPPORT FOR ACOUSTIC SCREENING - HATTON WALL, LONDON

Big Foot Systems has supplied custom support for acoustic screening on the rooftop of a development of luxury flats, offices and retail outlets at Hatton Wall in Holborn, London. The acoustic screening surrounds a group of condensers and plant on a PVC membrane and green roof which effectively blocks plant noise from the surrounding private homes.

Big Foot's technical team designed a system which would support the heavy acoustic screening using supports which were designed to ensure the pressure exerted by their feet did not exceed the limit of the lightweight roof. Calculations established the size of frame required and the number and size of foot bases in contact with the roof needed to ensure the cumulative weight was dispersed evenly over the roof area and was within workable loads of the roof build up. Dynamic forces were also taken into account as the structure had to withstand the high winds created due to funnelling by the surrounding buildings. The framework installed was therefore wider than the screens they supported, affording a greater degree of protection against 'tipping'. Big Foot's customised system proved the ideal solution, offering project specific non-penetrative support.

"The normal ways of fixing screens to our supports had to be modified to allow the panels to fit. Normally, we would hang panels from our posts or A-frames but the weight and space meant that this wouldn't have worked" explained Ashley Simmans, Big Foot Systems Site Engineer. "We designed and tested a new set of bracketry alongside contractor Bespoke



Acoustic Solutions to allow the panels to sit on top of our supports which worked well. Installation was completed within a matter of days."

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9

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NEW TEXTILE DIFFUSER PANELS

IMPROVE INTERIOR CLIMATE

New from KE Fibertec, the specialists in textile ducts for HVAC systems, is a textile diffuser for suspended ceiling systems.

The new diffusers known as FBS panels have been developed to provide draught-free air distribution for suspended ceilings and a better alternative solution to the normal ceiling grilles which generate draughts and accumulate huge amounts of dust.

Ideal for schools, offices, healthcare and other high comfort environments the system operates at a lower pressure than that of standard ceiling diffusers thus optimising energy efficiency. Fresh air is evenly distributed across the entire surface of the panel which results in a healthy indoor environment without problems of draught.

The FBS panels are made of flame retardant textile material with impermeable panel tops so that the air is distributed into the room and not above the ceiling. The entire visible surface is used actively for air distribution. From an aesthetic point of view the textile material of the FBS panels can be specified in standard colours of white or light grey to blend with the ceiling finish or in a range of special colours to make a statement or echo another colour theme within an interior.

The new FBS panels are made in 600mm x 600mm and 600mm x 1200mm sizes for standard suspended ceilings and the plastic plenum chamber above the ceiling comes with a flexible outlet socket of 160 to 250mm diameter for connection to HVAC ducting. The plenum chamber above the ceiling requires no more room above the ceiling than the diameter of the outlet socket.



There are side, end and combi outlet versions of the plenum chamber available to suit the configuration of above ceiling ducting.

Suitable either for retrofitting with existing HVAC systems or for new build projects, the new FBS panels greatly reduce the incidence of draughts or hot/cold spots in the occupied zone and thus create a much more even temperature in the room. The textile panels are extremely lightweight, are easily fitted to almost any ceiling type and are simply unzipped from the ceiling panel for machine washing at 40°C so as to remove dust and maintain airflow. Installation and maintenance of the FBS panels is quick and easy with no tools required.

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

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

Released by the government last year, BB101: 'Ventilation, thermal comfort and indoor air quality 2018' has been instrumental in the most significant changes in ventilation design, regulation and guidance in schools since 2006. Working in parallel with BB93: 'Acoustic designs for schools, performance standards (2015)', it gives a detailed holistic approach to the internal environment in schools with the emphasis very much on energy efficiency.

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



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

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

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

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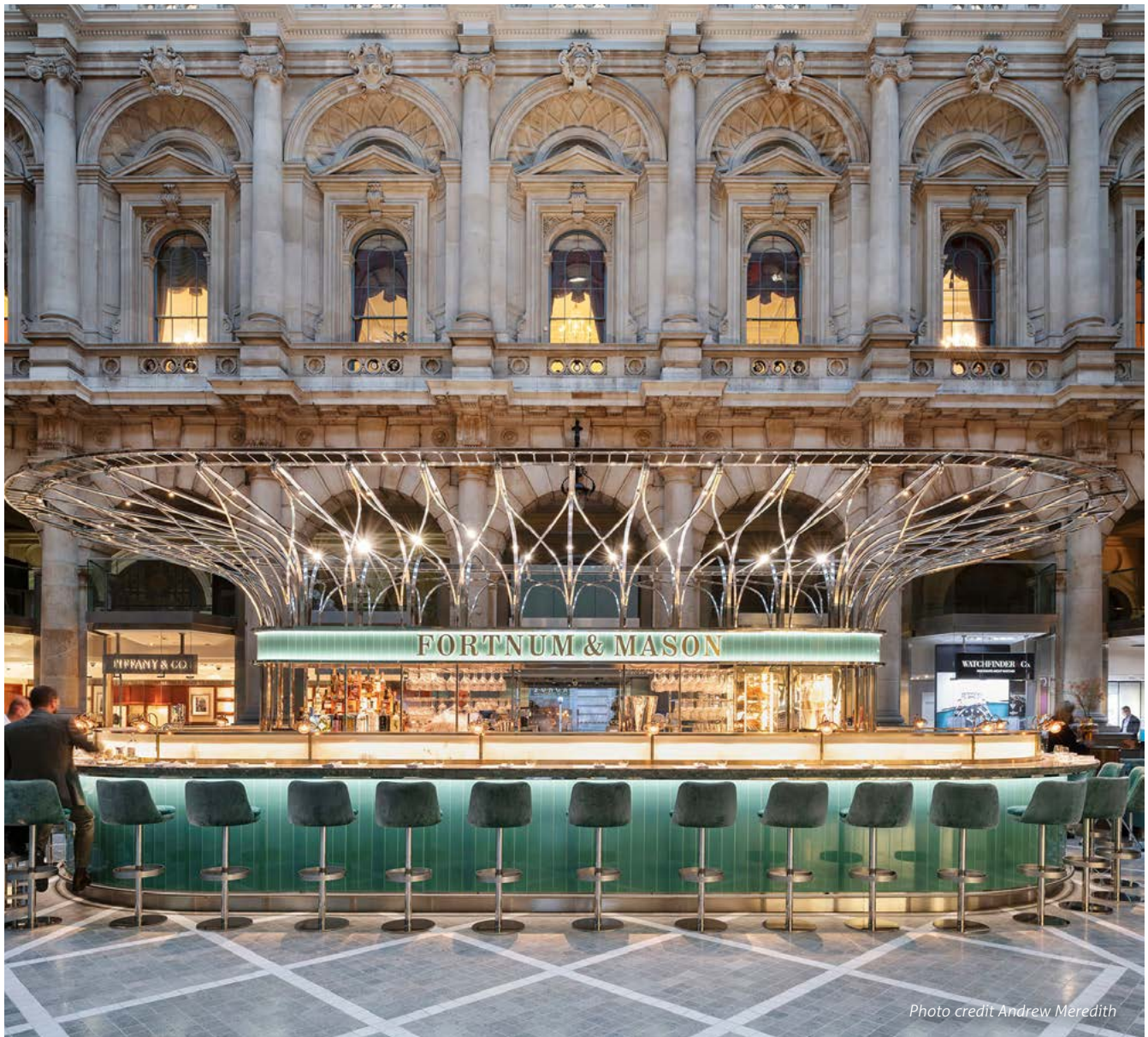


Photo credit Andrew Meredith

INSIDE 2019 SHORTLIST REVEALS MOST INSTA-FRIENDLY DESIGNS

INSIDE: WORLD FESTIVAL OF INTERIORS

With designers ever conscious of how their projects will appear on Instagram, a host of jaw-dropping interiors that push the design boundaries define the twelfth edition of INSIDE, the World Festival of Interiors. Whether it's a novelty cat café in Guangzhou, China, or a global heritage brand such as Fortnum and Mason inside London's Royal Exchange, across the board we're seeing design with a capital D.

INSIDE is the sister festival of the World Architecture Festival and celebrates the world's finest examples of interior design.

In this year's 'Bars & Restaurants' category are the interior concepts for new restaurants by some of the world's most innovative chefs. Bjarke Ingels Group are behind the design of the second incarnation of renowned Copenhagen restaurant, Noma. The unconventional layout, including greenhouses and outhouses, is imagined as an intimate culinary garden village, designed to give diners glimpses into the natural ingredients and fermentation processes behind the restaurant's New Nordic cuisine.

Over in Manhattan's Meatpacking District, Buro Ole Scheeren's fast food concept for Dean & DeLuca's chef-led eatery, 'Stage', uses a sculpted high-tech white Corian and steel centre-piece, to celebrate the artistry of food, and to create a stage for those who make and those who consume it.

And in the City of London, Universal Design Studio are behind Fortnum & Mason's new 360-degree bar, shop and restaurant in the Grade I Listed Royal Exchange courtyard, complete with a bespoke curved metal canopy.

These big hitters go up against novel projects, such as the cat-themed café, Meow Restaurant in Guangzhou, China, that embraces cats' love of heights in its interior design.

And Karavanstop Café, a lifestyle café by One Bite Design Studio at Hong Kong International Airport, that puts social media at the heart of its design, with an iconic green ceiling, abstracting the city's topography, and an 'instagrammable' logo wall, both designed to capture the spirit of the area's outdoor leisure activities.

Meow Restaurant is joined by another pet-themed project in China, this time a private home interior in Shanghai, designed to accommodate a family's high pet ratio, giving freedom for both pet and owner to enjoy the living space freely.

In the Civic, Culture & Transport category, entries range from a cloud shaped, glass wedding chapel in Japan, to a library with an 'Alice's Adventures in Wonderland'-themed section in Singapore, and highlights from the Health & Education category include a multi-sensory room in Thailand for pre-school children with visual impairments.

Embracing a more organic approach to interior design is the National Museum of Qatar Gift shop by Koichi Takada Architects, which features curved timber ceilings and walls, inspired by the natural Qatari desert-scape, and engineered from 40,000 3D-modelled parts.

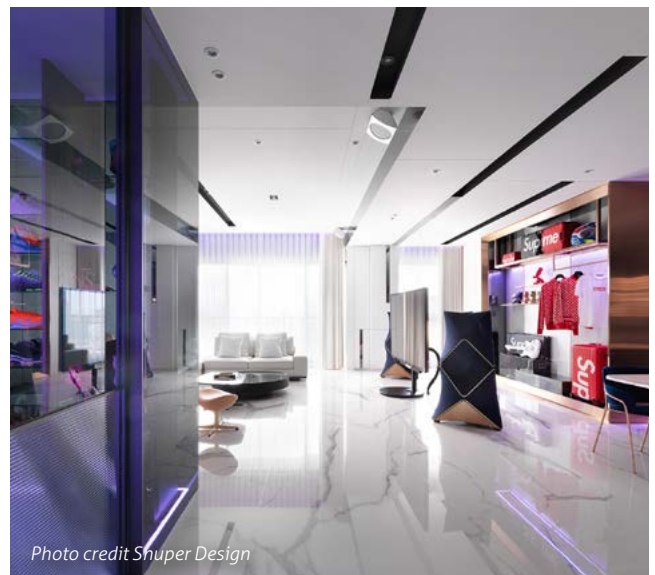
St Andrews Beach Villa by Woods Bagot takes the organic approach to interior design to an even greater level, using a mixture of newer elements and old, worn materials from the villa's previous iterations, to create a deliberate juxtaposition of eroded and resilient surfaces, and mundane and exquisite materials.

Major world architects and designers shortlisted include BIG-Bjarke Ingels Group, Woods Bagot, Universal Design Studio, Buro Ole Scheeren; alongside others such as E Studio, KTX archiLAB, ONG&ONG, Snuper Design, Koichi Takada Architects and more.

INSIDE will reconvene in Amsterdam, The Netherlands, from 4-6 December this year.

This is the second time the event has been hosted in the Dutch capital, following previous editions in Barcelona, Singapore and Berlin.

All nominees will present their projects to distinguished international juries that include Johan Carlsson of Jac Studios, Annabel Kassir of AKK, James Grose of BVN and Weng Shanwei of AN Design during the Festival to compete for one of the nine INSIDE category awards.



FOR MORE DETAILS ON THE INSIDE WORLD
FESTIVAL OF INTERIORS AWARDS,
PLEASE VISIT WWW.INSIDEFESTIVAL.COM
@INSIDEFESTIVAL #INSIDE19

Open to all festival attendees, the presentations are followed by a live exchange between the designers and jurors. The overall winner of the 'World Interior of the Year' will be announced at an exclusive gala dinner on Friday 6th December at Beurs van Berlage.

WAF programme director Paul Finch commented: 'INSIDE has been a growing part of the overall World Architecture Festival programme since 2012 and continues to grow in terms of quantity and quality. We are delighted with the intriguing designs and geographical spread of this year's entries and look forward to the live judging in Amsterdam.'

INSIDE World Festival of Interiors and its co-located event, WAF, will welcome more than 2,000 of the world's leading architects and designers to Amsterdam for three days of conference programmes, awards, exhibitions and fringe events from 4-6 December.

www.insidefestival.com





Outdoor Seating Areas



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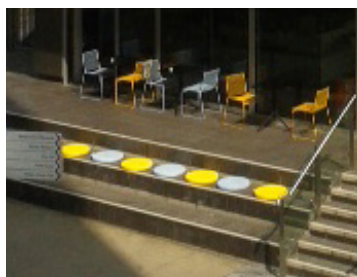
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100% DESIGN 2019

18-21 SEPTEMBER

2019 marks the 25th anniversary of 100% Design, the UK's leading design trade event. Celebrating a quarter century of introducing some of the industry's most influential designers, makers and producers, the 2019 show will present a stellar line-up of more than 400 exhibitors showcasing the latest products across furniture, lighting, textiles, glazing, surfaces, accessories and more. To coincide with the show's 25th edition, the highly coveted Talks with 100% Design presents an unrivalled line-up of the industry's biggest names including American Architect and Designer David Rockwell.

2019 highlights:

Design London: Features a carefully curated selection of the world's leading interior brands such as Arper, Benchmark, Dare Studio, Boss Design, Liqui Contracts and Antonio Lupi. Other exciting brands include Swedish furniture makers, Gärsnäs, Bsweden and the contemporary Italian furniture company, da a.

A Sense of Finland: Curated by Finnish/English designer Hanna Laikola, founder of HEMLO in collaboration with renowned Nordic brand Tapio Anttila Collection and Polar Life Haus, the long established eco log house company. Voted the happiest country in the world for the second year running, the Finland pavilion will allow visitors to experience the sounds, sights, touch, smell and taste of Finland in the middle of London. The specially built eco log house will be filled with calm sounds of the forest and timber floors sourced from the best quality Finnish wood. The house will present the very best of Finnish furniture, products and lighting which are focused around sustainability, well-being and healthy living environments, highlighting the Finnish philosophy that simple things make us happy.

Talks with 100% Design: Featuring 50 in-depth conversations and debates with designers, architects and a specialist look at trends and current issues. Expect issues-based content exploring topics such as climate change, wastage, materials, the circular economy, sustainability and how design can and is making a difference. Leading product and interior designer Marcel Wanders will return for a second year running to speak at 100% Design and the programme will open with American Architect and Designer David Rockwell.

Detail London: New for 2019 Detail London will showcase the latest high-end contemporary soft furnishings and wall coverings from international design companies, like Amsterdam based Studio Desimone Wayland, Glamora and Barbara Osorio Fabrics. The exhibition will benefit from its own dedicated entrance on Olympia Way as well as direct access to 100% Design and provides a brand new destination for the interior design community during LDF.

Instagram Influence Kiosks: Instagram has fundamentally changed the way most designers work. This social media platform is used to inspire, with many designers gaining huge followings for their work. Equally, designers are being increasingly briefed to design Instagrammable interiors. With this in mind, 100% Design has chosen seven designers working in interiors to create 'inspiration kiosks', selecting images from their personal Instagram that reflect their inspiration. The installation will highlight interior designers using Instagram to create spaces that connect and inspire people. Notable designers participating include Charlotte Rey and Duncan Campbell, Lee Broom and Suzy Hoodless

Design Fresh: This year will see the return of Design Fresh, a celebration of emerging talent selected by 100% Design and Barbara Chandler, design editor of Homes & Property at the London Evening Standard. Each designer has been chosen for their explorative ideas and original products. Following the success of the 2018 show, the feature is going one step further by welcoming back previous Design Fresh creatives to nominate the next wave of talent. The showcase will demonstrate a breadth of rising designers and exciting new perspectives.

Material Studio: 100% Design is excited to collaborate with Material Driven to create Material Studio, a showcase of 22 innovative materials with a number of them being shown in the UK for the first time. The area will address some of the key issues of our time such as sustainability, performance, energy efficiency, waste, health and wellbeing.

www.100percentdesign.co.uk



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SECURE SECONDARY GLAZING HELPS PROTECT RETURNING ARTEFACTS IN C.18TH CASTLE

Nestling on the border of Dorset and Hampshire, sitting atop the cliffs at Highcliffe; is the Grade I Listed Highcliffe Castle. It was built between 1831 and 1835 by Charles Stuart, 1st Baron Stuart de Rothesay and is arguably the most important surviving house of the Romantic and Picturesque style of architecture.

Highcliffe Castle stayed a family home until the early 1950s when it was sold to become a children's convalescent home, but was closed in 1952. It was not until 1994, that the phased scheme to repair and conserve the building began. Funded by Christchurch Borough Council, English Heritage and the Lottery Heritage Fund, the goal of the current phase of work is to transform the East Wing into a dynamic Heritage Centre. Selectaglaze, was involved in thermal and security solutions for the castle's new exhibition spaces. This first required an overhaul of previously repaired windows as well as the conservation of existing exposed brickwork.

Working closely with Greendale and architects Rodney Melville and Partners; Selectaglaze provided the Castle with a bespoke solution to compliment the restoration of the rooms meeting acceptable museum standards and levels of; humidity, light and security. This will allow the return of most of the Marshal Ney furniture which is currently in the V&A Museum where Selectaglaze previously installed secondary glazing units in the Henry Cole Wing.

Selectaglaze installed 3 high security Series 85 2 pane horizontal slider units, glazed with a 12mm Tecdur anti-bandit



glass, which were certified to LPS 1175 SR2. Overall, the newly renovated rooms are far better equipped to house objects of high value.

Founded in 1966, Royal Warrant holder Selectaglaze is the leading secondary glazing specialist. Selectaglaze will be showcasing a variety of secondary glazing products at the International Security Expo from the 3rd – 4th December, Olympia London at Stand K64.

For further information, please contact Selectaglaze on 01727 837271/e mail: enquiries@selectaglaze.co.uk or visit: www.selectaglaze.co.uk

THE QUIET FUN SOLUTION

The London Gunnersbury Park Museum is a perfect example of how high-performance acoustic solutions can solve the problem of noise in public and leisure places. As design trends continue towards minimal furniture and hard surfaces, it becomes increasingly important to reconcile aesthetics with personal comfort.

As part of its Heritage Lottery Funded redevelopment, London's once-neglected Gunnersbury Park Museum has been transformed. It now boasts new gallery and learning spaces as well as a brand-new exhibit telling the stories of local people. A new addition to the Regency Mansion is the pavilion, originally designed to house both the catering facilities and horse-drawn carriages that are a large part of the Park's heritage. When considering its redesign, the architects wanted to create a space that would provide a hub for the Park. It needed to be a space that emotionally connected with visitors to the Museum and regular users of the Park.

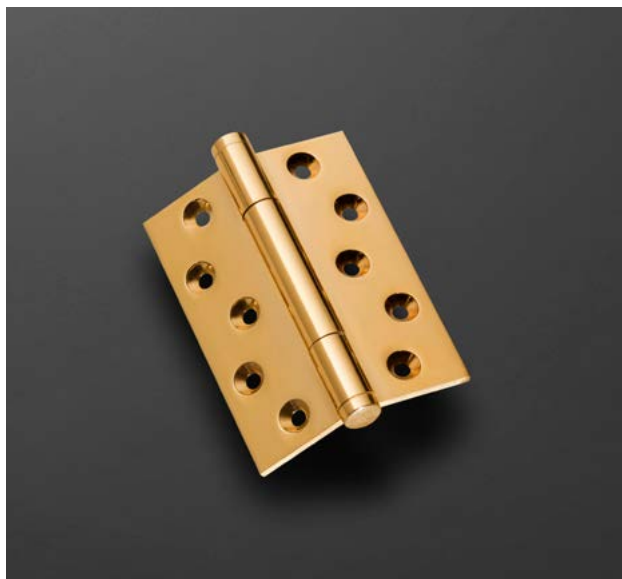
With this in mind, the designers decided to specify Troldekt panels. With their natural look and feel and acoustic properties, they were the ideal solution for the ceiling. It allowed them to use harder surface materials elsewhere to suit the architecture of the pavilion.

Path Design says, "We needed to ensure that we addressed what could be a relatively hard interior because of the heavy floors we needed for high traffic catering and the predominantly glazed elevations. As such, we looked to soften acoustically the space to reduce the background noise generated by the open kitchen and coffee machines, along with the general noise created by visitors."



Troldekt panels are commonly specified throughout the UK and Europe to improve the interior acoustic environment. They offer high sound absorption, high durability, natural breathability and low cost life cycle performance in addition to inherent sustainability. More information is available from www.troldekt.com.

Samples, case studies and technical information are easily sourced from tel 01978 664255 or visit www.troldekt.co.uk.



100% SIMONSWERK HINGES

Leading hinge manufacturer SIMONSWERK will again be exhibiting at the 100% Design Exhibition at Olympia London on the 18th-21st September, showcasing the latest developments in hinge technology.

Visitors to the SIMONSWERK stand, number M3a, will be able to view additions to the award winning TECTUS range including the new TECTUS Glass which has recently been awarded 'Best new product design and innovation 2019' at the Architectural Ironmongery Specification Awards. Organised by the Guild of Architectural Ironmongers and in conjunction with the Royal Institute of British Architects (RIBA).

Also on show will be the widely specified CE marked TRITECH fire rated solid brass hinge with new PVD finishes and new versions of the heavy duty VARIANT range with Finger Protection, 400kg weight carrying capacity and "Care" options – the latter specifically designed for public sector buildings where frame dimensions need to allow real clearance widths for doors to open with a 90° angle.

www.simonswerk.co.uk



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Stand M3a



TECTUS® Glass – Product overview



Hinge system



Handle



Magnetic Plate



Closing Magnet

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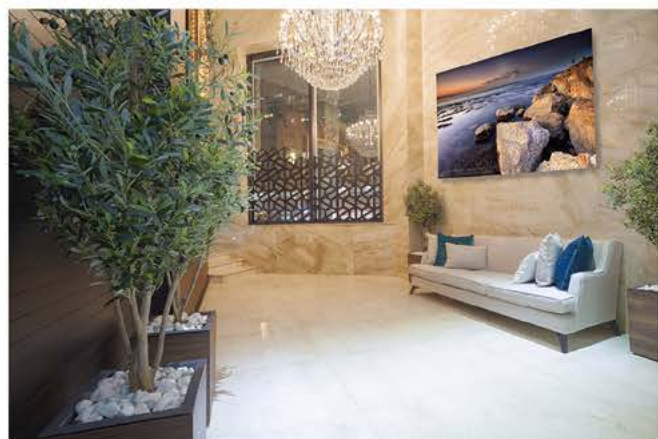
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Argenta Signature Prints are high definition images which have exceptional clarity, are also waterproof, fire-retardant UV, abrasion and chemical-resistant recyclable aluminium.

We also create calm areas using printed acoustic panels from Ecophon to reduce sound pollution and can produce full or partial wallsapes on most materials.



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TURN THE IPAD INTO THE FOCUS OF ANY ROOM

Viveroo's stunning range of wall and furniture mounts for the iPad enhance and complement this icon of design. The distinctive sculptured range is hand-crafted from premium materials and has been created to blend perfectly with the iPad's form. Each mount in the range offers different features that have been designed to provide improved visibility and functionality of the iPad in both domestic and commercial environments.

LOOP

The world's first rotating iPad mount for flush installation. The innovative rotating mechanism makes it possible to alternate between vertical and horizontal positions. Available in Super Silver, Deep Black and Clear White.

LOOP 360

A table-mounted version of the Loop allowing 360-degree rotation of the iPad. Perfect for retail and domestic environments. Available in Super Silver, Deep Black and Clear White.

SQUARE

The design of the Square complements the form of the iPad and offers spectacular presence from any angle. Available in Super Silver, Deep Black and Clear White.

FREE

This distinctive design appears to float in front of the wall. The contemporary asymmetrical lines are beautifully machined from billeted aluminium and create a sharp look in a modern room. Available in Super Silver and Dark Steel.



FREE FLEX

Integrates the iPad into every environment. Features USB cable charging, a rotating joint head to allow landscape or portrait orientation and custom tube length for the perfect lifestyle fit.

FREE FLEX PEDESTAL

The pedestal base allows the Free to be moved from room to room. Features USB cable charging and a rotating joint head to allow landscape or portrait orientation.

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The entire range can be finished in any colour, and corporate branding can be added.

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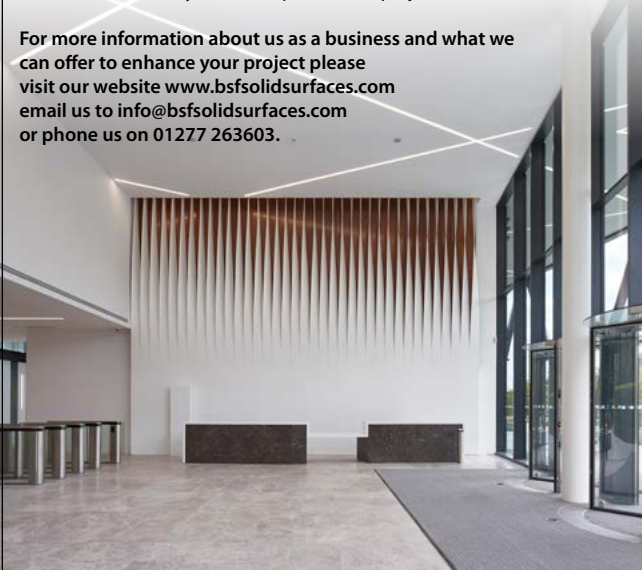
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BSF Solid Surfaces are an approved Specialist Fabricator of all major brands of Solid Surface, which is a versatile, man-made material, these include Dupont Corian, LG Hi Macs, Staron, Hanex and Avonite. BSF Solid Surfaces Ltd is a family run business, which prides itself on its quality and customer service.

We have worked on a number of prestigious projects, including Forbury Place (shown in the picture) where we were commissioned to produce wall cladding, with thermoformed, curved "propeller blades" shown as a curtain, fixed floor to ceiling, produced in LG Hi Macs, in front of the wall already clad with Hi Macs. This is just one example of the type of specialist project we have been involved with. We also produce counter tops, reception desks and vanity units; our portfolio of projects is extensive.

For more information about us as a business and what we can offer to enhance your project please visit our website www.bsfsolidsurfaces.com email us to info@bsfsolidsurfaces.com or phone us on 01277 263603.





FRESH DESIGNS FOR A NEW DECADE

As a new decade begins expect to see enthusiastic exhibitors at the 2020 January Furniture Show (JFS) as they launch 1000's of new products at the 4-day trade show.

Held at Birmingham's NEC, JFS is the UK's largest furniture and interiors trade event and in 2020 it commences on 19th January. Encompassing everything from small interior accessories to grand corner sofas it attracts over 21,000 retail, design and contract buyers each year.

Building on successful show developments from JFS 2019, the 2020 iteration will feature an extended BEDS at JFS sector with more bed companies introducing their latest beds, mattresses and sleep accessories. Major brands including Silentnight, Sealy and Millbrook are among those who will show their newest models. LIGHT at JFS will also see new lighting companies deliver both internal and external lighting of every kind, from simple lamps to extravagant chandeliers. Searchlight, Girard Sudron and Impex Russell are just a few of the notable brands revealing their latest lighting designs.

Exclusive high-end European cabinet and upholstery is always a must-see at JFS and in 2020 Hall 2 will deliver prestigious brands from a great number of European countries including Denmark, Italy and The Netherlands. Ego Italiano, Skovby and Hartmann are just some of the brands giving visitors a treat with their inventive and beautifully crafted furniture.

UK manufacturers and suppliers will abound throughout the 5 halls of the show with household names including Duresta, G Plan and Ercol showing the abundant design flair and manufacturing skills within the British Isles. Reclaimed and mixed materials will feature heavily in the new living, dining and bedroom collections. Up-to-the-minute cabinet designs in marble, metal and glass – often mixed with wood, will complement the newest models in upholstery.

Interior furnishings are a JFS highlight with inventive new collections capturing attention, companies including Gallery Direct, Kelston House and Libra release their comprehensive new collections for



2020 and JFS – fantastical mirrors, vibrant art, and modern tableware will all be on show in a rich patina of colours and materials.

Looking forward to the 2020 event Cleere Scamell, Event Director, said that he was excited about kicking off a new decade with the best JFS yet: "We are already charged with excitement for JFS 2020, we've got developments in every area of the show - enhancing the choices and the experience for our visitors. We know that we are delivering the brands and products that buyers want to see – we have product collections for differing budgets and tastes, and in the 500+ exhibitors, buyers will see they very best of what is available on the market."

For more information please go to www.januaryfurnitureshow.com

January
FURNITURE
SHOW

NEC
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2020

THE
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DULUX TRADE CREATES CONTEMPORARY PAINT FINISH AT WAITROSE EVESHAM

: DULUX TRADE

Latest colours from the durable Dulux Trade Diamond Matt range have been used by Waitrose & Partners to create a contemporary paint finish and help minimise maintenance throughout its store in Evesham, Worcestershire.

Evesham Waitrose & Partners store showcases some of their most recent design thinking.

Thoughtfully curated to create an enjoyable shopping environment for Waitrose & Partners' customers, the interior colour scheme features a collection of shades chosen from the latest Dulux Colour Palette.

Combining a striking balance of colour to assist customer wayfinding, the Dulux colours also help to deliver Waitrose & Partners existing model and culture, which focuses on providing an exceptional customer experience.

Dulux Trade National Sector Manager Retail, Jayne Roughan, supported the design team with painted samples to ensure colour accuracy, also helping to ensure that the right product finish was selected for a busy commercial environment, like this one.

Specified for customer areas in particular at the Evesham store, Dulux Trade Diamond Matt was applied above high traffic areas and in places where additional protection is required, to keep areas cleaner and looking better from a maintenance perspective.

Jayne Roughan from Dulux Trade concludes: "When working with retail clients, like Waitrose & Partners, we always ensure they have access to the latest trends through our ColourFutures™ annual launch. With four trend palettes complementing our Colour of the Year, this is a great way to visualise and bring a new design concept to life. This has been a great success in the Evesham store with inspirational Dulux colours chosen by the design team."

Ideal for a busy retail environment like Waitrose & Partners, Diamond Matt is a tough, water-borne emulsion paint that offers a durable solution. Formulated using Dulux Trade Diamond Technology, Diamond Matt is 50 more durable than a standard trade emulsion.

It also offers new anti-fade technology and superior stain resistance through its unique Stain Repellent Technology, which can be wiped clean repeatedly without polishing up, helping to extend maintenance for up to five years.

For further information please visit www.duluxtradepaintexpert.co.uk.



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SALICE 'EXCESSORIES' – THE NIGHT COLLECTION

Salice opens a new world of elegance and refinement with their Excessories collection which is a range of accessories designed specifically for bedrooms.

An infinite variety of solutions designed to optimise space and to facilitate the perfect arrangement of wardrobe interior fittings, offering infinite possibilities of exquisite style and convenience. Excessories - Night Collection allows wardrobes and walk-in wardrobes of all styles to accommodate elegant hangers, scarves and tie hangers, bag hangers, cotton garment holder bags, trouser hangers and shoe racks, all elements of singular refinement and efficiency. Furthermore, Glovebox trays, watch-holder trays, ring-holders and earring-holders are all available in various dimensions, multiple finishes from fabrics to leather and a variety of beautiful colours from Racing Green to Maron (brown) and luxurious rich cream.

To complete the Excessories collection, an elegant drawer system, finished in Titanium which co-ordinates with Salice's Titanium hinge, is available in three heights and can accommodate base panels in 18mm and 12mm wood-based material, or 4mm glass. They are also available with premium leather inserts if desired. A fixed shelf system, fully compatible with the drawer system, is available with adjustable integrated lighting.

Walter Gosling, UK Branch Director said, "Our Excessories - Night Collection is a very high-end market product. The accessories are so elegant that they work well in luxury hotels and high end retailers. In addition, we also anticipate demand from bespoke manufacturers working with interior designers whose brief it is to offer something exquisite and unique".



For further information on the Salice product range please telephone 01480 413831, email info.salice@saliceuk.co.uk or visit www.saliceuk.co.uk

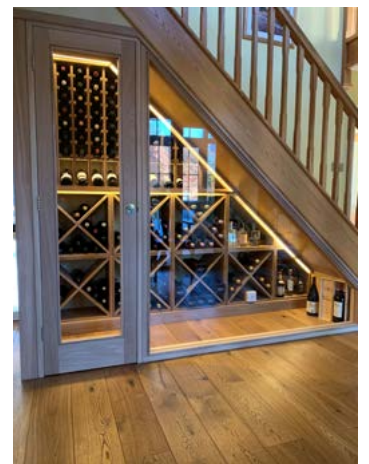


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A & W Moore Wine Racks have been manufacturing wine racks in the UK since 1977. We are a family-run business, providing a comprehensive range of high quality wine racks and wine cabinet storage solutions. We have built our reputation on building bespoke wine racks using only the finest materials, to not only provide you with bespoke storage solutions that are tailor-made to your requirements, but also to ensure that no matter the wood or metal you choose, your wine storage solution will preserve your wine or champagne for generations.



Our reputation for quality products at affordable prices, combined with great personal service, means that we now have loyal clients from every corner of the globe, as well as across the United Kingdom. Choose from our large collection of solid oak wine racks, solid pine wine racks, traditional wood & steel wine racks or all metal wine racks to find your perfect fit.

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DESIGNJUNCTION

: 19 – 22 SEPTEMBER

The award-winning interiors show, designjunction is returning to King's Cross during the London Design Festival, 19 – 22 September 2019. Now in its ninth year, designjunction has proven itself to be the most anticipated event of the Festival, attracting over 27,000 visitors across four days in 2018. This year, designjunction will present a curated mix of over 100 world-renowned furniture, lighting, accessory and technology brands alongside pop-up shops, installations, temporary structures and major brand activations.

Taking on the theme: (Re)act, designjunction is calling upon its exhibitors as agents of change, to react to issues, to re-imagine opportunities and to re-connect with their audiences. Exhibitors will be creating challenging products and activations, encouraging visitors to think differently about the world and the spaces that they inhabit.



Cubit House, designjunction's trade destination, will play a backdrop to cutting-edge furniture and lighting, alongside innovations in materials, emerging designers and breakthrough brands. Here, visitors will find new and innovative product launches and design discoveries. Scandinavian design duo Friends and Founders will launch structural new pieces including the FF chairs, which feature a chrome-plated steel tube structure and curved backrest, in an obvious nod towards the Bauhaus movement. Bauhaus inspired design will be hard to miss at the 2019 edition of LDF, with numerous brands taking their inspiration from the movement, which celebrates its centenary year.

This year, designjunction are bringing consumer brands back to The Canopy, housing over 70 premium pop-up shops and emerging design labels, selling everything from fashion accessories to technology, ceramics, glassware and stationery. The area will take shape under an impressive heritage-protected wrought iron structure. Canopy exhibitor, Tom Pigeon, follows a simple abstract style inspired by the balance and rhythm of shapes, and can be seen across the brand's new Mix Match Shop: an exclusive collection of jewellery and print which will encourage visitors to experiment with shape, colour and material to customise their purchase and leave with their own unique combinations. Other exhibitors include Abalon, Chalk Wovens, Cristian Zuzunaga and more.

designjunction have launched a brand-new Talks programme for 2019, sponsored by Clippings. Set against the millennial-pink backdrop of the Everyman Cinema and curated by design and architecture writer and commentator Grant Gibson, the two-day platform (Thursday 19 - Friday 20 September) is set to challenge, provoke and engage with an eclectic range of topical issues that include sustainability and the circular economy; the relationship between dyslexia and design; the need for increased diversity in design; and the importance of wellbeing at work.

There will be a myriad of features throughout the show including 'Talk to Me': a powerful and engaging two-piece interactive installation by



Render of Talk to Me by Steuart Padwick

multi-award-winning British designer Steuart Padwick, situated along King's Boulevard in King's Cross and 'The Greenhouse' by LSA: an immersive installation, celebrating sustainable living and showcasing their latest collection, CANOPY, whilst surrounded by plant based food and live demonstrations. Yamaha Design Studio + Keech Design will be partnering with other designers from brands such as Panasonic and Nikon to create 'reassemble': toys for all ages – a playful installation to be enjoyed by all.

Register now for your ticket at www.designjunction.co.uk



Drawing of King's Cross by designjunction exhibitor, Cherrie Jerrard

CUBIT HOUSE, DESIGNJUNCTION'S TRADE DESTINATION, WILL PLAY A BACKDROP TO CUTTING-EDGE FURNITURE AND LIGHTING, ALONGSIDE INNOVATIONS IN MATERIALS, EMERGING DESIGNERS AND BREAKTHROUGH BRANDS.

designjunction

19–22 September 2019
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thedesignjunction.co.uk
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THINK



REACT
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PLASWOOD RAISED BEDS – FOR THE SUSTAINABLE GARDENER

The latest product range from Plaswood has been designed with the sustainable gardener in mind. Made in the UK from 100% recycled plastic, Plaswood raised beds and planters provide year-round vegetable or flower space that require no maintenance painting or preserving, will not rot or splinter with age, and will outlast any timber alternative.

A great choice for any garden, allotment, school or communal area, the flexibility of the new modular design offers custom made sizes to suit an individual's need or preference. The 1m long panels are available in colours black and brown.

Plaswood raised beds will enhance any outside space, whatever the size. Due to the product's robust weather and waterproof credentials the raised beds will withstand the harshest of winters and can be enjoyed all year round.

The Plaswood recycled plastic product range nurtures nature by diverting plastic waste from landfill, rivers and oceans.



At a dedicated recycling and remanufacturing site in Dumfries, plastic is remanufactured into second life products, such as raised beds, planters, outdoor furniture, decking and much more.

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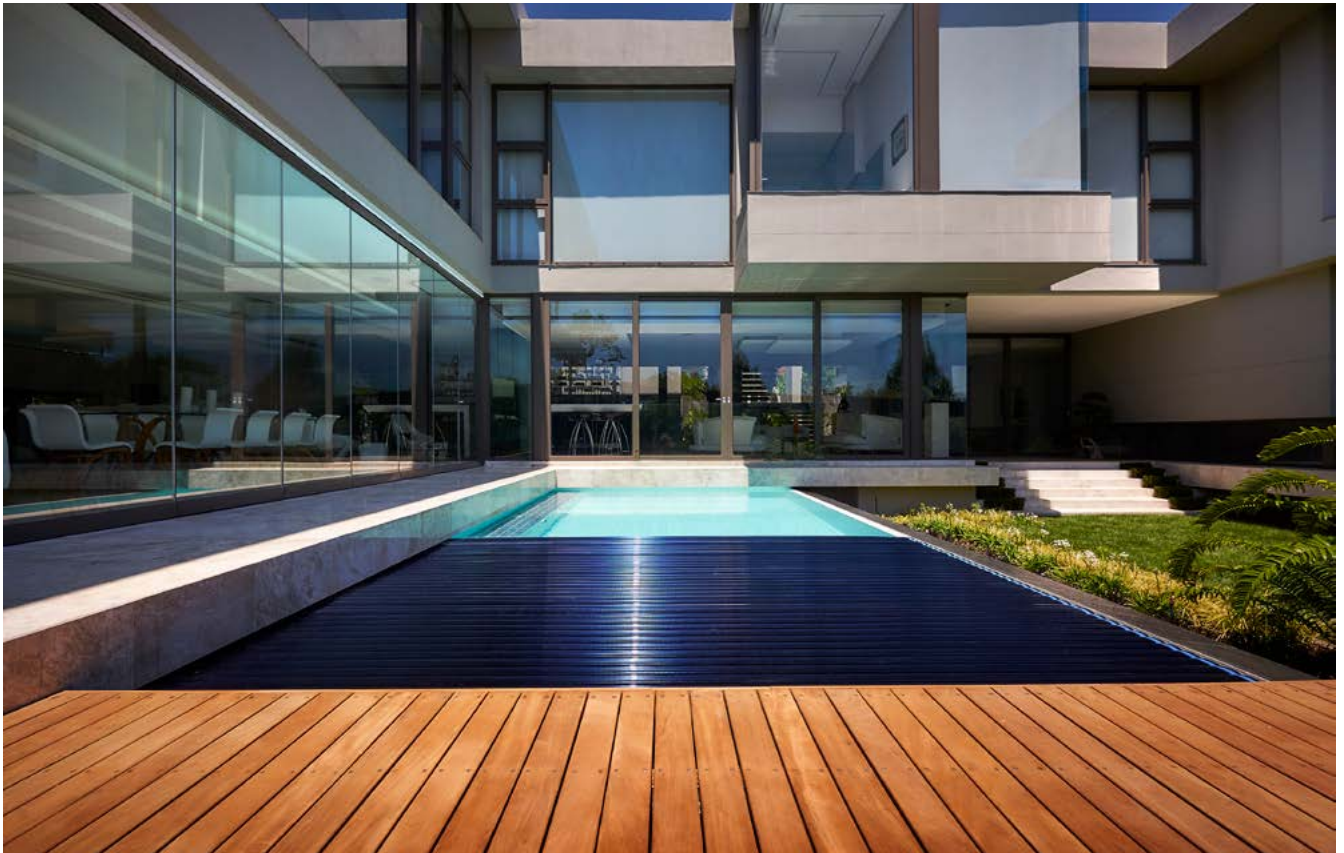
Oeco Garden Rooms have been manufacturing and installing timber framed structures for over 10 years. They specialise in building bespoke garden rooms, offices and studios for those who want to extend their living space for a multitude of uses.



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Our bespoke garden room service allows you to decide on site where you want the windows and doors, switches, lights and sockets placed and allows our installers to run any additional wiring such as internet, telephone or alarm cables inside the walls.

Visit www.oecogardenrooms.co.uk or contact one of our sales team on 0800 170 1270 for more information or to request a brochure.



1 SWIMMING POOL

4 POOLLOCK AUTOMATIC COVERS

To cover the pool surface on this very particular design of pool, PoolLock supplied one automatic slatted cover and three automatic safety covers, including a customized V4XXL safety cover system spanning an 11m width. Thanks to its many years of experience designing and producing automatic covers, PoolLock is able to work with customers and architects to create tailored solutions to cover almost any kind of pool.

PoolLock's unique hydraulic-drive system means that you do not need any electrical components near your pool.

The electrical power pack used to operate the cover and drive the two hydraulic motors can be placed as far from the pool as required. Opening and closing the pool is as easy as turning a key switch, which means that the cover (and the pool) are actually used once installed.

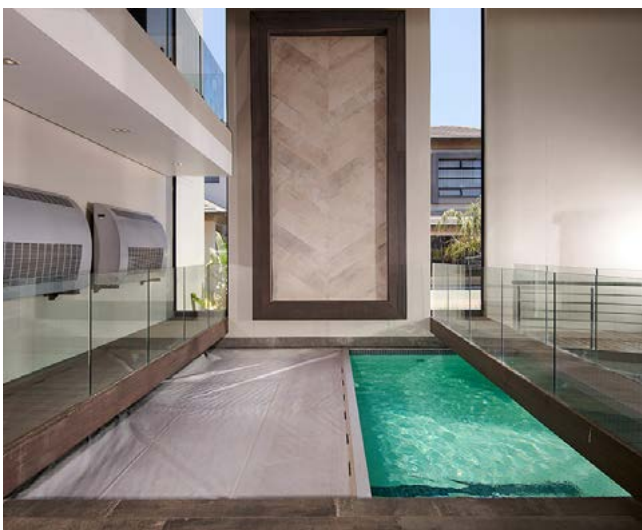
PoolLock safety covers provide a solid barrier between the water and surrounding area, effectively preventing any access to the water and making them the safest covers on the market. In addition, all PoolLock covers will reduce the amount of heat, water and chemicals lost through evaporation, which means pool owners can save money on electricity and chemical usage.

In addition to the standard fabric options, PoolLock also offers HeatLock Thermofoam canvas with enhanced insulation properties. Thanks to the foamed insulation layer applied to one side of the canvas, heat transfer across the membrane is reduced by a factor of 3 when compared to standard fabrics for similar applications. HeatLock's closed-cell foam structure ensure that PoolLock covers are not only the safest, but also the most energy-efficient available on the market.

PoolLock Automatic Covers offer you the safest, most convenient, most reliable and energy-efficient way to cover your pool.

With over 30 years of experience, and installations in over 20 countries, PoolLock is one of the world's leading manufacturers and suppliers of automatic safety and slatted covers for swimming pools.

www.poollock.com/





CELEBRATE THE BEST IN LANDSCAPE **AT THE** **#LIAWARDS2019**

Join the Landscape Institute on Thursday 28 November for its boldest, most innovative and inclusive LI Awards ceremony to date.

Among the landscape industry's highest accolades, the LI Awards celebrate the outstanding achievements of landscape designers, managers, planners, researchers and more around the world.

Tickets for the spectacular ceremony are now on sale! We've moved to a stunning new venue, the Troxy in East London, and thanks to headline sponsors Hardscape it's set to be our biggest Awards yet.

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Scotscape and Grosvenor Britain and Ireland recently launched the Smart Pillar, whereby Scotscape's Fytotextile Living wall system was adapted to be retrofitted onto the lamp posts of Ebury Street in London's Belgravia. With irrigation powered by solar energy, a damage free fitting system and a tank of 75 ltrs of water incorporated in the design – it looks like greening up our lamp posts could become the norm across the UK. The press have welcomed such green innovation and we have seen Smart Pillar featured in the Telegraph, The Evening Standard, Pro Landscaper, Horticulture Week. Interest from borough councils and property developers is very high for this new greening option.

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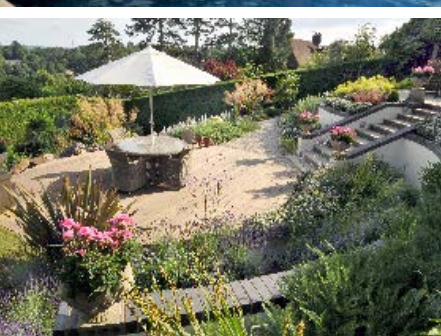
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SIMPLE DECKING UPGRADES THAT DELIVER ON RETURNS

Building a deck is unquestionably one of the best investments a homeowner can make. In order to help homeowners and contractors make the most of their outdoor space, Trex the number one composite decking brand has offered some top tips for building a deck that delivers maximum enjoyment and ROI.

PROTECT YOUR INVESTMENT

Homeowners today have access to high-performance deck boards warranted to last for decades. But, unless the proper steps are taken from the start, the deck's foundation could begin decaying within the first 10 years. This is because the vast majority of substructures are built using wood, which is susceptible to damage from the outdoor elements.

Easily one of wood's worst enemies, moisture contributes to mould growth and can accelerate structural deterioration.

1. Trex® Protect™ Joist and Beam Tape is a self-adhesive butyl tape designed to protect wooden joists and beams from moisture that can lead to rot and the loosening of deck screws and fasteners. Effectively shielding the top of joists, rim joists, ledger boards and beams from moisture it also acts as a barrier between the wood and galvanized metal commonly used in construction hardware such as joist hangers. Additionally, Trex Protect seals deck fasteners and helps deck screws hold longer and stronger by preventing moisture penetration and defending against splitting that can result from seasonal freezing and thawing. Trex Protect works as a cap (vs wrapping), which allows the wood to breathe. The butyl-based self-adhesive also won't bleed, dry out as quickly, or curl up and hold water like many asphalt-based tapes.

2. Trex® RainEscape® - To protect an elevated deck from moisture, consider installing an under-deck drainage system. Using a network of troughs and downspouts, these systems capture and divert water away from a deck. They also allow homeowners to double their outdoor space and create a truly unique outdoor



living space, by protecting the area below the deck from rain, sun and other elements, making it useable for storage or as an additional living area.

All of these upgrades and decking materials add considerable function and value to a deck project without adding a lot of time or cost. For homeowners, this translates into greater satisfaction and increased ROI. For builders, they are great ways to earn more profit and over time.

www.uk.trex.com

INNOVATIVE RANGE OF MARANO RAILINGS- LAUNCHED BY F.H. BRUNDLE

A new range of innovative and easy-to-install railings have been unveiled by leading railings supplier F.H. Brundle.

The stunning Marano railings include pre-assembled aluminium posts, available in square and round profile, with a satin anodised finish. The system can be installed with or without a rectangular or oval top rail.

Quick and simple to install, the railings are fully engineered to meet the requirements of most applications.

They are complimented by the new Marano Contemporary range with glass panels or slats, offering style and sophistication without compromising views.

The Contemporary range can also be cut to size for fitting between steel or wooden posts and pillars.

F.H. Brundle, which is this year celebrating 130 years in business, launched the new Marano range within its bigger ever Master Catalogue, which has just been released and showcases its full range of innovative products and systems over an impressive 740 pages.

To find out more about the Marano range, please visit <https://www.fhbrundle.co.uk/>.



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The problem

Our client wished to extend their privately owned terraced property in Battersea, London, from 2 floors to 3 floors to gain another bedroom and en-suite.

However, this meant that additional fire safety measures would have to be implemented throughout the property to safely increase travel distances in order to comply with Building Regulations.



Testimonial

"Lumi-Plugin has allowed us to keep the open plan we liked without spoiling the look of the period building. In fact, you can't see the sprinklers or the fire alarms as they are hidden in the ceiling lights. The system is great"



WHITE-HOT FAÇADES IN THE HEART OF DALLAS, TEXAS

NEOLITH

AC Hotel and Residence Inn by Marriott in Dallas makes a statement with Neolith® exterior cladding

For a state that experiences temperatures of over 100 degrees at least five months a year¹, infrastructure that stays cool isn't a luxury but a necessity.

Texas, the second largest state in the US in terms of both area and population, requires architecture that can withstand pollution, heat and heavy footfall—all of which are major considerations for hotels in particular.

In response to a need for exterior cladding that is both eye-catching and resilient, Neolith®, a leading brand of Sintered Stone, was specified for the AC Hotel and Residence Inn Dallas by the Galleria in Texas.

When it comes to beautiful façades, the dual-branded Marriott isn't Neolith's first, but it's certainly one of its most prominent; the hotel sits at the centre of a brand new, £3.3 billion mixed-use development in bustling Dallas Midtown, an area dubbed a 'city within a city' and which has seen a revitalisation set to transform the urban landscape of the sprawling Texan metropolis.

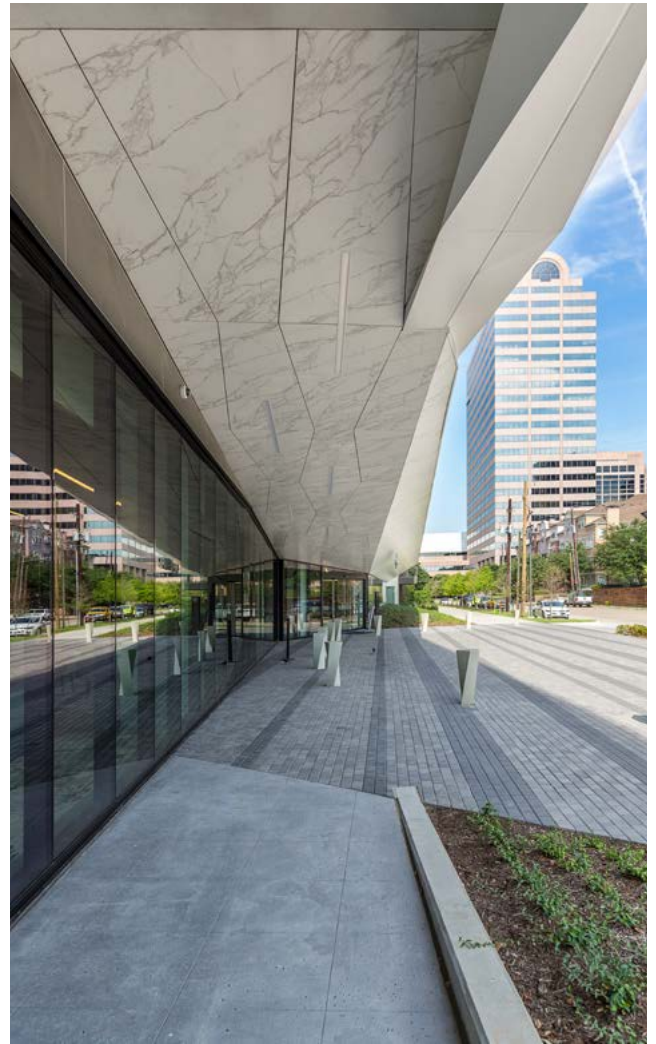
A FLARE FOR FAÇADES

To reflect the neighbourhood's resurgence, award-winning, Dallas-based architecture firm 5G Studio Collaborative sought an outside the box, contemporary design to match the timelessness, comfort and authenticity of the Marriott brand. The firm crafted an engaging aesthetic that embraces AC Hotels' signature Spanish architectural heritage and European flair, while also incorporating Dallas' modern architectural style with fabricated metal rainscreens.

Creating a memorable first impression for guests, the hotel's striking 5,000-square-foot entrance façade also features thoughtfully designed trapezoid-shaped Sintered Stone slabs carefully put together by local fabricator and installer Holland Marble.

Speaking on the design, Lauren Cadieux, Associate and Designer at 5G Studio Collaborative, commented, "The client requested a natural-looking material for this project, however genuine rock such as marble is susceptible to staining and breakage. We suggested Neolith because not only is it classic and elegant, but it is strong and long-lasting.

"The design journey was an enjoyable one as we were able to maintain the initial concept right from the beginning stages until completion. We are very happy with the end result: a seemingly 'floating' façade that transitions effortlessly across the front, west and east sides of the exterior and which also has a welcoming effect—an aspect vital to a commercial space such as a hotel."



WHEN IT COMES TO BEAUTIFUL FAÇADES, THE DUAL-BRANDED MARRIOTT ISN'T NEOLITH'S FIRST, BUT IT'S CERTAINLY ONE OF ITS MOST PROMINENT.



BATTLING THE ELEMENTS

While marble is not amenable to exterior applications due to its delicate composition, Neolith stands up against the elements, making it ideal for exterior cladding in a busy urban environment.

Calacatta—the colour used for the project—recreates the look of white Italian marble and is characterised by a uniform grey vein with hints of gold, bringing vitality to the exterior. A light-coloured façade is not only essential in a state like Texas because it reflects heat, but it is very much on-trend.

“While Neolith is well known for its application in kitchens and bathrooms, architects are increasingly specifying the brand for exterior cladding projects, truly showcasing its versatility and durability,” noted Zuzana Holland, Commercial Sales Manager at Holland Marble.

“The project required a classic colour with a modern feel that could not only withstand the Texan heat, but that would also emit a welcoming aura to both hotel guests and passersby. Having just completed another commercial façade project with 5G Studio using Neolith, we knew it would be the perfect material for this stunning piece of architecture and that it would stand the test of time,” she added.

THE STRONGER THE BETTER

In addition to the slab design, Neolith provided installation and technical support to the project through implementation of its StrongFix system.

The system is tailored specifically for each installation offering a complete package: the slabs, anchoring system, cutting and assembling services and consulting all stem from a single source.

THE DESIGN JOURNEY WAS AN ENJOYABLE ONE AS WE WERE ABLE TO MAINTAIN THE INITIAL CONCEPT RIGHT FROM THE BEGINNING STAGES UNTIL COMPLETION.



INNOVATIVE INFRASTRUCTURE

In a bustling metropolis, the requirements for a hotel to be successful are abundant. It takes a combination of imagination and dedication to create a concept that will work, not only in terms of the hotel's level of service, but its overall aesthetic.

Together with 5G Studio Collaborative and Holland Marble, Neolith has helped bring to life the vision of this hotel brand while setting the standard for future architecture of Dallas Midtown.

For more information on the Neolith brand, please visit www.neolith.com.

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A SPECIAL FACADE FOR A SPECIAL STORE

The premises of the Østjysk Våbenhandel in Denmark can be clearly seen from a major motorway. For customers, as well as those driving past, the unusual facade of this building catches the eye and is a landmark for the area. RMIG have manufactured and supplied 400 m² of perforated sheets that make up the facade, and with RMIG ImagePerf, a giant motif of a pheasant in flight decorates the building.

The large open area of the perforated sheets provides good visibility of the outside surroundings for those using the building during the day, and at night the lights in the store's foyer shine through the perforation, accentuating the stunning image.

Østjysk Våbenhandel
Weapon store, Hedensted, Denmark
Architects: Ginneruparkitekter

TECHNICAL CHARACTERISTICS

Raw material: Aluminium 5005 EQ

Pattern: RMIG ImagePerf

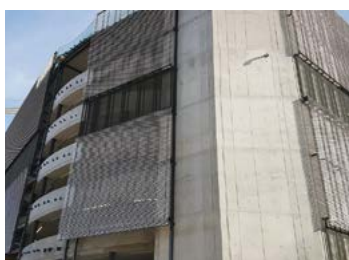
Thickness: 3.0 mm

Surface treatment: Powder coating

For further information or if you would like to book a CPD Presentation 'Perforation in Architecture' please contact info.uk@rmig.com www.city-emotion.com

CASE STUDY: LIDL HEADQUARTERS

Lindapter Girder Clamps provided an easy to install solution for a sun protection cladding system at Lidl's headquarters in Germany. The challenge was to find a suitable method of connecting the cladding system to the steel structure of the staff car park, and one that was easy to install.



A T-shaped steel bracket with an end plate incorporating four pre-drilled holes was designed. Lindapter Type A Girder Clamps were then specified for the end plate connection to achieve the required tensile resistance and safe working load.

A hot dip galvanised (HDG) finish was also specified for the Girder Clamps to provide a high level of corrosion protection.

The brackets were connected to the steel sections using Lindapter Type A Girder Clamps through the end plates in a four-bolt configuration. Installation was quick and easy as each bolt is simply inserted into the pre-drilled holes with the Type A on one end and nut on the other. This solution provided a drilling and weld free connection onsite that was quick and easy to install.

Download our Façades & Cladding brochure at: www.lindapter.com/Downloads/Market_Brochures

SPV COMPLETE CLADDING WORKS AT THE NEC

SPV Group- the Walsall based refurbishment specialists, have recently completed Phase 2 of the cladding works at The NEC, Birmingham. The cladding works undertaken by SPV form part of a £4.5 million transformation which will completely change the look and feel of the iconic Birmingham based venue. The new design has recently seen 37 pyramid translucent structures installed – created by architects Acivico – that can be backlit to create a stunning visual effect sandwiched between the pyramids are a series of vibrant colour panels designed by global agency McCann.



The finished result using this innovative technology is visually stunning. The project has not only transformed and modernised the dated building which was originally built in 1976, but has also made the area a far more dynamic and engaging environment for all customers and set the NEC apart as one of the best leisure destinations in the country. SPV's remit was the installation of designed metal rainscreen cassette panel cladding complete with bespoke flashings.

www.spv-uk.co.uk/



UL AND WINTech TESTING AND CERTIFICATION COMBINE TO PROVIDE BEST IN CLASS TESTING AND CERTIFICATION SERVICES TO THE BUILDING ENVELOPE COMMUNITY

UL, a global safety science leader, announced the acquisition of Wintech Testing and Certification, a Telford, U.K.-based firm that provides testing and certification services to architects, building owners, manufacturers and others across the built environment community.

Wintech Testing and Certification is a privately-owned firm that offers testing and certification services to the building envelope market, including Secured by Design for Windows & Doors and NHBC-compliant certification for Curtain Walling & Rainscreen Cladding products. Wintech Testing and Certification's unique laboratory facilities are among the largest in the U.K. and are accredited by UKAS. Wintech Testing and Certification also holds accreditation from UKAS as a certification body operating several schemes involving certification of windows, doors, curtain walls, and rainscreen cladding. Over the last twenty-five years, Wintech Testing and Certification has contributed to many high-caliber projects throughout the United Kingdom and Europe.

"UL and Wintech Testing and Certification have a shared mission and complementary businesses. We are relied upon by the building materials community for the services and knowledge that they need to enhance public safety, meet regulatory demands, protect brand value and successfully access the global market," said Kevin Faltin, vice president of UL Building and Life Safety Technologies division. "Working as one, UL and Wintech Testing and Certification will continue to grow the vision that has brought us together, that of

becoming a global leader in the field of building envelope evaluation, testing and certification."

Wintech Testing and Certification's employees will join and strengthen UL's existing building envelope team. The group's building science thought leadership and global center of excellence will be based out of the Telford, U.K. headquarters.

"We are excited by this opportunity to join forces with UL and provide best-in-class services to the building envelope community," said Gailord Nepp, former managing director of Wintech Testing and Certification and now European business development manager - Building Envelope Services for UL. "Our group's shared reputation for delivering industry leading services and in-depth industry knowledge will continue to strengthen our position as leaders in the field of building envelope evaluation, testing and certification. Joining forces with UL will allow us to significantly accelerate our growth and access to global markets, in addition to providing our clients with a broader range of complimentary services and expertise. Clients can rest assured that customer service and technical quality will remain our top priorities, and that our newly integrated capabilities will deliver even more value."

The transaction closed on June 28, 2019. Terms of the acquisition were not disclosed.

To learn more, visit [UL.com](https://www.ul.com).



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Florence Hubert
Bank of England



Heathrow Airport talking about their ongoing expansion plans



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Simon Lawrence from the Infrastructure and Projects Authority, **Cabinet Office** speaking about the construction pipeline



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Review of new construction contracts

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CORRIDORS REFRESHED WITH YEOMAN SHIELD WALL & DOOR PROTECTION

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

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

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

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

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

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

Pete Trenchard, who specified and project managed the scheme on behalf of Sheffield Teaching Hospitals added "When carrying out improvements and refurbishment of the corridors, in line with



the STH standard colour scheme and standard fit out, I was keen to incorporate the Yeoman Shield range of products to achieve a long-term solution.

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

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

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

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THREE BRANDS, ONE OBJECTIVE - SAFE ACCESS ALL AREAS

Three of the UK's leading access specialists have come together to form the Access 360 portfolio, providing a total manufacturing solution for roof, ceiling, wall and floor access products for the construction industry.

Access 360 comprises Bilco UK, Profab Access and Howe Green. These well-established brands all have a strong reputation for delivering innovative solutions to address the challenges of safe access within a building or external environment.

The brand identities have been updated, reflecting the holistic offer that Access 360 presents to the market, to represent the synergy between the brands and the complementary nature of the products.

Bilco UK is a horizontal access specialist supplying the commercial market with standard and bespoke roof access hatches, ladders, smoke vents and floor doors.

Following the acquisition of Bilco by the Tyman Group in 2016 Bilco UK became part of home security specialist ERA in April 2017.



Howe Green was acquired by Bilco UK in 2017. The company manufactures fabricated floor access covers, linear drainage, tree pit covers and bespoke metalwork from a manufacturing facility in Hertfordshire.

In August 2018 Profab Access, a leading manufacturer of vertical access panels, riser doors and steel doors, with a manufacturing and distribution facility in Warwickshire, was acquired.

The strategic acquisitions of Howe Green and Profab Access were designed to strengthen Bilco UK's "Safe Access All Areas" proposition. The three companies serve the same market, working with architects, specifiers and building service professionals to provide trusted, high quality, safe access solutions.

Visit www.access-360.co.uk for further information.

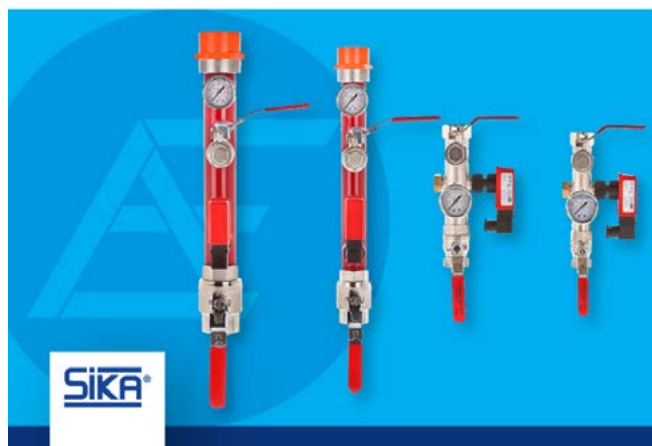


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INNOVATIVE HOME THE VISION OF TWO ARTISTS

KEBONY

Positioned amongst rough terrain and rocky landscapes on the island of Skåtøy, Norway, sits a remarkable holiday home built by two artists whose vision was to create an innovative and peaceful retreat. Expertly designed to be in keeping with its natural Nordic surroundings, Kebony was selected to clad the exterior of the property, creating a beautiful and sustainable home which blends delicately into the rugged landscape.

Aptly named, House on an Island, this unique build combines an intricate timber façade with concrete split-level interiors. Where concrete flooring blurs the divide between the home's interior and its rocky surroundings, the use of rich Kebony wood unites the house with adjacent trees which populate the Scandinavian island. In the coming years, the dark brown tones of Kebony will begin to develop a silver patina to match the rustic charm of Skåtøy.

The design brief for the property's interior was to create a suitable space for both artists to utilise for contemplation and work away from any distractions. Renowned architects Atelier Oslo created a ruin-like structure within the home which comprises an open-plan living space, kitchen, fireplace and a micro-mezzanine level. The grid-like Kebony wood frame works in conjunction with the long glazed walls to scatter sunshine into the house and provide a natural, calm environment for the owners to enjoy in all seasons.

Developed in Norway, Kebony's revolutionary technology is an environmentally friendly process which modifies sustainably sourced softwoods by heating the wood with furfuryl alcohol - an agricultural by-product. By polymerising the wood's cell wall, the softwoods permanently take on the attributes of tropical hardwood including high durability, hardness and dimensional stability. Kebony's ability to withstand all weather conditions made it the ideal material for the exterior cladding of the island project.

Thomas Liu, Architect at Atelier Oslo commented: "We were blessed with this project brief which enabled us to create a property that we are immensely proud of. Kebony is the perfect choice for this project because it is suitable for the window frames as well as the sunscreen structure. We are incredibly pleased with the final result which we hope will continue to provide a serene setting for our artists."

Mette Valen, Sales Manager Norway at Kebony added: "Kebony is delighted to have contributed to this beautiful island house. We are particularly impressed by its unique grid frame, which has been skilfully designed and would love to revisit this project as the wood adopts its silver-grey patina".

www.atelieroslo.no/



KEBONY'S ABILITY TO WITHSTAND ALL WEATHER CONDITIONS MADE IT THE IDEAL MATERIAL FOR THE EXTERIOR CLADDING OF THE ISLAND PROJECT.



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Founded in 1995 to manufacture Swedish homes for Scandia Hus, ATT (Advanced Timber Technology) was bought in 2002 by Prof. Dr. Michael Benfield. Since then his focus on end user needs has delivered highly effective, quality buildings for projects large & small plus solutions for difficult sites, like soft ground, steep slopes and flood risk areas.

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

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

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

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

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

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

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

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

Prof. Dr. Michael Benfield



Green Building, green construction, or sustainable building is not new; it's the practice of designing, constructing, and operating buildings to minimize resource use, reduce waste and avoid negative environmental impacts.

For 25 years -and more -we've been designing, manufacturing and constructing 'Green Buildings' and components in a 'Green' way. Creating buildings that deliver a positive impact on our climate and natural environment. It's in our DNA!

Low Energy Buildings are what we are about. By helping reduce your energy consumption we help you reduce your energy bills, increase your property value and, if you're a business, increases your profits and marketing potential. If you're a homeowner it gives you more free cash to spend on the other things you'd like in life.

Lifestyle Living is, therefore, one more box our buildings can tick for you. It's also one of our aims when working with you and your professional advisors. Understanding the way you live and operate, sharing your aspirations for 'something better' is part of what drives us.

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



Benfield ATT, Caldicot, NP26 5PR info@benfieldatt.uk www.benfieldatt.uk 01291 437 050

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

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Along with full designs, Pear Stairs sell a large range of quality stair parts. To find the ideal design or parts for you, visit the Pear Stairs online store, or to discuss your precise staircase requirements, call their team of friendly designers.

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www.capricornecotimber.co.uk

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WEB: www.jamesjones.co.uk/ewp EMAIL: jjj-joists@jamesjones.co.uk



**James Jones
& SONS LIMITED**
TIMBER SYSTEMS DIVISION



FIVE REASONS NOT TO MISS THIS YEAR'S UK CONSTRUCTION WEEK

UK CONSTRUCTION WEEK

We all know we need to get out more. How else will we meet new people, learn new things, find new ideas and discover new products? By taking advantage of UK Construction Week (UKCW) at the NEC on 8-10 October, you can tick off all the above at one event.

1. PEOPLE AND PRODUCTS

If you need to source a new heat pump, an innovative sustainable material, or even new BIM software, then look no further than UKCW. With over 10,000 products being showcased, everything you need is under one roof. You can connect with exhibitors beforehand via the exhibitors' portal and to help with meetings, there's a new networking lounge with free WIFI.

MaterialDistrict are back for a second year at UKCW and will be exhibiting within the Surfaces and Materials area of the show. This year's display is entirely dedicated to materials for architecture and design. The products on display are made from a range of materials including recycled plastic, bamboo, glass, and coffee grinds. Be inspired by the innovative building materials of the future.

2. DIGITAL INNOVATION AND MMC

This year UKCW is shining a spotlight on the serious change-makers in construction. To aid the search, a new Innovation Zone has been established in partnership with the Construction Innovation Hub (the Hub). Modern Methods of Construction (MMC) is also a strong

theme at the show. Full-scale builds will be erected onsite with live demos of MMC technology in action.

3. LEARN FROM THE EXPERTS

UKCW brings together more than 300 expert speakers including Mark Farmer who is spearheading policy initiatives on MMC, Chandru Dissanayeke, director of building safety reforms at MHCLG, and Keith Waller, programme director at the Construction Innovation Hub. There will also be more than 150 hours of CPD content covering themes such as fire safety, health and wellbeing and sustainability. And there's a new Careers Centre offering workshops on apprenticeships, staff retention, diversity and new talent.

4. AN UNFORGETTABLE EXPERIENCE

Make time to visit the Coventry University site simulator for your chance to run a building site for the day. It's hailed as one of the most powerful experiences of any construction show.

5. CELEBRATIONS AND A BEER FESTIVAL

The show hosts the UKCW Role Model of the year, the new Building Trades Awards with Fix Radio and the new UKCW Construction Awards. Unwind each day at the Beer Festival and don't forget the 'Rockaoke' on Wednesday night.

UKCW is made up of: Build sponsored by Easy-Trim, Building Tech, Civils, Energy and HVAC, Surface and Materials, and Timber. It also features Concrete Expo (8-9 October only) and Grand Designs Live (9-10 October only).

Single registration gives access to all areas of the show. For further information follow @UK_CW or search for the hashtag #UKCW2019.

BUILD
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**BUILDING
TECH**

CIVILS

**ENERGY
& HVAC**

**SURFACE &
MATERIALS**

TIMBER

**CONCRETE
EXPO**
8-9 OCT

**GRAND
DESIGNS LIVE**
9-10 OCT

UK CONSTRUCTION WEEK | 2019



8-10 OCTOBER | NEC | BIRMINGHAM

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ukconstructionweek.com

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Changes for the Better



**CONSTRUCTION
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SPSENVIRROWALL'S NEW CAVITY SYSTEM IS THE PERFECT COMBINATION OF FORM AND FUNCTION

SPSenvirowall is bringing a new Cavity External Wall Insulation System to market that not only provides the aesthetic appeal that architects and specifiers want, but also delivers significant benefits in lightweight construction with building regulation compliance for buildings up to and over 18 metres with an extensive range of brick and render finishes.

Experts and leading external wall insulation and façades supplier, SPSenvirowall has announced its latest fully tested and accredited addition to its expanding range of innovative systems – The Cavity System.

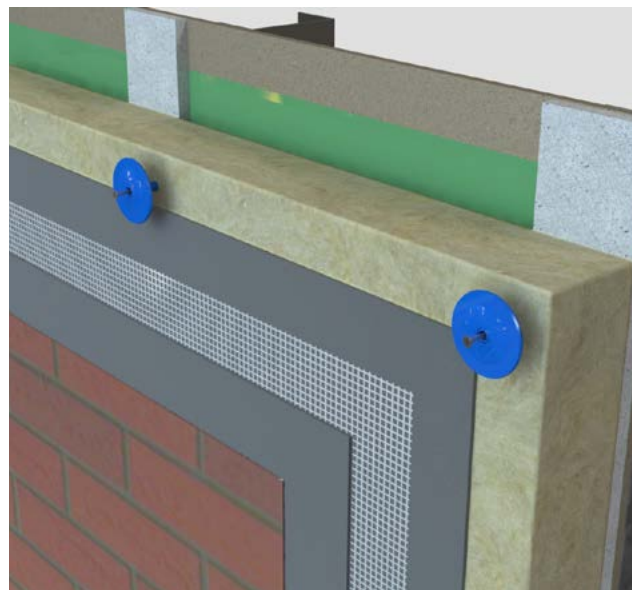


Extensively used on lightweight structures, cavity systems create a drainage void between the cladding and the sheathed framed structure. SPSEnvirowall Cavity Systems 1 & 2 are the next generation of this solution.

The speed at which the LSF and insulated cladding can be erected and weatherproofed, provides extensive benefits to developers, often removing the cladding from the critical path, bringing forward the internal trades and thereby shortening the contract period, thus eliminating the problems associated with brick and blockwork construction.

This modern method of construction has proven extremely popular over recent years and dominates the build method used for mid to high rise structures, which is an ideal scenario to specify and install the new SPSEnvirowall Cavity Systems.

The SPSEnvirowall Cavity Systems consist of EuroClass A1 components, which are mechanically fixed back to the inner sheathing board to create the designed cavity width, with either the insulation board fitted directly to the A1 fillets (CS1 system) or a secondary A1 sheathing board and insulation (CS2 system).



A proprietary base coat render is applied to the mineral wool insulation boards with a reinforcing plastic-coated glass fibre mesh prior to the application of the required finishes.

The Cavity Systems benefit from a KIWA BDA certification and is accepted by leading building warranty and insurance providers. In addition, the new system from SPSEnvirowall is compliant with approved document B and Technical Handbook section 2 and has a minimum EuroClass Reaction to Fire classification of A2 –s1, d0. With an A rated fire classification, the Cavity System meets the requirements of the building regulations for buildings over 18 meters in height.

The system can accommodate a range of finishes, including SPSEnvirowall high performance textured finishes – Silicone, FlexiSil and Enviromin as well as brick effect facades – SpeedySlip and BrickStick, offering the traditional appearance of brick which is extremely durable and lightweight.

Kevin Mangan, Innovation Manager said: "We are pleased to introduce our new Cavity (CS) System into the market. Providing a fully accredited external wall insulation system, accepted by most building warranty and insurance providers. It's quick and easy to install and an extremely cost-effective solution to providing brick and render finishes to lightweight fast track construction up to and above 18 meters."

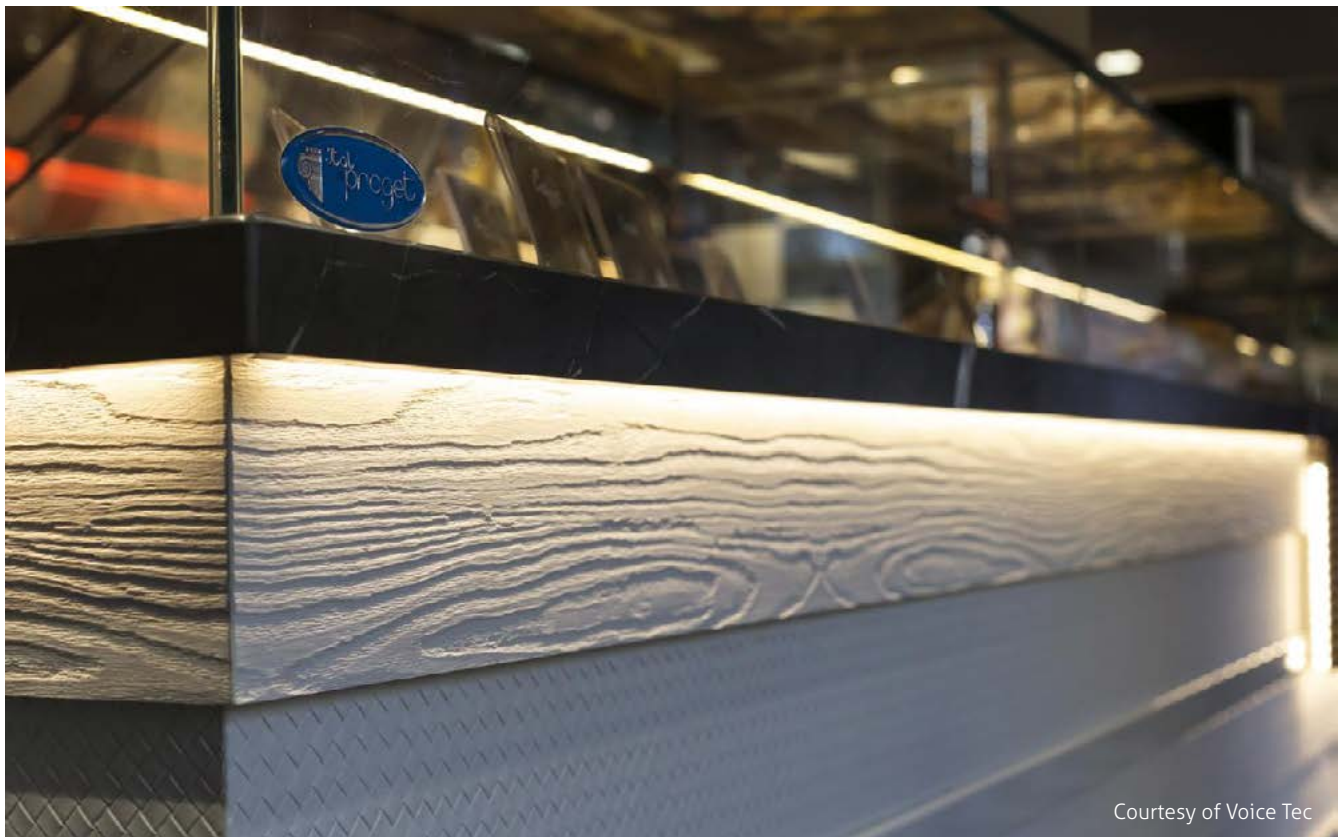
About SPSEnvirowall

SPSEnvirowall is a leading UK supplier of external wall insulation systems to the construction industry for new build, refurbishment and offsite applications.

Supplying insulation systems, high-quality decorative renders, façades and rain screen cladding solutions, SPSEnvirowall offers a value-added and integrated service to any construction project.

Through an exclusive UK distribution partnership with Dynamic Cladding, SPS Facades Limited offers innovative external rain screen cladding systems with a wide range of glass and stone finishes

To find out more about SPSEnvirowall or book a CPD for our New CS 1 & 2 Systems, visit www.spsenvirowall.co.uk or call 01535 661633.



Courtesy of Voice Tec

DECORATIVE PANELS LAMINATION SHOWCASING THE LATEST IN SURFACE DESIGN

Leading manufacturers of laminated panels Decorative Panels Lamination is pleased to announce that it will be exhibiting at the Surface & Materials Show on Stand M530 as part of UK Construction Week, taking place at the Birmingham NEC on 8th - 10th October 2019.

Producing over 300,000m² of the highest quality laminated products each week, dp-lamination will be showcasing brand new designs added to their dp-limitless range, as well as highlights from across the dp-décor and dp-specialist collections.

The dp-decor and dp-specialist range of surface products is enormous, comprising woodgrains and solid colours in standard papers, high gloss and matt acrylics, PVCs and PPs- many of which are available as stock items.

The dp-limitless range offers exactly what the brand says, a limitless number of surface finishes bonded to the substrate of choice, available in quantities as low as one sheet. Ranges include HPL, Acrylic gloss and matt, faux-leather, real stone and real wood veneer.

Michael Sawyer, Managing Director of Decorative Panels Lamination, commented: "The Surface & Materials Show always presents a fantastic opportunity for us to engage with our key audiences. The show is a great place to build new relationships, increase our customer base and to get honest feedback on our ranges".

Surface and Materials draws in thousands of architects, interior designers, fit-out contractors, specifiers and design industry

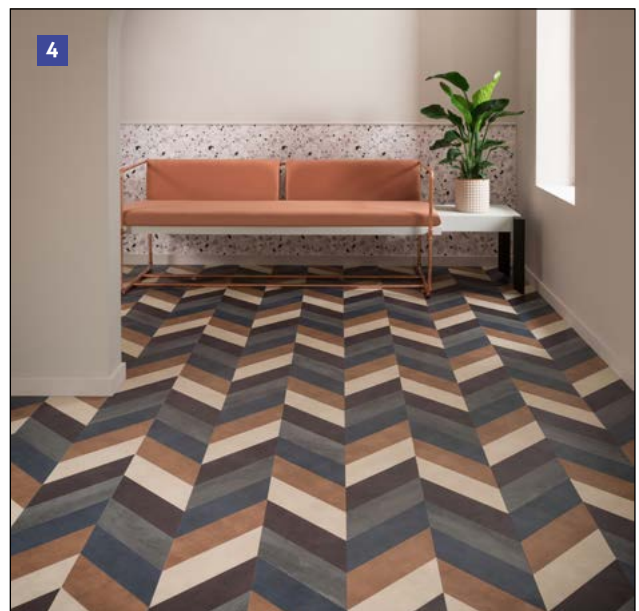
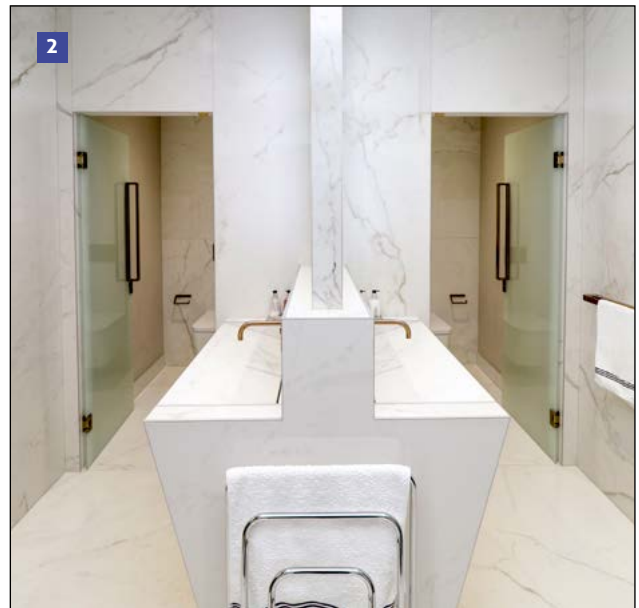


Courtesy of REHAU

professionals looking for the latest trends and innovations in the built environment. The show has an exclusive array of new product launches and creative ideas to inspire designers and specifiers from all parts of the interiors and architectural industry.

UK Construction Week (UKCW) is FREE to attend and consists of multiple sections: Build, Building Tech, Civils, Energy & HVAC, Surface & Materials and Timber running from 8-10 October and newly launched Concrete Expo (8-9 Oct only) and Grand Designs Live (9-10 Oct only).

For more information or to book an appointment with a member of the Decorative Panels team, please visit www.decorativepanels.co.uk or call 01484 658341.



1

DEVIMAT WARMS REDEVELOPED NEO-GEORGIAN BUILDINGS

Appointed by our client to design, supply and install the underfloor heating, this project was a high-quality residential redevelopment of a neo-Georgian building located adjacent to Tobacco Dock in Wapping. With transport links to both the City and Canary Wharf the location is ideal for city workers.

The existing building forms a quadrangle around a central courtyard, which has gone through a change of use from underused offices to 124 high quality apartments. Extensive refurbishment work was required as part of the change including structural alterations, floor infills and major reconfiguration of load bearing walls. Now under the brand of 'Tobacco Dock' the area is a sustainable, lively, mixed-use neighbourhood made up of leisure, residential, retail and commercial developments.

01359 242 400 | www.gaia.co.uk

2

BEAUTIFUL NEW WASHROOMS AT ABACUS HQ

Abacus Bathrooms has transformed the female bathrooms at the company's Harrogate HQ; showcasing a stunning portfolio of products.

The wall hung WC complements bespoke White Marble Elements basins which feature the innovative Infinity Tray drain. The elegant White Gloss Marble Trex3 tiles open up the space by reflecting the natural light. Features include the Trend 2 designer press panel and wall mounted taps – all in brushed bronze. Recessed storage units with LED lighting also offer extra space for luxurious items, such as diffusers, turning the bathroom into a deluxe space.

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

3

ESSE'S NEW ELECTRIC RANGE COOKER CAN BE INSTALLED PRETTY MUCH ANYWHERE

ESSE's innovative new 990 ELX incorporates three ovens, a three-zone induction hob and a large rectangular steel hotplate and can be installed in any kitchen with a double plug socket – including as a free-standing 'island' unit.

The ELX will boil, braise, simmer, roast, fry, griddle and sear simultaneously and the all-new 'weightless' hotplate covers incorporate innovative recessed hinges to maximise usable hob space.

In day-to-day use, the fully programmable ELX offers the ultimate in energy efficiency and control and is available in a choice of 20 beautiful colours – including contemporary matt finishes.

ESSE Engineering Limited, Ouzledale Foundry, Long Ing, Barnoldswick, Lancs. BB18 6BJ 01282 813235 www.esse.com

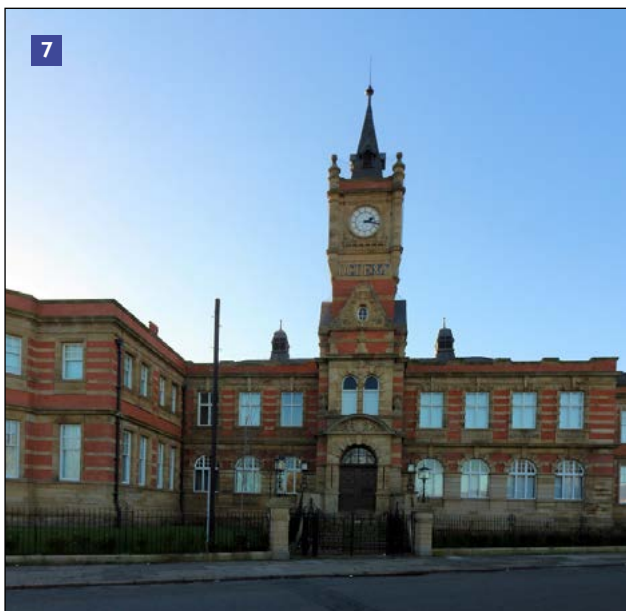
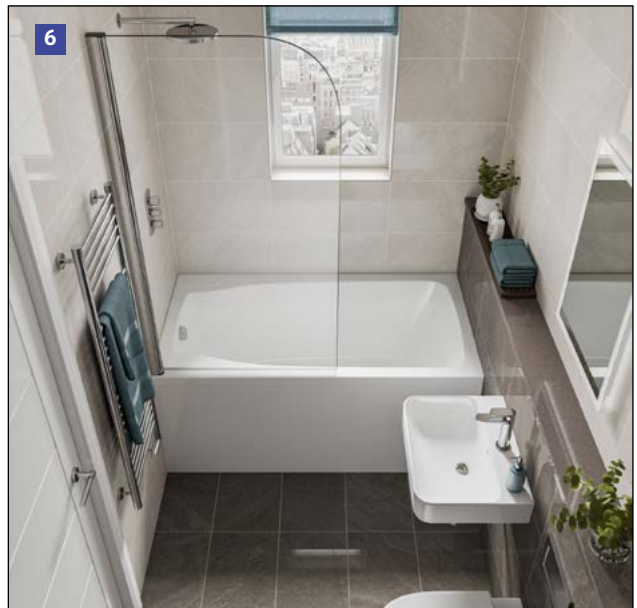
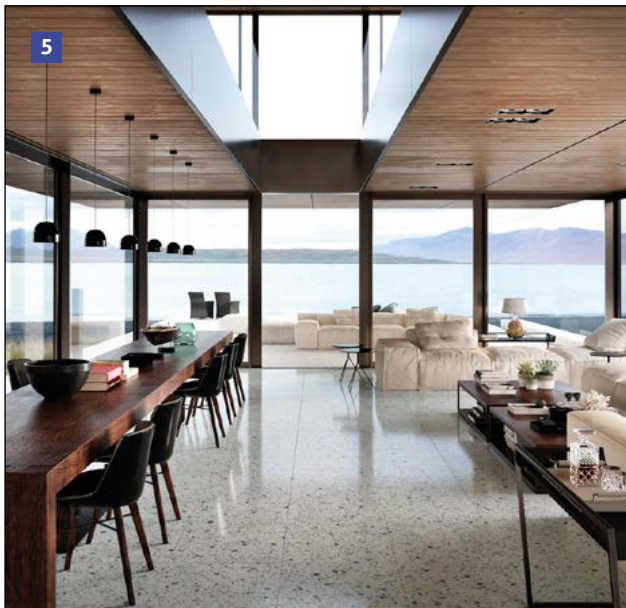
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AMTICO FLOORING

Amtico has expanded its flagship Signature collection of Luxury Vinyl Tiles (LVT) with the addition of 54 new products. The collection now consists of 92 Woods, 74 Stones and 51 Abstracts that have been carefully divided into complementing colour palettes.

The expanded Signature range has been launched alongside Signature 36+, an enhanced slip-resistant version of the LVT that is infused with antimicrobial protection. With a 1mm wear layer, Signature and Signature 36+ products boast the thickest wear layer of any LVT on the market. The collections carry a 20-year commercial warranty and an A+ BREEAM accreditation. Furthermore, the Signature and Signature 36+ tiles can be teamed with an acoustic backing layer to minimise noise transference.

0121 745 0800
info@amtico.com
www.amtico.com/commercial



5

THE LATEST TERRAZZO TILE COLLECTION FROM CTD ARCHITECTURAL

New for 2019, CTD Architectural Tiles introduces Venice Villa into its growing portfolio of terrazzo-effect tiles. Having made a major comeback into interiors last year, terrazzo is fast becoming one of the most popular choices for designers and specifiers in a wide variety of residential, commercial and hospitality projects. First made popular in Italy in the 1970s, the terrazzo look originates from using left over marble chippings into cement as a way to use excess product. A reinterpretation of this famous look, the Venice Villa collection is an exquisite contemporary twist on the traditional terrazzo trend, combining the appearance of crushed marble fragments with the excellent properties of fully body porcelain stoneware.

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

6

CABUCHON LAUNCHES THE SPACE-SAVING STUDIO COMPACT BUILT-IN BATH

British bath manufacturer Cabuchon has launched its new Studio bath, the latest addition to its range of baths which can be built into the fabric of a bathroom. A space-saving tub, it is designed for modern en-suites and bathrooms where space is at a premium. Measuring 1522mm x 837mm (5ft x 33"), the Studio has a noticeably smaller footprint than conventionally designed baths. Despite its reduced length, the Studio is built for comfort. This is because it takes some of its design cues from Cabuchon's deep soaking tub range. In particular, it substitutes depth for length. At 505mm (19¾") deep, it enables bathers to adopt a more upright, semi-seated posture. This alleviates strain on the shoulders and neck, while the extra depth of water helps to create a feeling of weightlessness.

www.cabuchon.com
 01524 66022.

7

ENVIROVENT MHVR UNITS CHOSEN FOR HISTORIC LIVERPOOL BUILDING

Residents living in the recently developed 'Ogden's Tobacco' building in Everton, Merseyside are benefitting from MVHR (Mechanical Ventilation with Heat Recovery) units from ventilation manufacturer EnviroVent that provide good indoor air quality and protect the fabric of the building by controlling condensation. The historic Grade II listed building has been converted into 19 apartments by social housing provider Liverpool Mutual Homes. energiSava 250 units were installed to ensure there is a supply of fresh, clean air and eradicate issues with condensation and mould growth.

For more information visit the website www.envirovent.com or to find out more about EnviroVent's CPD seminars call 0345 27 27 810. For specific newbuild projects for Social Housing, please contact Keith Walton kw Walton@envirovent.com

8

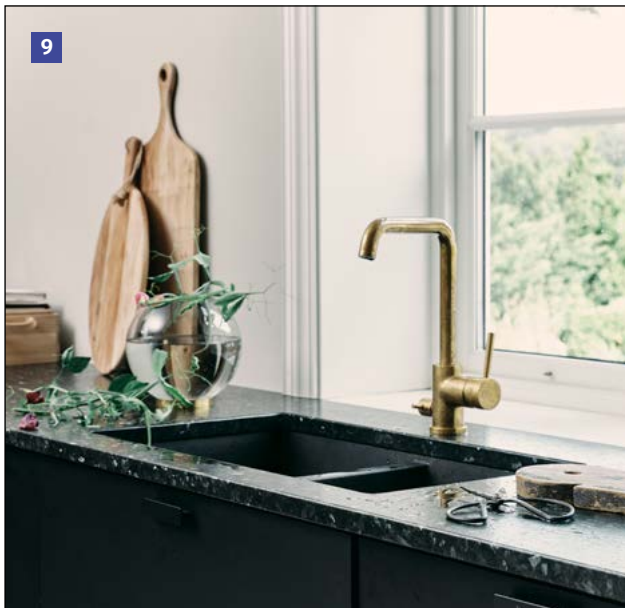
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For more information and advice please contact J&P Building Systems Ltd.

www.jp-uk.com



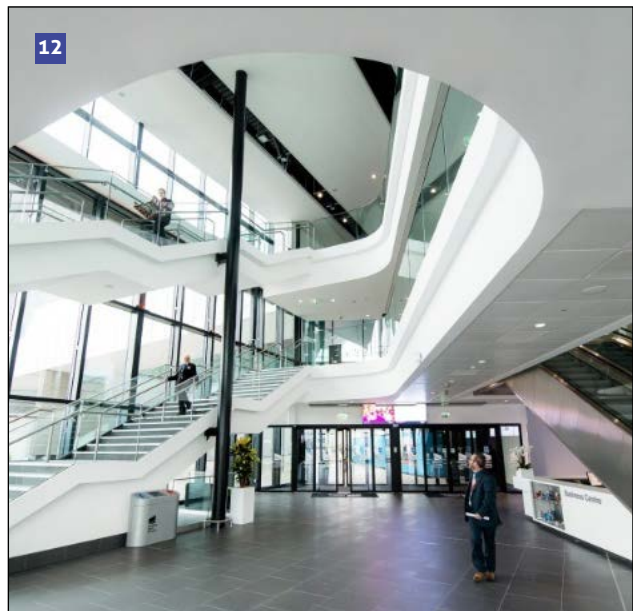
9



10



11



12

9 LUNDHS REAL STONE® NORWAY'S FINEST NATURAL STONE

Combining unrivalled workmanship, centuries of knowledge and the world's strongest and unique natural materials, Lundhs has cemented its reputation over centuries as a leading provider of 100% real stone, supplying exceptional Larvikite and Anorthosite natural stone to the commercial, residential and specification market across the globe.

The largest producer of natural stone in Northern Europe, Lundhs extracts rough blocks of high quality stones from its own quarries in Norway and exports the materials to stone factories around the world. With a portfolio of ten natural stone types, Lundhs works with a select network of distributors around the globe, with each product traceable from quarry to end product.

www.lundhsrealstone.com/uk

10 ALUCOBOND® DESIGN – EXPANDING DESIGN FREEDOM

ALUCOBOND® design is a stunning range of surface finishes, applied using a precision high-quality varnishing process developed by 3A Composites. It has been developed specifically for use on ALUCOBOND® composite aluminium panels, making it possible to achieve individual décors with enormous depth and visual impact. The process can also be applied to relatively small quantities, allowing individual construction features, such as atriums, balconies and entrances to be accentuated, as well as entire building façades. ALUCOBOND® design is also durable, having no impact on the performance of the panel, with it retaining its finish through the lifecycle of the building. A number of new surfaces have been added to ALUCOBOND® design further expanding the ability to create a truly individual bespoke finish.

alucobond.com/

11 MODUSAT® FUSION UTILITY CUPBOARDS SCORE BIG ON EFFICIENCY AND COST SAVINGS

With demand for housing in the UK greater than ever and an increase in the use of communal heating systems for apartments, many developers are choosing to install prefabricated MEP utility cupboards, which require less time on site for installation, use less space in the apartment, provide the opportunity to reduce cost and risk and enable them to deliver projects ahead of time. Responding to this demand, Evinox Energy are thrilled to announce the launch of ModuSat® FUSION, the 'perfect fit' prefabricated utility cupboard for communal and district heat network developments. Cupboards are supplied fully fitted, pre-tested and ready to install on-site, complete with Heat Interface Unit (HIU), Cooling Interface Unit (CIU) (Optional), Mechanical Ventilation and Heat Recovery unit (MVHR) and all associated piping and electricals.

www.evinoxenergy.co.uk

12 STAND ALONE TO ACHIEVE OPTIMUM CONTROL OVER INTERNAL SPACES AND BALANCE CLIMATE CHANGE

How do you balance the need to prevent wasted energy, and ensure occupants are comfortable, without having to spend money and time connecting ventilation to building management systems?

Gilberts Blackpool, the UK's leading air movement specialist, has the answer: thermal control. The technique means the ventilation inlet- the swirl diffuser- is a stand-alone solution, that adjusts airflow depending on the internal air temperature.

It cleverly provides rapid entrainment and mixing harnessing physics principles to achieve a constant comfortable internal environment, whether warming or cooling is required.

www.gilbertsblackpool.com



13



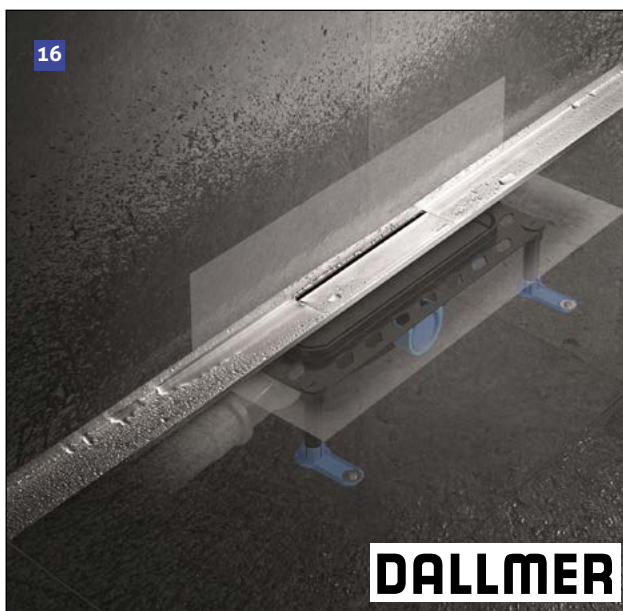
14



15

Herschel Summit, zero light heater, suspended from ceiling and providing zoned heating for a cafe in Belgium.

HERSCHEL
infrared heaters



16

DALLMER

13

SWA MEMBER'S SUPPLY AND FIT SUCCESS ON LEICESTER REDEVELOPMENT

The redevelopment of a former industrial building in Leicester involved a Midlands-based Steel Window Association member, Monk Metal Windows, who provided a supply, fit and glaze package for the main contractor, while coordinating closely with other trade sub-contractors and the architectural consultant, Gordon White & Hood (GWH) Architects.

14 Deacon Street in Leicester has been converted into high specification student accommodation with Monk Metal Windows being awarded the £200K contract under competitive tender.

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

14

THE QUIETEST MEMBER OF THE NORBORD FAMILY

What is the best sound-reducing floorboard range on the market? CaberAcoustic from Norbord and is a highly versatile and economical sound-reducing flooring solution. Reducing both impact and airborne transmitted sounds, it can be laid over concrete and timber floors in both new and existing buildings. CaberAcoustic comes in 28mm and 32mm thicknesses.

How is the flooring fixed? CaberAcoustic is recommended to be laid and fitted with CaberFix T&G PVA glue.

Are any other co-products needed? CaberFloor P5, CaberDek or CaberShieldPlus should be used in conjunction with CaberAcoustic in new build projects. For renovations, CaberAcoustic can be used on top of the existing floor.

For further information, call 01786 812 921 or visit www.norbord.co.uk

15

HERSCHEL INFRARED: THE FUTURE OF HEATING - TODAY

Electric heating is a hot topic. With zero emissions targeted globally, the transition towards sustainable buildings is a priority for all. Efficient, low energy electric heating, powered by 100% clean and renewable energy, offers a fast solution for lowering energy consumption and delivering zero emissions. Step in Herschel - providing affordable radiant heating solutions for all commercial buildings and homes. With the widest range of designer and discreet infrared heaters available Herschel Infrared heaters provide a simple to install, highly controllable, low maintenance solution that is EcoDesign (Lot 20) compliant. Herschel Infrared is already the most appropriate heating solution in many applications and works well alongside MVHR. With forthcoming changes to SAP10 infrared heating will become an even more attractive proposition.

Herschel-infrared.co.uk

16

THE DALLFLEX FAMILY BY DALLMER CREATES NEW OPPORTUNITIES

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

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

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



17

CAVITY WALL WEEPS HIDDEN ADVANTAGES

Cavity Trays of Yeovil manufactures a range of discreet Caviweeps that are barely visible once installed.

Unlike open-fronted weeps, the translucent Beak Caviweep has a protected outlet, guarding against wind-driven rain entering and blowing-back into the cavity wall. Hardly visible once installed, the protective Beak Weep can be used to advantage on exposed elevations.

Another discreet weep is the Small Adjustable Caviweep. This can be opened and closed like a telescope, making it compatible with a wide range of skin thicknesses. It also has small louvres to guard against the ingress of wind-driven rain and insects, as identified in the NHBC Guidance and Good Practice (Tech Extra 17)

Cavity Trays of Yeovil 01935 474769
www.cavitytrays.com
enquiries@cavitytrays.co.uk

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TUDOR SET TO OPEN NEW DOORS AT 100% DESIGN

The Tudor Door Company will be showcasing its extensive range of internal doors at the 100% design show, the UK's largest and longest-running design trade event. This is the second time Tudor has exhibited at the show, which celebrates British and global design.

The London-based company, which works with clients across the residential and commercial sectors, will be displaying a variety of product ranges and finishes, spanning from veneered doors and tough laminates through to high-specification doorsets supplied complete with matching frames and architraves.

To mark Tudor's appearance at the show, visitors will also be offered a discount on select products

Visitors can meet the Tudor Door team on stand number: F16D
www.tudor-door.co.uk

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BALCON™

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

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

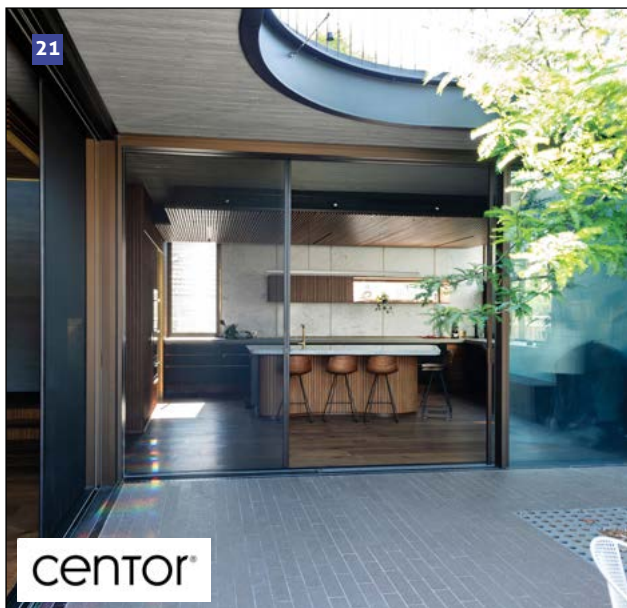
www.jp-uk.com

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OSMO UK SPRAYS THE WAY TO HARDWEARING AND DURABLE PROTECTION

Osmo UK, the eco-friendly wood and finishes expert, has expanded its Spray-Wax range with the introduction of a new 3010 Natural option. Developed with professional users in mind, Spray-Wax provides a durable, low maintenance and hardwearing surface for all interior wood, including those in wet rooms. Osmo UK Spray-Wax is based on the original Polyx-Oil finish. Producing a resistance to water and dirt, the product is hardwearing and smoothens the chosen surface. In comparison to conventional finishes, the natural vegetable oils and waxes allow for an even colouring and a harmonic, smooth surface result. The finish does not crack, flake, peel or blister guaranteeing an overall pleasing finish.

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



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SUPER-SLEEK SCREENS AND SHADING FROM CENTOR

With more wide-span doors being specified on domestic projects than ever before, UK homeowners need a screening solution to keep pesky insects outdoors and shade living spaces from the sun. Centor screens and shades are the perfect option for any home. They are suitable for widespan bi-folding and sliding doors, as well as French doors and windows. The retractable screens are unobtrusive and remain hidden from view when not in use, so that homeowners can enjoy minimalist design in their home. They offer easy operation with unique load-bearing technology for a smooth glide and are available for openings up to 9.2 metres wide and 3.2 metres high. The Centor S4 Screen and Shade System was recently named 'Best of the Best' in the Red Dot Awards 2019. Centor's Integrated Doors feature built-in screens and shades as standard as well as concealed hardware for a super-sleek finish for any home.

www.centor.com/uk

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HAPPY 20TH ANNIVERSARY JS AIR CURTAINS

Having been founded in 1999, JS Air Curtains is celebrating two decades of preventing doorway draughts across the UK. The West Sussex based air curtain specialist is still located at its original head office in Rustington, but has grown from having around 90 units in its catalogue to offering over 450 air curtains.

Commenting on the anniversary, JS Air Curtains' UK sales manager, Kerry Jones, said, "The Company's successful growth over the last 20 years has largely been due to offering a comprehensive range of air curtain styles, supported by friendly expert advice at very competitive prices." JS Air Curtains, the UK's leading air curtain specialist, supplies an extensive range of air curtains for all commercial and industrial applications. You can find out more by visiting the company's website at www.jsaircurtains.com.

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GOOD VIBRATIONS IN THE OFFICE

Wiesner-Hager develops ranges with emotional appeal promoting efficient working within stimulating and energising environments. etio dual workspace combines two table tops with one distinctive A-shaped aluminium frame which is an economic and efficient workspace solution – perfect for application in areas where New Work concepts (thinknewwork.com) are prevalent. poi (Red Dot Design Winner 2013 & FX Design Winner 2014) represents a new generation of swivel chairs with the perfect combination of aesthetics, comfort and well-engineered ergonomics making it both unique and versatile. cage is the office cabinet system which impresses with its modern design language and authentic blend of materials, cage gives designers and architects plenty of scope to create the look they want for storage spaces and zoning.

Telephone: +44 (020) 7490 3627
Email: London@wiesner-hager.com
Website: www.wiesner-hager.com

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LUNAR-INSPIRED LAMINATE CELEBRATES 50TH ANNIVERSARY OF MOON LANDING

To coincide with the 50th anniversary of the moon landing, Formica Group has partnered with renowned artist Matthew Day Jackson to create a unique laminate design replicating the surface of the moon.

The bespoke laminate designed by Jackson complements the Formica® Collection and showcases the possibilities opened up by Formica Group's ongoing series of designer collaborations, which has previously included Okuda San Miguel and Nina Mur. Named MDJ Kuu ('kuu' is Finnish for 'moon') the laminate texture replicates, to scale, the surface of the dark side of the moon.

The textured laminate at 80 microns in depth is a scale representation of the surface of the far side of the moon.

www.formica.com

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THE ARCHITECT'S CHOICE

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

www.robeys.co.uk



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