







ARCHETECH

Turning Dreams into Reality

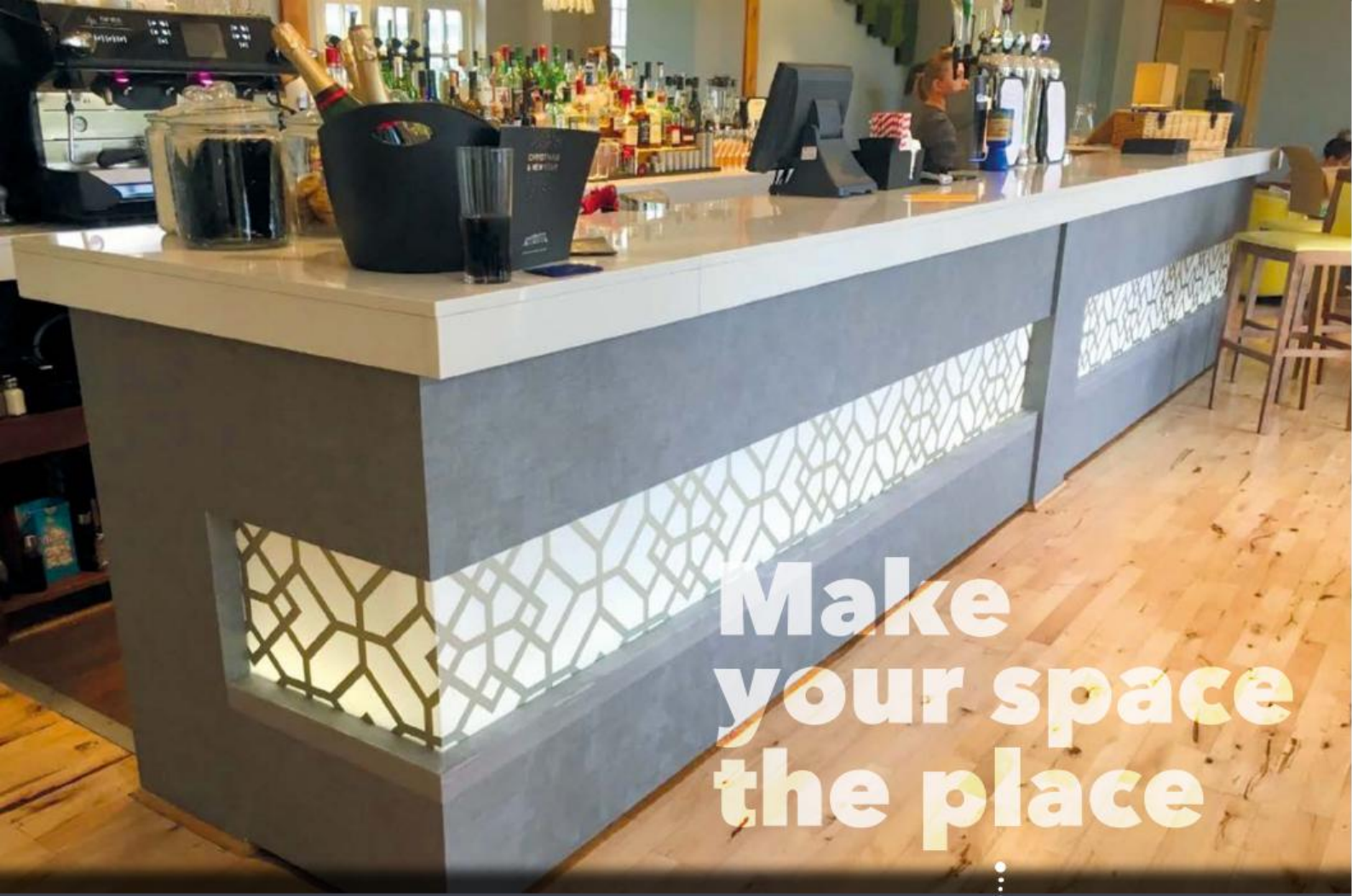
Issue 46 £4.99











ROOMS BROUGHT TO LIFE

Benif™ interior film

Commercial use for walls, decorative panels, doors, architrave and furniture. Benif™ is a range of self-adhesive interior films which will bring any room to life.

Call: +44 (0)1376 518037

LG Hausys

davidclouting.co.uk

ARCHETECH

Turning Dreams into Reality










Main Features

Architect @ Work Show Preview 9 - 19
KBB Show Preview 24 - 27
Bathrooms & Kitchens 28 - 34
Coatings 35
Computing & Software 38 - 39
Doors, Windows & Fittings 40 - 50
Drainage & Plumbing 52
Floors & Flooring 53
Futurebuild Show Preview 54 - 57
Heating, Ventilation & Insulation 60 - 66
Interiors & Interior Design 67 - 69
Landscaping & External Works 72 - 76
Lighting & Electrical 77 - 79
Roofing, Cladding & Facades 81 - 85
Safety, Security & Fire Protection 86 - 87
Surface Design Show Preview 88 - 91
Editors Choice 98 - 105
Editorial Highlight 108 - 113

Case Studies/Trade Shows

THANK YOU MR TAILLIBERT - 6

From his first child drawings to his architectural plans, Roger Taillibert has plunged into free creativity. His assiduous practice of painting, long hidden, unknown to the public, astonishes by the contrasts of colors and the control of the subjects.

MANCHESTER METROPOLITAN UNIVERSITY - 14

The Meetings Industry Association (mia) has awarded AIM Gold accreditation to the conference and events venues at Manchester Metropolitan University.

BRICK AWARDS 2019 - 20

2019 Winners

KBB BIRMINGHAM - 24

kbb Birmingham, Europe's largest dedicated kitchens, bedrooms and bathrooms exhibition returns for 2020. Taking place at the NEC from 1-4 March, the show will feature over 400 exhibitors along with showcasing the latest products and innovations.

CANNONDESIGN - 36

The result of a dynamic partnership between the YMCA of Hamilton | Burlington | Brantford and Wilfrid Laurier University, the Laurier Brantford YMCA revitalizes the City of Brantford as a hub for community health, recreation and wellness.

ADAMS+COLLINGWOOD - 42

Eaton House The Manor School was a challenging but inspirational project for the Adams+Collingwood Architects team. The Clapham school needed to increase its teaching space while also furthering its ambition to become the greenest school in London.

FUTUREBUILD 2020 - 54

Recent climate change demonstrations and government declarations make one thing clear, we need to come together to take action against the climate change challenges we are facing. Against this backdrop, Futurebuild 2020, held from 03-05 March at ExCeL London will inspire industry professionals to come together, be the catalyst for change that's needed and deliver a more sustainable built environment.

PSBA - 74

The canoeing base in Augustów was established in 2019 as the implementation of the winning concept of the architectural competition settled in 2016.









Ultra-discreet loudspeakers for any location

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



Lifetime Warranty

monitoraudio.com/install

MONITOR AUDIO

Editor in Chief
Antony Holter - 0203 911 4067
antony@archetech-media.co.uk

Editor
Isabelle Hart - 0203 911 4067
isabelle@archetechmag.co.uk

Sales Director
Steve Hawkins - 0203 907 9165
steve@archetech-media.co.uk

Sales Manager
Lauren Pettman - 0203 907 9166
lauren@archetech-media.co.uk

Digital Manager
Jamie Bullock - 01227 936971
jamie@archetech-media.co.uk

Editorial Assistant
Meg Parker - 0203 911 4067
meg@archetech-media.co.uk

Business Manager
Josh Holmes - 0203 911 4067
josh@archetech-media.co.uk

Publishing Director
Martin Holmes - 0203 911 4067
martin@archetechmag.co.uk

Accounts
Lauren Davis - 0203 911 4067
lauren@archetechmag.co.uk

Studio Designer
Richard Bland
richard@archetech-media.co.uk

ARCHETECH

Turning Dreams into Reality

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

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

With sharp editorial content, a cutting-edge design approach and informative written style, our advertisers and readers alike can take confidence in our experience and ability in matching your product to the needs of the marketplace.

Archetech Media Ltd
Tel: 020 3911 4067
www.archetech.org.uk
info@archetechmag.co.uk

Every effort is made to ensure the accuracy and reliability of material published in Archetech Magazine, however, the publishers accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. No part of the publication may be reproduced or transmitted in any form or by any means, mechanical, electronic (including printing), recording or stored in any information retrieval system without the express prior written consent of the publisher.

SUBSCRIBE NOW

Digital Edition

SUBSCRIBE TO OUR ONLINE ISSUES FREE OF CHARGE

- Accessible anytime and anywhere on most electronic devices
- Receive the magazine by email as soon as each issue is released
- All issues are stored in an archive, so you can look back across every edition
- Now available on 3 major digital platforms: ISSUU, Joomag and Readly



Printed Edition

- Free of charge for qualifying trade professionals
- Paid subscriptions are available, for non qualifying trade professionals

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



THANK YOU MR TAILLIBERT: VOLUMES AND LIGHT

ACDF ARCHITECTURE

Roger Taillibert is an architect. He has spent most of his career building emblematic buildings, marked by his unconventionality and a deep sense of innovation. Constantly in the spotlight, Taillibert realizes buildings with flexible forms and intended, certainly, to meet the needs of users, but above all, to create strong emotions. For him, architecture must provoke emotion, "A necessity for the human being". Because of the innovative nature of the projects he proposes, Roger Taillibert turns out to be a well-publicized, prominent figure. Behind the scenes of his architectural practice, sheltered from external looks, constraints and criticisms, Taillibert escapes into the study of movements, colors and landscapes that he fixes, this time, on paintings.

From his first child drawings to his architectural plans, Roger Taillibert has plunged into free creativity. His assiduous practice of painting, long hidden, unknown to the public, astonishes by the contrasts of colors and the control of the subjects.

The predominantly abstract iconography of his paintings, which sometimes reveals an emergent and assumed figuration, offers themes of predilection: architecture, sport and nature. These three axes of creation become the fundamental pillars of a man who has dedicated his life to erecting comfortable and unifying habitats for his contemporaries.

An outstanding colorist, the artist invites us into his universe where volumes and light bear witness to a rich experience of experience and research on form. Resolutely modern, not to say avant-garde, the architectural and painted work of Roger Taillibert invites to respect and meditation. The musicality, the rhythm, the depth and the light that emanate from his paintings are imbued with a mysticism by the excessiveness of their formats. Sometimes fragments or parcels of a continent, the work of Roger Taillibert is and will remain timeless, because it is universal in its visual and visual language.

The narrativity in his creations is suitable for the viewer who accepts the proposal that recalls what Marcel Proust says of literature: "In reality, each reader is, when he reads, the own reader of himself. The work of a writer is only a kind of optical instrument which he offers to the reader in order to allow him to discern what without the book he might not have seen in himself. To abandon oneself in the profusion of Roger Taillibert's excessively rich work of sense and sensations was also, in his greatest sense, the humanism of a great man who incarnates and renews himself at the same time daily, and where he invites us.









FROM HIS FIRST CHILD DRAWINGS TO HIS ARCHITECTURAL PLANS, ROGER TAILLIBERT HAS PLUNGED INTO FREE CREATIVITY.



> THE MUSICALITY, THE RHYTHM, THE DEPTH AND THE LIGHT THAT EMANATE FROM HIS PAINTINGS ARE IMBUED WITH A MYSTICISM BY THE EXCESSIVENESS OF THEIR FORMATS.

BIOGRAPHY OF ROGER TAILLIBERT

Born in 1926 in Châtres-sur-Cher, Roger Taillibert, a member of the Institut de France, built factories - Daf factory in Survilliers 1967, Coca Cola factory in Grigny 1987 -, hospitals - Mende 1970, Saint Afrique 1978 - as well as resorts - Montfleury in Cannes 1976. He was also very interested in the architecture of the educational function. We owe him the high school sports Font-Romeu - 1967 -, the faculty of pharmacy Toulouse - 1980 - and the Technical High School Tours - 1988. It is in the field of sports equipment that Roger Taillibert acquires an international audience. In 1966, for the indoor pool of Deauville, he designed an original structure composed of low concrete vaults. The space developed by the vaults and the zenithal lighting are of an exceptional quality. In 1967,he built the Carnot swimming pool in Paris with a retractable roof. On this occasion, he realizes the first large foldable membranes in the world - 2000m2.

In 1972, he built the new Parc des Princes in Paris. The latter is distinguished by a cantilever cover covering all the stands - 50 000 seats - and leaving the lawn in the open air. In 1975, he signed the design of the cultural and sports center of Chamonix and, in 1976, the Olympic center of Lille-Est. It was also in 1976 that Montréal hosted the summer Olympic Games, designed by Roger Taillibert: a stadium with a capacity of 70,000 spectators surmounted by an oblique mast and a velodrome adjacent to the previous one. At the base of the mast is the swimming center with mobile roof, containing three basins.



Among his many other works are the Yamoussoukro Golf Club - Ivory Coast - 1983 -, the International Sports Center in Luxembourg - 1983 -, the National Geographic Institute of Jordan and the Middle East in Amman - 1984 - and the "Les Pyramides" sports complex in Port-Marly, Ile-de-France - 1987.

acdf.ca/en

ARCHITECT @WORK
LONDON

Old Truman Brewery
Levels G1 & T1
29-30 January 2020



EXCLUSIVE TRADE EVENT FOR ARCHITECTS AND INTERIOR DESIGNERS

with over 200 innovative products and services showcased by manufacturers and distributors

All exhibitors go through a strict selection process with an external judging panel, ensuring the presence of high caliber innovations.

NETWORKING

in an original and creative atmosphere

FOCUS ON SENSORY DESIGN I ACTING NATURAL

< Seminars by high profile architects
Full programme available online
< Materials curation by MaterialDriven
< Photo wall selected by world-architects
< RIBA pop-up Bookshop
< Art

FREE CATERING

REGISTER ONLINE FOR FREE ENTRANCE USING CODE 1350

@ATW_INTL #ATWUK
@architect_at_work #ATWUK
WWW.ARCHITECT-AT-WORK.CO.UK

DESIGN & PLAN by C4 © CREATIVE4

BELGIUM
THE NETHERLANDS
LUXEMBOURG
FRANCE
UNITED KINGDOM
GERMANY
AUSTRIA
SWITZERLAND
ITALY
SPAIN
DENMARK
SWEDEN
NORWAY
TURKEY
CANADA



MAPEI'S HIGH-DEMAND TRAINING DATES REVEALED FOR 2020

Mapei has unveiled its extensive list of training dates for 2020, as part of plans to continually utilise its impressive training facility based in Halesowen, West Midlands. Following a successful first year of training courses at the facility situated at Mapei Academy, a total of 51 days have been dedicated to training, covering Ceramic Tiling, Resilient Flooring, EWI, Resin, Ultratop Loft, Concrete Repair and Basement Structural Waterproofing.



There will be 12 dates dedicated for each of the Ceramic Tiling and Resilient Flooring training courses, 6 dates for both EWI and Resin Flooring, and 5 dates each for Ultratop Loft, Concrete Repair, and Basement Structural Waterproofing. A team made up of Chris Myatt, Adrian Jennings, Neal Perryman, Adrian Jones and Jeremy Mann, as well as relevant product line experts, will be on hand to provide information and expertise at each tailored training course.



Bookings from distributors, contractors, designers and engineers are welcomed, and can be tailored to specific needs and requirements. All training delegates will receive presentation notes, refreshments, a buffet lunch, a factory tour and Mapei goodies.

The dates are as follows:

Ceramic: January 7, February 4, March 3, April 7, May 5, June 2, July 7, August 4, September 8, October 6, November 3, December 1

Resilient: January 9, February 6, March 5, April 9, May 7, June 4, July 9, August 6, September 10, October 8, November 5, December 3

EWI: January 23, March 26, May 28, July 30, September 24, November 26

Resin: February 25, April 28, June 30, July 28, September 29, November 24

Ultratop Loft: January 21, March 24, June 23, August 25, October 27

Concrete Repair: March 17, May 12, July 2, September 15, November 10

Basement Structural Waterproofing: February 27, April 2, June 11, September 17, November 19

To book your place on one of Mapei's coveted training courses, email ukmarketing@mapei.co.uk or call 0121 508 6970

ULTRATOP LOFT

THE HIGHLY DECORATIVE CEMENTITIOUS FLOOR AND WALL COVERING FROM MAPEI



0121 508 6970 | mapei.co.uk

MAPEI

ADHESIVES · SEALANTS · CHEMICAL PRODUCTS FOR BUILDING



ARCHITECT@WORK
LONDON 2020

: 29TH & 30TH JANUARY AT THE OLD TRUMAN BREWERY



An impressive list of industry experts from architecture, development and the arts are set to share their knowledge at ARCHITECT@WORK, 29th to 30th January. This two-day trade show with a focus on architectural innovation will take place at The Old Truman Brewery in Shoreditch. It includes free admission for registered trade visitors and complimentary catering throughout, which encourages networking and downtime as well as deal-making opportunities.

Innovation is without a doubt key in the world of architecture and interior design. And that is exactly where ARCHITECT@WORK distinguishes itself in a unique way: all products showcased during the event have first been assessed and approved by a jury of architects and interior designers.
Carefully curated content in a unique, lounge-like atmosphere is what ARCHITECT@WORK offers you.

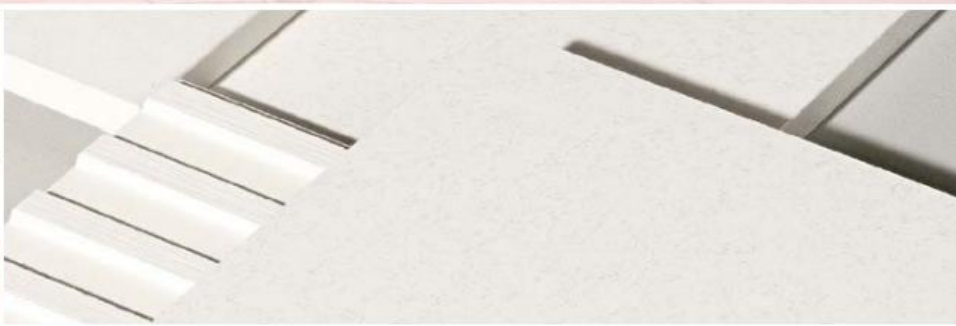
Take part in one of the talks / panel discussions with names such as Victor Orive (Zaha Hadid Architects), Mark Broom (ACME), Roland Karthaus (Matter Architecture), Matthew Holloway (Grimshaw), Biba Dow (Dow Jones Architects), Rory Harmer (Tate Harmer) and many more.

Register now to attend the event free of charge: www.registration.n200.com/survey/15mr3wjq1atbg?actioncode=1370

NEW QUARTZ WHITE







New EQUITONE [natura] Quartz White [N164]

The subtle white hue has been inspired by the soft colour palette of nature, while perfectly matching EQUITONE's authentic fibre cement shades.

- European Fire Classification A2-s1, d0
- 50+ years life expectancy
- Range of fixing options
- Suitable for new buildings and refurbishments

EQUITONE
Fibre cement facade materials

Request samples at equitone.com/en-gb/n164uk

etex



MANCHESTER METROPOLITAN **UNIVERSITY ACHIEVES AIM GOLD**

: MANCHESTER METROPOLITAN UNIVERSITY

The Meetings Industry Association (mia) has awarded AIM Gold accreditation to the conference and events venues at Manchester Metropolitan University.

Gold is the highest rating in the mia's AIM accreditation scheme, which audits venues and suppliers against a strict 50-point criteria, including quality of facilities, accessibility, legal compliance, customer service and best practice standards. Gaining gold from the UK's only nationally recognised standard for service providers in the business meetings, conferences and events industry, represents a significant achievement for venues.

Manchester Metropolitan University caters for a wide range of conferences and events in a range of buildings including The Business School, The Benzie Building and Geoffrey Manton Building. Its Birley site is suited for residential conferences, where its Brooks Building and eco townhouses have a VisitEngland 4-star campus accommodation rating.

> AIM ACCREDITATION AT THE HIGHEST LEVEL IS A SIGNIFICANT ACHIEVEMENT AS VENUES ARE THOROUGHLY ASSESSED AND MUST MEET STRICT CRITERIA.

mia assessors visiting the academic site, situated in the heart of Manchester, found 'clear evidence' it was maintaining high standards and noted the 'high quality of its provision to clients' as well as noting happy and helpful staff.

Three years ago, Manchester Metropolitan University received AIM Silver accreditation and has made further improvements to attain AIM Gold.

Jane Longhurst, chief executive of the mia, said: "Manchester Metropolitan University has excellent and accessible facilities which have been updated to a high standard in the last year. It has clearly exceeded the criteria required to receive AIM Gold accreditation and I would like to congratulate its conference team on achieving the accolade.

"AIM Accreditation at the highest level is a significant achievement as venues are thoroughly assessed and must meet strict criteria. Therefore, those choosing AIM Gold accredited venues can be assured of quality."

James Charnock, conference sales and marketing manager at Manchester Metropolitan University, said: "We are absolutely delighted to have achieved AIM Gold. We pride ourselves on our sustainable, innovative approach to conferences and events, and having that recognised by mia gives us a platform to introduce a wider audience to something we care passionately about. Thank you mia!"

www.mia-uk.org

CERAFLOOR
INDIVIDUAL

CeraFloor Individual is the elegant shower channel for flush-in-floor installation that boasts outstanding design and leading-edge technology. The shower channel comes in a length of 1500mm and can be shortened to suit the specific shower area. Used in combination with the DallFlex drain body, it houses a removable trap insert, making it easy to clean.

www.dallmer.de/en



KENNAWAY ESTATE GRANTED PLANNING CONSENT

WAUGH THISTLETON ARCHITECTS

Waugh Thistleton Architects' design for the Kennaway Estate was approved on Wednesday 6 November when councillors for the London Borough of Hackney voted in favour of Southern Housing Group's proposal to regenerate the estate.

The scheme will deliver 61 new homes, enhance the existing natural landscape and create designated pedestrian routes, play spaces, cycle storage facilities and other amenities. An exciting new workspace and much needed community centre will help ensure that the scheme benefits the whole neighbourhood.

The 12 existing homes at Taverner House will be replaced by 61 new homes of between one and four bedrooms, together with new landscaping that will enhance and reinforce pedestrian connections across the site. More than 50% of the new homes provided will be affordable, comprising a mix of tenures including social rent, Hackney living rent, shared ownership, and outright sale to help contribute to the area's vibrant community.

Waugh Thistleton Architects' design for the Kennaway Estate was approved on Wednesday 6 November when councillors for the London Borough of Hackney voted in favour of Southern Housing Group's proposal to regenerate the estate.

The scheme will deliver 61 new homes, enhance the existing natural landscape and create designated pedestrian routes, play spaces, cycle storage facilities and other amenities. An exciting new workspace and much needed community centre will help ensure that the scheme benefits the whole neighbourhood.

The 12 existing homes at Taverner House will be replaced by 61 new homes of between one and four bedrooms, together with new landscaping that will enhance and reinforce pedestrian connections across the site. More than 50% of the new homes provided will be affordable, comprising a mix of tenures including social rent, Hackney living rent, shared ownership, and outright sale to help contribute to the area's vibrant community.

In collaboration with Source Partnership, Southern Housing Group consulted extensively with estate residents and neighbours during the design development to ensure a sensitive and characterful building proposal. Southern Housing Group has also created a Residents' Charter that provides residents with assurances and security that protects their tenancy and offers them the right to return.

The proposed development is comprised of three distinct volumes linked by external walkways, and seven townhouses that echo the form and character of adjacent Victorian terraces. External materials and detailing take their inspiration from the immediate surroundings, ensuring that the building will sit comfortably within its context overlooking Clissold Park.

Kirsten Haggart, Senior Associate at Waugh Thistleton said: "We are delighted to be working with Southern Housing Group and local residents to deliver much needed new affordable homes in Hackney.





All homes are dual aspect, maximising daylight and natural ventilation, while the palette of robust materials ensures it will be a handsome new addition to the family of buildings on the Kennaway estate. The provision of a community room and workspace, together with comprehensive new landscaping, will also enhance the strong sense of community that already exists here."

Oliver Boundy, Southern Housing Group's Executive Director Development & Growth said: "From the outset, we promised to invest in the Kennaway Estate and to support the community it serves. Receiving planning consent means we can start working to create new, high-quality affordable homes in an area where these are in desperately short supply."

"As one of London's largest housing associations, we're proud of our social purpose. Building more genuinely affordable homes is a fundamental part of Southern Housing Group's Growth Strategy and corporate plan."

waughthistleton.com



Look who's arrived

29.01.2020

Schlüter® Systems

INTERNATIONAL DEMAND FOR UK ARCHITECTURE EXPERTISE SOARS:
RIBA PUBLISHES 2019 BUSINESS TRENDS REPORT

: The Royal Institute of British Architects (RIBA) published its annual summary of business trends in architecture and construction sectors on 3 December 2019. The RIBA's annual Business Benchmarking report tracks UK architects' turnover and salaries, and identifies global growth areas for the export of UK architecture expertise.

Drawn from data provided by RIBA's Chartered Practices, the Business Benchmarking Survey has been conducted since 2012, providing a record of trends over time.

This year's report shows a resilient architectural profession directly contributing £3.6 billion to the UK economy and flourishing overseas.

Key trends revealed in the 2019 RIBA Business Benchmarking report include:

revenues are up by 13% in the last 12 months, and have more than doubled cumulativelysince 2012

the overall value of international (non-UK) work has increased since 2018 by 22% to £625m

3 years after the UK's referendum on leaving the EU, the value of revenue from work in the EU is now the highest it has ever been, growing by 73% since 2015. The EU is the most important source of international work for small and medium-sized architecture practices

3 out of every 4 pounds earned from outside the UK goes to larger practices (100+ staff)

Asia is the most valuable source of work outside of the UK for Chartered Practices overall, accounting for 28%, and is the fastest growing source of international revenue, growing from £77 million to £177 million worth of work since 2015

work from projects in the Middle East has risen to £131 million, from £104 million last year

Since the survey in 2012, the number of RIBA Chartered Practices has increased from approximately 3000 to 3600, and revenue has more than doubled to £3.6 billion (from £1.6 billion).

RIBA CEO,Alan Vallance, said:
"The 2019 RIBA Business Benchmarking report illustrates unabated demand for UK architects internationally. Significant increases in work in Asia, the Middle East and Europe clearly indicate the value of British expertise, and the importance of further developing relationships in these growing markets. For practices relying solely on UK income, political uncertainty is a continuing worry. Whoever forms the next government must set out a comprehensive vision that enables the architecture profession to continue to thrive in the EU and beyond.

"As a global professional body, the RIBA sets standards and drives excellence in architecture all over the world. We assist architects, wherever they live or work, and are expanding our international network to be able to provide even more tailored support in important markets, including China and the Middle East."

RIBA HONORARY FELLOWSHIPS 2020 ANNOUNCED

The Royal Institute of British Architects (RIBA) has announced the 2020 RIBA Honorary Fellowships, which will be awarded to individuals from diverse backgrounds, including property, infrastructure, arts and architectural design.

Clockwise from top left: Pam Alexander OBE, Professor Yolande Barnes, Jude Kelly CBE, Sadie Morgan, Morag Myerscough

RIBA Honorary Fellowships are awarded annually to people who are not architects but have made a significant contribution to architecture. This includes individuals who have advanced its role in creating more sustainable communities; those involved in its promotion and management, and those who nurture the interests of future generations.

The 2020 RIBA Honorary Fellowships will be awarded to:

Pam Alexander OBE – Chair of Commonplace Digital Ltd, Ambassador on the London Mayor's Cultural Leadership Group and Board Member of the London Legacy Development Corporation and Connected Places Catapult

Professor Yolande Barnes - Professor of Real Estate and Chair at the Bartlett Real Estate Institute at UCL

Jude Kelly CBE – In 2018 Jude established The WOW Foundation, an independent charity dedicated to building the WOW movement as a force for positive change

Sadie Morgan – A founding director of the RIBA Stirling Prize winning architecture practice dRMM, Board Member at Homes England and Commissioner at the National Infrastructure Commission

Morag Myerscough – Founder of Studio Myerscough and of collective Supergrouplondon

The lifetime honour allows recipients to use the initials Hon FRIBA after their name.

The 2020 RIBA Honorary Fellowships will be presented at a special event at the RIBA in London in February 2020.



GIRA TO EXHIBIT AT ARCHITECT&WORK 2020

Gira, one of the world's leading full-range suppliers of intelligent system solutions for building management exhibit atARCHITECT@WORK, 2020: the exclusive trade event for architects and interior designers.

Ensuring the presence of only the highest calibre innovations, ARCHITECT@WORK 2020 is the 8th edition of this design oriented show. Offering Gira the opportunity to connect with leading Architects, Interior Designers, Shop fitters, Engineers, Urban Planners, Property Developers, Government agencies and final year architectural design students, the motivation behind next year's ARCHITECT@WORK is 'Sensory Design | Acting Natural: new ways in which architecture and the environment converge'.

Having undergone a strict exhibitor selection process, Gira, will pioneer 'Intelligent Building Technology' from Booth 13, demonstrating its high aptitude for product design, sustainability and longevity, as well as influence the built environment of tomorrow.

All products on display will be supported by Gira UK experts ready to discuss and guide stand visitors on product suitability, user benefits, technical specification and potential supply/distribution.



Mark Booth, Managing Director at Gira UK Ltd, comments "This is our third time at ARCHITECT@WORK and its unique exhibition layout definitely reflects our natural approach to business. We intend to take full advantage of the dedicated lounge-style exhibitor modules, and comfortably demonstrate how as a leading full-service provider of intelligent system solutions for electronic and interconnected digital building management, we can enrich any project with our technologies."

'Made in Germany', Gira products and solutions epitomise high quality manufacturing to produce reliable, safe and durable home automation, all with a timeless aesthetic. The numerous prestigious international awards received, like the "iF Award", "Red Dot Award" and "German Design Award", are testaments to the exceptional design quality of Gira where design and function come alive.

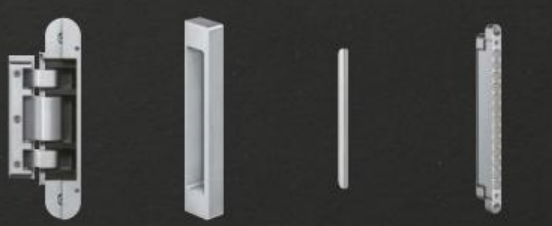
www.gira.com

SIMONSWERK
HINGE SYSTEMS

TECTUS® Glass
Minimalist hardware components for glass doors



TECTUS® Glass – Product overview



Find out more: **www.tectus-glass.com**



BRICK AWARDS **2019 WINNERS**

: BRICK AWARDS 2019

INDIVIDUAL HOUSING DEVELOPMENT

Kenwood Lee House – One of the core principles behind the design of Kenwood Lee House is harmony and homogeneity with the rich architectural heritage of the Highgate Conservation Area. Maintaining a fastidious attention to detail, the house is conceived as a contemporary interpretation of a double fronted suburban villa. Designed by Cousins & Cousins, the brick detailing pays homage to the prevalent arts & crafts movement in the surrounding area. The façade is made up of Bemmel Blue stock clay brick, manufactured by Wienerberger and chosen for its light textured appearance, the brickwork compliments yet contrasts with the traditional vernacular stock brick found in the area.

SMALL HOUSING DEVELOPMENT

The Interlock – The Interlock, designed by Bureau de Change Architects. An impressively intricate project, the façade consists of 5,000 bespoke Staffordshire Blue Clay bricks manufactured by Forterra. Embracing the street's piecemeal aesthetic, the design aims to challenge the definition of craftmanship in our contemporary setting. The bricks are the result of 14 moulds and a further 30 cut versions of the original moulds types totalling 44 different types of bricks. The bricks are arranged in a jigsaw way in which they respond to the window openings, the ground and top floor conditions, the corners and columns offering different arrangements for each condition, creating an entirely unique and varied façade.



MEDIUM HOUSING DEVELOPMENT

The Dorothy Garrod Building, Newnham College – The Dorothy Garrod Building, Newnham College, designed by Walters & Cohen Architects. Focussing on the value of using durable materials and on finding the right suppliers of products, the new building knits itself amongst the buildings already part of the college and creates a new frontage for the college from one entrance. The elegant design balances solidity and transparency, with glazing alternating with full-height brickwork panels where hit-and-miss element weaves seamlessly into the texture and detail of the elevation. The hit-and-miss brickwork compliments the existing buildings without mimicking them. A bespoke mixture of Northcot Plumstead and Lynham Red bricks were made to create Sidgwick Blend bricks for the project, all manufactured by Northcot Bricks.



LARGE HOUSING DEVELOPMENT

Porters Edge – Porters Edge, designed by Maccreanor Lavington and Stockwool. Located at Canada Water in Southwark, the development consists of over 1,000 new homes and a range of commercial and community buildings rising to eighteen-storeys. Contemporary in style and seamless in arrangement, the development includes a cinema, bars, restaurants, office space and a 100,000sq.ft. Decathlon store. There are four residential cores at a higher level, surrounding a landscape courtyard. BEEK brick, manufactured by Ibstock Brick, was used for this project.





URBAN REGENERATION

Raidió Fáilte / Líonra Uladh – Raidió Fáilte / Líonra Uladh, designed collaboratively by McGurk Architects and ArdMackel Architects. Located in a once tightly knit neighbourhood of West Belfast, this new build facility provides a unique community provision. In this case, 'community' is not defined as the local neighbourhood, but rather the Gaelic speaking community which extends across the province of Ulster and beyond. The project affirms a new physical presence directly onto the public space of the street. An entrance courtyard mediates the public entrance to the building, connecting the main café and exhibition space with the carpark and garden areas, creating a welcoming open for visitors. Voided brick and gold metal screens perforated with historic verses of poetry in Irish Celtic were integrated into the building's façade. Staffordshire Smooth Blue Perforated and Solid bricks, as well as Dragfaced Chamfered Blue Paver brick, manufactured by Wienerberger, were used on this development.



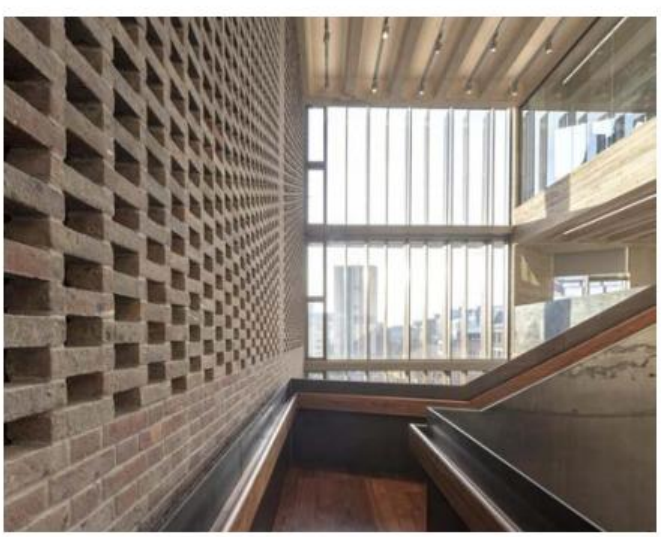
COMMERCIAL

The Ray Farringdon – The Ray Farringdon, designed by Allford Hall Monaghan Morris. This project consists of the replacement of an outdated building at the heart of Clerkenwell, respecting the area's traditional massing and materials whilst providing flexible space for office, retail and hospitality uses. The massing negotiates between the taller, more formal urban context of Farringdon Road and the more irregular, domestic context to Crawford Passage. Active frontages are created in line with both key elevations, enhancing the surrounding area. The project is composed of five different brick types – Forum Charcoal, Forum Velvet, Forum Cromo, Forum Grey and Glazed White – inspired by the palette of Victorian brickwork in the area. The use of handmade bricks and white glazed bricks adds texture and emphasises the bonds, creating a gradation from a richer base to a lighter and brighter top. All bricks were manufactured by Wienerberger.



PUBLIC

Cambridge Central Mosque – Cambridge Central Mosque, designed by Marks Barfield Architects. After conducting research on mosques around the world, the architects found them to be an incredibly versatile building, adapting to the local conditions in which they are constructed. They drew inspiration from an image of the garden of paradise, as well as Islamic and English religious architectural traditions, namely Islamic geometry and Kings College Chapel respectively. The underlying geometry of the entire building is the 'breath of the compassionate' pattern which is based on octagons and symbolizes the rhythm of life. The mosque incorporates many sustainable features, including its timber structure which is curved and laminated. Roof lights above the trees create a prayer hall bathed in light. The external walls are made of cross laminated timber, clad in a Corium brick system. The tiles have also been chosen to reflect the light buff Gault Cambridgeshire brick with an accent red tile, which have been arranged to form Square Kufic calligraphy writing. All bricks were manufactured by Wienerberger.



EDUCATION

Royal College of Pathologists – Royal College of Pathologists, designed by Bennetts Associates. Located in the rapidly changing area of Aldgate on the London's Eastern fringes, the seven-storey building replaces an existing office block and represents the final phase in the College's relocation from its former home in the West End. The new building uses materials and artefacts to reflect the character of the Royal College, with social areas, staff offices and education spaces that reference the college's history and look to its future. As a key feature, the building's sixth floor steps back, creating an open-plan pavilion with panoramic views over London. Designed and built to last, the building features enduring and timeless materials: the meticulously crafted concrete frame unifies the building and integrates structure, services and lighting. The brickwork cladding, also present in the grand atria, stitches the spaces together. Freshfield Lane Selected Darks bricks, manufactured by Michelmersh Brick Holdings, were used for this project.

INNOVATION

The Interlock – The Interlock, designed by Bureau de Change Architects. An impressively intricate project, the façade consists of 5,000 bespoke Staffordshire Blue Clay bricks manufactured by Forterra. Embracing the street's piecemeal aesthetic, the design aims to challenge the definition of craftmanship in our contemporary setting. The bricks are the result of 14 moulds and a further 30 cut versions of the original moulds types totalling 44 different types of bricks. The bricks are arranged in a jigsaw way in which they respond to the window openings, the ground and top floor conditions, the corners and columns offering different arrangements for each condition, creating an entirely unique and varied façade.



HOUSEBUILDER

Croudace Homes – Croudace Homes, consisting of three projects; The Lanes; Kings Weald and Hermitage Park, each designed by Croudace Homes. Croudace Homes primary objective is to produce high quality homes backed up with first class customer service.

The Lanes is an exciting development of homes in Great Bardfield, Essex, a historic village offering picturesque countryside views, stunning listed architecture and all the amenities for modern living. The Lanes used Ibstock Brick as their manufacturer and Leicester Autumn Multi Red as the brick.

Kings Weald has been designed to not only connect to its surroundings seamlessly but to enhance features of existing landscapes whilst honouring the significant heritage and culture within the area. Kings Weald used Michelmersh Brick Holdings as their manufacturer and First Quality Multi Facings as the brick. With expansive woodland, a specially planted orchard, stunning views of the Kent countryside and located close to transport links and schools, Hermitage Park is the ideal place for families to call home. Hermitage Park used Wienerberger as their manufacturer and Washington Red Multi as the brick.



CRAFTMANSHIP

The Dorothy Garrod Building, Newnham College – The Dorothy Garrod Building, Newnham College, designed by Walters & Cohen Architects. Focussing on the value of using durable materials and on finding the right suppliers of products, the new building knits itself amongst the buildings already part of the college and creates a new frontage for the college from one entrance. The elegant design balances solidity and transparency, with glazing alternating with full-height brickwork panels where hit-and-miss element weaves seamlessly into the texture and detail of the elevation. The hit-and-miss brickwork compliments the existing buildings without mimicking them. A bespoke mixture of Northcot Plumstead and Lynham Red bricks were made to create Sidgwick Blend bricks for the project, all manufactured by Northcot Bricks.

SUPREME WINNER

Dorothy Garrod Building, Newnham College – The Dorothy Garrod Building, Newnham College, designed by Walters & Cohen Architects. Focussing on the value of using durable materials and on finding the right suppliers of products, the new building knits itself amongst the buildings already part of the college and creates a new frontage for the college from one entrance. The elegant design balances solidity and transparency, with glazing alternating with full-height brickwork panels where hit-and-miss element weaves seamlessly into the texture and detail of the elevation. The hit-and-miss brickwork compliments the existing buildings without mimicking them. A bespoke mixture of Northcot Plumstead and Lynham Red bricks were made to create Sidgwick Blend bricks for the project, all manufactured by Northcot Bricks.





KBB BIRMINGHAM PREPARES FOR 2020 SHOW

: KBB BIRMINGHAM

kbb Birmingham, Europe's largest dedicated kitchens, bedrooms and bathrooms exhibition returns for 2020. Taking place at the NEC from 1-4 March, the show will feature over 400 exhibitors along with showcasing the latest products and innovations.

A key talking point at this year's show will be personalisation. This is a huge trend in the industry right now, with many manufacturers wanting to offer their clients unique products and services that inspire new interior design choices and fits their brief.

Based on this emerging trend, the theme for kbb 2020 is "Individuality" – to provide retailers, architects, designers and developers with the correct knowledge and tools to give their clients exactly what they want.

When a homeowner considers personalisation there are four main factors that can influence their design choices: function, look, experience and belief.

When designing any room whether it's in a residential or commercial setting, function is always one of the top considerations. In residential spaces, this is often seen in rooms such as the kitchen or bathroom where homeowners are looking to make maximum use of the space available; products need to be practical and serve a purpose.

The look and feel of a room can have a huge impact on the way a room is perceived. An aesthetically pleasing space, that fits in with the client's personality and character can really make a room feel like home. Similarly, in a commercial setting there can be a real benefit to designing a space that fits in with the brand or business that it represents.

A well-designed space has the power to create an atmosphere or a specific experience to fit the rooms purpose. For example, if the homeowner is looking to create a social space for entertaining, seating needs to be taken into consideration as well as logistical factors such as layout to maximise the floor space. Does the room need to be a family space and fit the needs of a busy home with hard-wearing materials? Design can really alter the feel of an environment, and it's important to understand what the client is looking for.

Another design consideration that is increasing in popularity is belief. This could range from a client demand for sustainable manufacturing or vegan design, to ways of organising the room such as Feng Shui. Designers, architects and clients will all have their own personal beliefs and it's important to weave these into the design of a space - the room needs to represent the brief you are designing for.

Making a space feel personal and creating a space that displays the client or homeowner's individuality is an emerging trend that shows no sign of slowing down. kbb Birmingham will provide a wide range of inspirational exhibitors to bring these elements to life including; Kesseler, Abacus Direct Ltd, Abode, Fisher & Paykel Appliances Ltd, Frontline Bathrooms Ltd, Hafele UK Ltd, J & J Ormerod Plc, Franke, Laufen, Dansani, CRL Stone, RAK Ceramics UK Ltd, Blanco, Villeroy & Boch (UK) Limited, Roca, AEG, Ultra Finishing Limited, mcbath, Nobilia-Werke, Alno and Smeg.

Don't miss out, register now by visiting www.kbb.com for more information.



A WELL-DESIGNED SPACE HAS THE POWER TO CREATE AN ATMOSPHERE OR A SPECIFIC EXPERIENCE TO FIT THE ROOMS PURPOSE.

kbb

LAYERS OF INSPIRATION



1 - 4 March 2020
NEC BIRMINGHAM

For more information,
visit www.kbb.co.uk

PARTNERED BY kbbreview Kbsa BRITISH INSTITUTE OF KBB INSTALLATION SPONSOR bma Bathroom Manufacturers Association essential kitchen & bathroom BUSINESS

SPONSORED BY blum Perfecting motion newform BLANCO PERRIN & ROWE ROTPUNKT KUCHEN Centre of life sensio furniture lighting solutions caple

SALICE SET TO STAND OUT FROM THE CROWD AT KBB 2020

SALICE will be exhibiting their range of furniture fittings for kitchens, bedrooms and bathrooms at the KBB show, held at the NEC from 1st – 4th March 2020.

Salice will be located in Hall 17, Stand O100/ N104 where their show-stopping stand with plush carpets, greenery and beautiful displayed cabinetry, will enable visitors to view, and see in operation, their ever expanding selection of products, ranging from their award winning hinges, sliding systems, lift systems, runners and drawers, and accessories for furniture including stylish storage and discreet waste management solutions.

Renowned for their attractively designed products, Salice's Excessories range is something rather special, offering a variety of storage solutions created to optimise space and to facilitate the perfect arrangement of bedroom wardrobe interior fittings. The collection allows wardrobes and walk-in wardrobes of all styles to accommodate elegant hangers, scarves and tie hangers, bag hangers, cotton garment holder bags, trouser hangers and shoe racks, all elements of singular refinement and efficiency. In addition, Glovebox trays, watch-holder trays, ring-holders and earring-holders are available in various dimensions, with multiple finishes from fabrics to leather and a variety of colours from Racing Green to rich Cream.



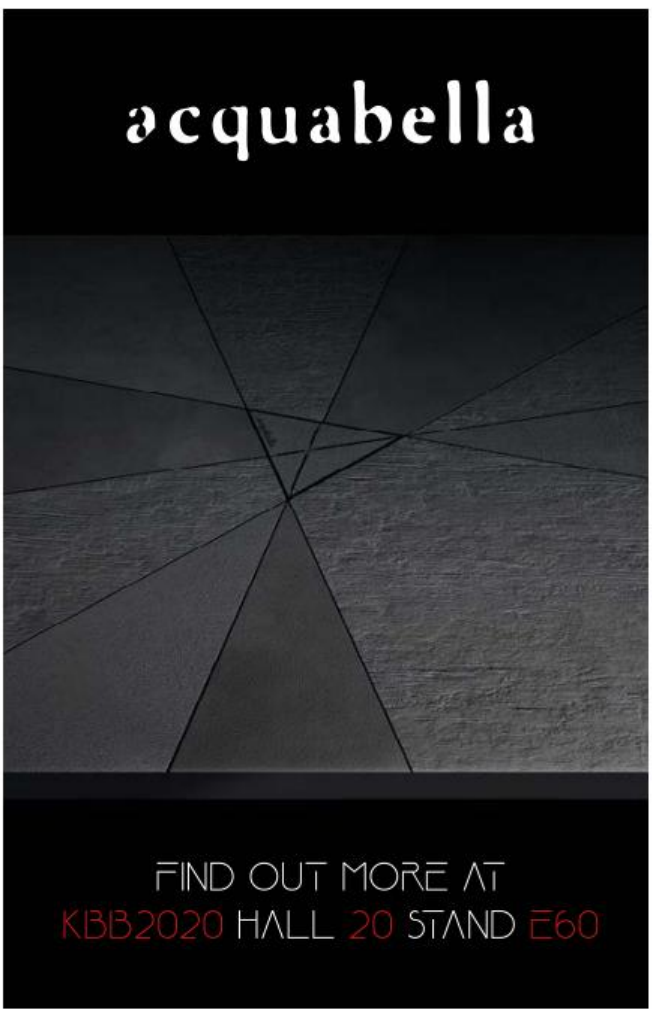
Visitors can also experience Salice's Exedra – the updated version of its industry–standard pocket door system.



The new version incorporates a linear magnetic damper that gently controls the movement of the door as it moves smoothly and silently into and out of its recess. In addition, a Smove piston cushions the door as it closes onto the cabinet.

Salice's pioneering hinges will of course be on the stand too, including their Silentia+ range. Designed to offer the most advanced deceleration system, Silentia+ delivers a consistently perfect closing action across a range of hinges for doors of all sizes, weights and applications.

To experience the SALICE product range please visit Hall 17, Stand O100/N104, telephone 01480 413831 or visit SALICE online at www.saliceuk.co.uk



NEW BROOKLYN RANGE FOR KINEDO



Designed to bring the industrial trend to life, the new Kinedo Brooklyn shower cubicle range offers a desirable showering solution for mid to high-end specifications. Available in two colour options – industrial chic with a black version; and, grey profiles and chrome shower giving the traditional a modern twist – Brooklyn features transparent glass on the grey version and black silk screen printed lines on the black version. Its clever design and quality fixtures mean assembly is quick and simple, without silicone and predominately without screws. This robust cubicle comes with pivot or sliding door, white Biocryl shower tray with chrome waste, metal handles and a choice of profile colour, shower and glass, to create the perfect look for any bathroom.

Known for being leak-free, robust, stylish, safe, swift to fit, easy to maintain and economical, the Kinedo range – designed and manufactured by Saniflo and comprising of 11 shower cubicle ranges, 4 shower enclosure ranges, plus walk-in shower-bath Kineduo – appeals to numerous domestic and commercial applications. Kinedo ranges enjoys great success among mid to top-end independent house builders, guest accommodation providers and retailers, while Kinedo budget models are widely specified for universities and larger scale leisure facilities.

See the new Kinedo Brooklyn on display at KBB Birmingham, 1-4 March 2020 on Stand C64.

www.kinedo.co.uk | 020 8842 0033





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. With over 50 years in production, Catalano is a company rich in heritage and a market leader in manufacturing and exporting ceramics, selling its ranges in over 100 countries. The company produces cutting edge ceramic collections in a its technically advanced, 170,000 square metre factory and then collections are hand finished by skilled craftsmen, giving ceramics an authentic finishing touch in true Italian tradition.

Catalano is globally renowned for producing the finest contemporary designs, made to the highest standards. A standard of excellence in terms of quality and respect for the environment, is built into every stage of the manufacturing process. Catalano's commitment to quality is highlighted in numerous worldwide projects and awards received in recognition of its achievements. Recent awards include the 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. 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
020 8685 6815
www.catalano.it

EMPORIO BAGNO BY NOCODE

UK based NoCode curates tap and showering solutions, chosen for their beautiful design and superior quality and these are showcased in the Emporio Bagno collection. All brassware products are designed and made in Italy and undergo rigorous testing to ensure consistent high quality and enduring performance. Emporio Bagno offers a wide selection of designs, colour finishes and installations. EcoAir options are available for shower installations where water conservation is a key issue.



The VersoBox shower valve is available in on trend colour finishes, with a plating service offered for more customised looks. Different handle options also add to the versatility in terms of design. Shower valves are on an ultra slim 70mm back plate and the new VersoBox Plus is even more minimalist with valves on individual trims for a stunning look. With an impressive shallow depth of between 70–90mm, VersoBox can be used in any type of wall.

The performance element is impressive with a 2 outlet shower valve delivering 39.6 lt/min at 3 bar water pressure. Shower valves will perform at a low minimum pressure of 0.2 bar with high flow rates for an invigorating water experience. Thermostatic mixer arrangements can be customised for bathroom project requirements.



Showering options range from basic shower heads to luxurious ceiling mounted chromotherapy heads with rain, mist and cascade settings. Shower kits can be colour matched with Emporio Bagno tap finishes – this allows for a truly coordinated bathroom look.

Tap ranges have flexibility in design and installation options, covering contemporary and modern traditional styling. Two new tap ranges have been launched for 2019 - Senso and Entro. Senso features knurled handles for a comfortable grip and Entro features a sleek control mechanism for a stylish modern look. The Emporio Bagno collection will be extended with more new products launched in the early part of 2020, including a new range of push button shower valves.

www.nocode.co.uk





EmporioBagno®



020 8685 6815
www.nocode.co.uk

BETTER RESTROOM DESIGN
THE DIFFERENTIATING FACTOR

How to Help (or Harm) Your Building's Reputation with Restroom Design







In 2010 Tom Peters, author of the seminal book 'In Search of Excellence', summarized decades of consulting experience in another must read book, 'The Little Big Things" He says that best practices for business success are a summation of the pursuit of excellence in many small, yet important, details. Chapter 1 is fittingly titled 'It's all about the restrooms!, where he writes "To me, a clean, attractive and even imaginative loo is the best 'WE CARE' sign in a retail shop or professional office - and (attention!) it goes double when it comes to employee restrooms! So, Step #1: Mind the restrooms!"

How can we quantify the impact of restrooms on a business?
A Harris Interactive poll found that 50% of people who encounter a dirty restroom would discuss it with friends and family, while 86% equate the cleanliness of a restaurant's restroom with the cleanliness of its kitchen. According to a Zogby International poll more than 80% of consumers would avoid a restaurant with a dirty restroom, not just the restroom - the restaurant altogether.

Public bathrooms are impactful. The attention paid by architects and building owners in creating these, most private, spaces, says that you care and can influence the behavior of customers, employees, students, and others. This can play a critical role in improving customer loyalty, and even employee performance, which has been proven to generate incremental revenue and increase profitability.

What does good bathroom design entail?
Simply, thoughtfulness, creativity and a willingness to let go of old habits. Standards have changed, the needs of the general population have evolved and the buildings that dot today's landscape today reflect this new paradigm. However bathrooms, at times, are designed using an old blueprint and sadly they don't reflect the design intent of the buildings overall architecture.

When designers take off the blinders and work with a full array of new product types, as well as with a full pallet of materials and colors, they can create restrooms that echo the building's design. Working with manufacturers that offer unbiased guidance, which stems from offering the broadest selection of innovative products, can make all the difference.

ASI Group is your Source for Better Washroom Design
The ASI Group and the products we offer have earned a reputation with designers for providing peace of mind. Over many decades we have built a global manufacturing and sales footprint offering an unrivaled selection of innovative washroom accessories, toilet cubicles, lockers and even visual display products - in more colors and materials - that anyone in the world.

This has afforded us the privilege of providing products for iconic bathrooms, in iconic buildings like the Port House, in Antwerp (Zaha Hadid), the Residence Palace, HQ of the EU Council in Brussels (Philippe Samyn and Partners), the Apple HQ in California, and Shanghai Disneyland in China. .

Whether you are creating a one of a kind architectural landmark or renovating an existing building allow us to assist you as well.

Call our European headquarters in Belgium, 03 / 360.91.20 or visit asi-alpaco.com. In the UK contact Gavin Whitehead (+44 7498 488579 / gwhitehead@americanspecialties.com) or John Whitfield (+44 7958 385243 / jwhitfield@americanspecialties.com. The ASI Group - asigroup.us.



EVERYTHING YOU WANT TO SEE, NOTHING YOU DON'T

Now your hand dryer, soap dispenser and paper towel dispenser can be hidden.

ASI's exclusive Velare™ Behind the Mirror cabinet, Piatto™ washroom accessories and Alpaco™ partitions are the most revolutionary solutions in half a century. Everything you want to see, nothing you don't. It will change the way you design restrooms. See how at www.americanspecialties.com or call 914.476.9000.

ASI Group
Integrated Building Products

demista™
Clearly Perfect



Demista® The hidden Luxury

The Luxury items that first catch your eye in the bathroom could be the gold taps, the amazing rain shower, the marble tiles or the creative lighting. But the hidden luxury that every bathroom or En-suite cannot do without is the heated mirror pad.

The unobtrusive product from demista, ensures your bathroom mirror remains steam free at all times.

Often the first choice for designers, architects, interior designers and specifiers, demista has become the must have part of any bathroom or En-suite, as the system is probably the simplest and most adaptable item available around the world via demista's distributors.

Since the idea of the demista mirror heat pad was conceived steamed up mirrors have become a thing of the past in luxury hotels, prestigious housing and apartment developments around the world, and now being used in domestic new builds and renovation projects as a must have item because once the pad has been installed it saves time and money, as you do not need to keep cleaning your mirror with cleaning products.

With over 400 sizes available in various voltages means the heat pad can be installed anywhere in the bathroom or En-suite, even on cabinet doors and vanity units. Demista has become the generic name for heated mirror pads, but to avoid imitations, look for the demista trademark on the product, all of demista's heat pads are completely manufactured in the UK and carry a 10-year warranty.





Safety, ease of installation, minimal energy consumption, quality, reliability, full technical advice and service are the key ingredients for our customers, with our pads fully approved for bathroom use to European and international standards, which meets all the requirements both in the UK and around the world.

Prestige projects such as The Ritz in Paris, The Royal Atlantis in Dubai, The Crosby Street Hotel in New York, The Sky View hotel and residences in Dubai, W Hotel Ibiza, The Crown Plaza in St Petersburg, Burj Al Arab and other luxury hotels and homes in India, Australia, Egypt, Barbados and Malaysia can be found in Demista's portfolio.

Telford Road
Glenrothes
Fife KY7 4NX

T: +44 (0)1932 866 600
F: +44 (0)1932 866 688
E: sales@demista.co.uk

Visit us online
demista.co.uk

fireretardantuk.com

HR PROF THE ECO-FRIENDLY FIRE RETARDANT

Water based - does not leach • Allows wood to breathe naturally
Internal/external application • Colourless - Odourless
EN 13501 - 1 • Non Toxic - No Solvents
BS 476 part 6 & BS 476 part 7 • Euro-class B-s1-d0 and C-s1-d0
BM TRADA ISO 9001 Certificate • Meets the highest EU standards

Classification Reports & Certificates for HR Prof; Pine, Spruce, Scotch/Siberian Larch, Western Red Cedar, Oak, Plywood & More



ALSO FOR WOOD PROTECTION FIRE RETARDANT UK ONE COAT INTERIOR

A clear, colourless treatment for Euroclass B s2 d0 and Class O in a one coat application on porous wood, porous–faced plywood and porous wood based boards.

FIRE RETARDANT UK TOP COAT SEALER INTERIOR OPTION

For protection against dirt, UV, and splinter resistant surface, a wipe-able sealer for application over Interior One Coat. In clear or Wood-stain - Matt or Satin finish.

0800 7833 228 | sales@fireretardantuk.com

EARTHBORN'S HISTORIC PAINT COLOURS

Earthborn is well known for its high performing, eco friendly paints that are healthier to live with and better for the planet.

With a host of unique qualities, Earthborn is the perfect choice for listed buildings and period homes. From historic medieval churches to sprawling Georgian mansions, compact Victorian terraces to mid-century bungalows, Earthborn's paints are regularly specified by homeowners and professionals alike for a variety of heritage projects. Claypaint is available in a palette of 72 signature shades, including several based on historic paint colours.

Every period building has its own unique characteristics and considerations when it comes to decorating. So Earthborn has combined its own paint knowledge and colour know-how with the expertise of Lincoln Conservation, to produce a guide on how to choose paint for older properties and create historic paint colour palettes that remain suitable for modern living.



Together, they have created colour palettes suitable for a range of architectural styles and eras.The "Earthborn Guide to Historic Paint Colours", identifying design themes and colour recommendations for Georgian, Victorian and 20th century property styles is available on request from marketing@earthbornpaints.co.uk

www.earthbornpaints.co.uk



Superior duplex coatings for steel

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

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

We are Syntha Pulvin, AkzoNobel, Tiger, IGP and Axalta approved paint applicators.

Contact us today for a no obligation quote!

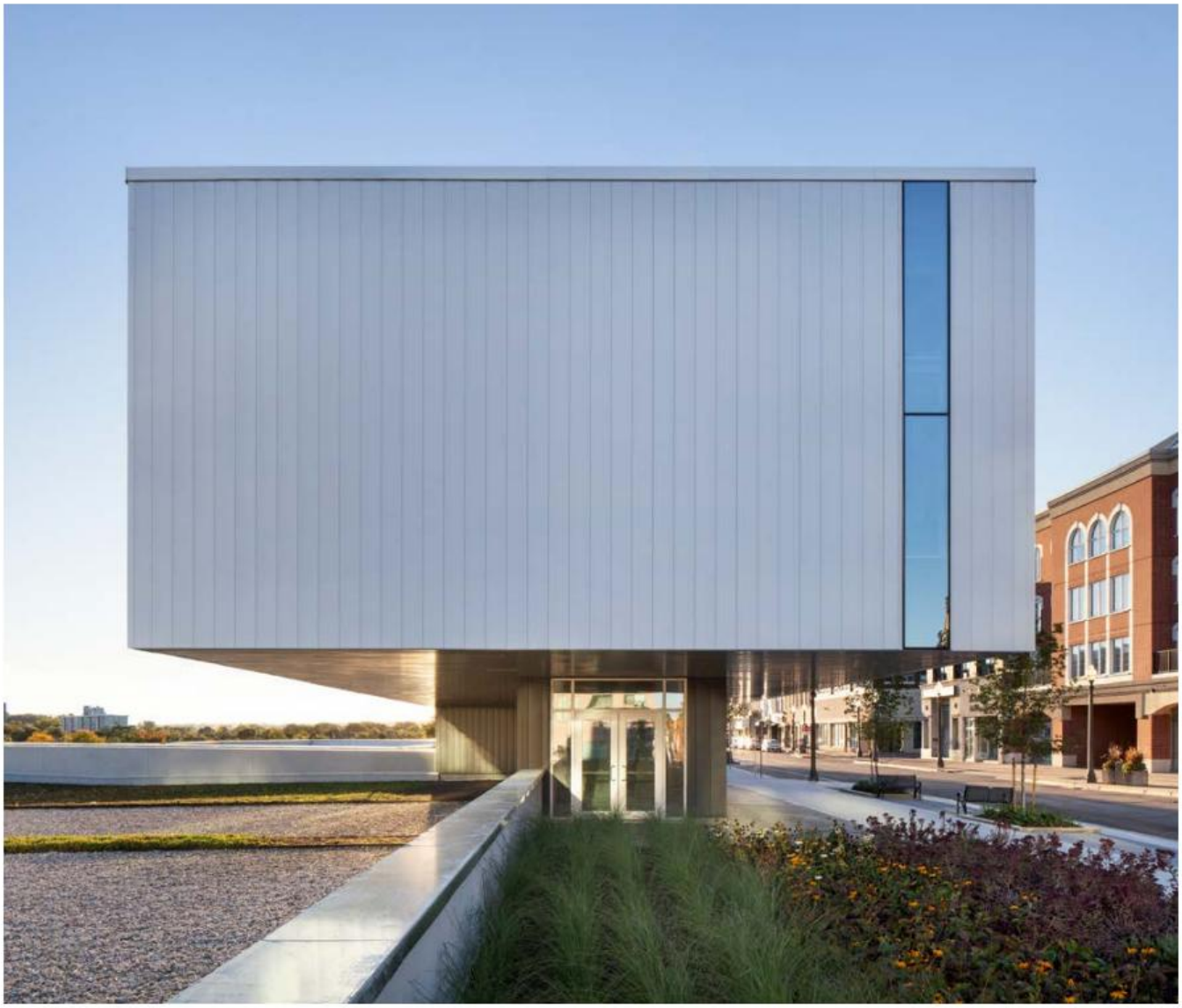
Joseph Ash Medway, Castle Road, Eurolink Industrial Centre, Sittingbourne, Kent, ME10 3RN

+44 (0)1795 479489 | medwayinfo@josephash.co.uk | www.josephash.co.uk

valspar syntha pulvin | ARCHITECTURAL COATING SOLUTIONS

JOSEPH ASH GALVANIZING | MEDWAY

Photo credit: Adrien Williams



LAURIER BRANTFORD YMCA

: CANNONDESIGN



The result of a dynamic partnership between the YMCA of Hamilton|Burlington|Brantford and Wilfrid Laurier University, the Laurier Brantford YMCA revitalizes the City of Brantford as a hub for community health, recreation and wellness.

The two clients worked together through a highly collaborative design process that ensured all ideas and possibilities were uncovered and needs best met as they shaped a project to create exciting new opportunities for students and local residents.

Located at the confluence of a dynamic city edge, the center is conceived as an integrated design that offers the public a unified and cohesive experience asserting a new identity to the block and city as a whole. The design focuses on three themes– memory, movement and landscape – as it draws upon the rhythms and patterns of buildings that previously filled the location while creating new possibilities.

"This project marks the heritage of Brantford with purposeful touches like accenting the building's glazing pattern along the Colborne Street facade with superimposed plot lines of mullions to retain the rhythm of the streetscape the YMCA replaced," explains James Lai, project architect for CannonDesign. "And, at the same time, the programming, partnerships and energy this building makes possible all point to a more dynamic future for the city."

The center revitalizes the city's downtown and creates exciting opportunities for recreation programming.

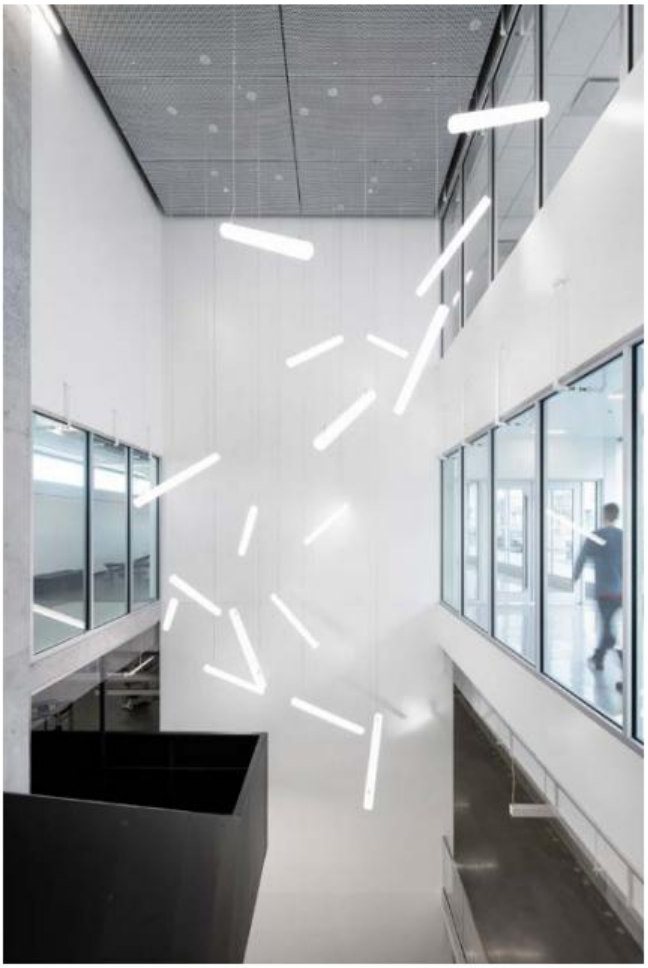
The 120,000-sf facility includes:

- An aquatics center for lane swimming, swim lessons, aquatic fitness and therapy and leisure
- A dedicated childminding area
- Five inclusive changing rooms for families and all genders. Plus, there are four additional team changing rooms for Wilfrid Laurier athletics events
- A youth zone for focused recreational, social and leadership development programs
- A double gym designed for sports and competition with retractable stadium seating for 860 people and a supporting first aid and athletic therapy space
- Comprehensive cardio and weight training areas with WiFi capabilities for fitness programs and access to apps
- A single gym space for other recreation opportunities and programs
- Health intake consultation rooms for specialized community-based health care programs in partnership with Hamilton Health Sciences and Brant Community Healthcare System
- Three studios for a large variety of group fitness classes including cycling and dance among others
- Multi-purpose spaces for social, educational and cultural programming
- A Wilfrid Laurier student lounge for group work and socialization

The project received a prestigious Progressive Architecture (P/A) Award from Architect magazine in 2012 when it was in design. At that point, the jury said of the project: "It brings a historical neighborhood into the 21st century."

The project is meaningful to its site as it replaces vacant row houses and is integrated into a sloped hillside to ensure it is visually pleasant and appropriate. Inside, the building welcomes abundant natural light and open views inside and out of the building.

The project was delayed 18 months due to an extensive archaeological dig that unearthed more than 400,000 artifacts dating from 500 BCE to the 21st century.



PROJECT DETAILS
Laurier Brantford YMCA
Brantford, ON, Canada
Completion Year; 2018
120,000 SF

www.cannondesign.com



THE DESIGN FOCUSES ON THREE THEMES – MEMORY, MOVEMENT AND LANDSCAPE.



THE IMPORTANCE OF ARCHITECTURAL VISUALISATION

Architectural visualisations are now a standard part of the property developer's marketing toolkit, but they have evolved to play a very important role in other areas too.

Traditionally, the images created by companies such as Colchester-based CGEye Ltd have appeared in brochures, on signage and more recently of course on digital platforms, all designed to entice potential buyers in a very competitive and crowded market. CGI's have a proven track record of success in off-plan sales, but it's important to acknowledge them also as a useful communication tool for architects.

CGEye has been established in the Archviz industry for 15 years, and Director of Production Paul Smith has noticed the changes in the ecosystem. "As the technology improves, we're noticing more and more practices investing time and resources to produce spectacular cgi's for their clients, and this shows their growing importance. Some practices are extending their work into the field of immersive technology such as virtual reality, and it's a very exciting development. Of course it represents an element of competition for our own services if architects are turning out work in-house, but that's a healthy thing. It forces companies like us to constantly review our techniques and standards, and that can only be a good thing for our clients".

CGEye nevertheless enjoys a good reputation in the Archviz field, due in no small part to a clear understanding of what marketing teams at property companies need and their willingness to expand into other areas, including Augmented and Virtual Reality. Many architects still rely on external resources for their cgi production, particularly for specialised projects involving animation and post-production techniques. This could be because of the potentially high cost of software, hardware and training. For many smaller practices it doesn't make commercial sense, and CGEye can take up the slack when needed. Indeed architects account for about 30% of the company's client base.

Beyond marketing, cgi's are increasingly being used for planning. Verified views are an important tool here. These are hybrid cgi's placed against a photograph, and are physically correct in size, location and orientation owing to the added benefit of survey data which allows the artist to geo-locate a model relative to a photo with considerable accuracy.

As we enter the new decade, we can expect the emergence of photo-realistic renderings offered by architects to continue, whether from their own in-house talent or with a specialist cgi partner.

www.cgeyeltd.com





VISUALISING THE FUTURE

Market leaders in CGI visuals and animation for architecture







Exterior & Interior visuals • Photomontage • Verified Views • Fly thru tours
Siteplans • Cutaways • Aerial views • Augmented Reality • Virtual Reality

cgeye

cgeyeltd.com 01787 223674 admin@cgeyeltd.com

TOUCH
IRONMONGERY LTD

www.atouchofbrass.co.uk

210 Fulham Road, Chelsea London SW10 9PJ

THE PERFECT TOUCH

Touch Ironmongery is one of London's leading Architectural Ironmongers Established in October 1982

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 product and finishes that they sell.

In fact today, Touch can supply a wide range of finishes including Brass, Satin Brass, Polished 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 quality 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 38 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 Ironmongery have recently become suppliers for Designer Doorware (Australia) who have beautiful products with a cutting edge design Metal , Wood and concrete. We also have the exclusive rights to sell the Olaria (Barcelona) range in the UK.

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

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







BRITISH & EUROPEAN MANUFACTURERS
SUPPLYING THE FINEST QUALITY IRONMONGERY

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

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

Olaria, available from Touch Ironmongery

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











EATON HOUSE, THE MANOR SCHOOL, **CLAPHAM, LONDON**

: ADAMS+COLLINGWOOD

Eaton House The Manor School was a challenging but inspirational project for the Adams+Collingwood Architects team. The Clapham school needed to increase its teaching space while also furthering its ambition to become the greenest school in London.

Adams+Collingwood Architects helped the school to progress these aims while also dealing with challenging access restrictions. Access to the construction site was exclusively through a 1.2m wide side passage, meaning that a crane was required to lift in all heavy equipment including the JCB's and dumper trucks and heavy material loads over the roof of the 4 storey front building.

Not only that, but all work had to be completed during the school holidays, so that the establishment could remain fully functioning during term time. This meant adhering to an extremely tight timescale during every phase of the process.

To further complicate matters, the school was housed in a Grade II listed building within Clapham Common Conservation Area.

Adams+Collingwood Architects addressed the challenge in two phases, delivering a solution that met all of the school's ambitions, while also delivering sustainability features in line with London Biodiversity Action Plan. Through considerate design and delivery, the new school improves the wellbeing of pupils, aids their understanding of sustainable solutions and enhances the character of the local area.

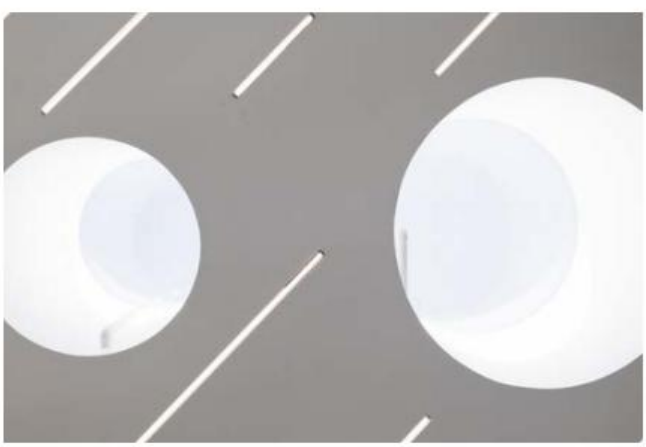
The initial phase saw Adams+Collingwood Architects introduce a (now well-loved) covered play area and green wall to the school.

The second phase continued the green theme. A sensitively designed new building provided two dining halls, specialist science, design & technology and nursery classrooms at ground level and basement floor. Another lush green wall and contemporary materials palette was used to enrich the local neighbourhood.

The school's ecological management plan takes its cue from the London Biodiversity Action Plan, with habitat enhancements including additional tree planting, a sedum roof and living green wall. Adams+Collingwood Architects also included roof-level photovoltaic cells and a rainwater harvesting tank below the playground. This supplies grey water to the whole school, while lambswool insulation also encloses part of the previously un-insulated existing building.









THROUGH CONSIDERATE DESIGN AND DELIVERY, THE NEW SCHOOL IMPROVES THE WELLBEING OF PUPILS, AIDS THEIR UNDERSTANDING OF SUSTAINABLE SOLUTIONS AND ENHANCES THE CHARACTER OF THE LOCAL AREA.







PARTICULAR ATTENTION WAS PAID TO THE MATTERS OF LIGHTING AND VENTILATION, GIVEN THE NEED TO KEEP CO2 LEVELS IN CLASSROOMS UNDER CONTROL.

These features served to meet the client's environmental ambitions and achieve a BREEAM rating of Excellent.

The new building sits within the same footprint as an outdated and inefficient building but provides an additional 50% teaching space (thanks to the excavation of the basement floor). As a result, the new building design has very little impact on its surroundings.

The building was an amazing feat of construction. The existing building was demolished in order to make way for the new extension, which was constructed with minimal disturbance to either pupils or the local neighbourhood.

Particular attention was paid to the matters of lighting and ventilation, given the need to keep CO2 levels in classrooms under control to keep students and staff alert and attentive throughout the day. Adams+Collingwood Architects surpassed minimum codes requirements (building regulations and building bulletins). The team delivered a clever combination of both natural and artificial light, using simple and inexpensive solutions to greatly enhance the pupils' and staff's experience of the building.

Through considerate design and delivery, the new and improved Eaton House The Manor School improves the wellbeing of pupils and staff, aids their understanding of sustainable solutions and enhances the character of the local area.

www.adamscollingwood.com



The Perfect Pocket

Nowadays an essential part of your modern day living area.
More space to move around in and more options with furnishings.
Rocket Door Frames fit UK standard door sizes so you can supply your own for more style and more space at the same time.

The Inexpensive Alternative

From £119.50* Plus VAT

WARRANTY 12 YEARS WARRANTY

NEXT DAY DELIVERY

EXCELLENT CUSTOMER SERVICE

Visit: rocketdoorframes.co.uk
0330 998 0617

ROCKET DOOR FRAMES

Picture credits: Kirstine Mengel



A PLACE OF FREEDOM AND TRANQUILLITY

: SCHUCO

Bielefeld. With the development of a 150 square meters holiday house in Denmark, architect Birgitte Bruun has created a place for her and her family to escape the hustle and bustle of daily life. Together with the architectural practice Raw Architects, they have created a holiday house that simultaneously provides an incredible sea view in all seasons and focuses on maintenance-free materials and a minimalist design. Using the Schüco ASS 77 PD.SI (Panorama Design Super Insulation) sliding door system, all these requirements are met with a single system.

Birgitte Bruun wanted a holiday house for her family that was in distinct contrast to their usual home. The coastal house is intended to be a place of freedom and tranquillity, shielded from the outside world and welcoming to nature. The view of the water with its positive and calming effect was therefore especially important and something Birgitte Bruun did not want to miss, even in the colder seasons, deciding to use a solution that combines outside with inside. The Schüco ASS 77 PD.SI sliding system offers the family an unparalleled vista. The panoramic design of the Schüco ASS 77 PD.SI sliding system is distinguished by its minimal profile face widths in the interlock section and an outer frame and vent frame concealed in the attachment to the building structure, while the profile-integrated, electronic drive and locking system provide additional convenience. The smooth transition between the living room and terrace, the family's "favourite room" was also very important to Birgitte Bruun, and was made a reality using a zero-level threshold. This, combined with the Schüco FWS 50.SI façade system, created a holiday house flooded with light, with large window fronts and an all-encompassing sea view.





THE COASTAL HOUSE IS INTENDED TO BE A PLACE OF FREEDOM AND TRANQUILLITY, SHIELDED FROM THE OUTSIDE WORLD AND WELCOMING TO NATURE.







> THE SPARTAN, MINIMALIST INTERIOR RESTRICTS ITSELF TO THE ESSENTIALS SO AS NOT TO DETRACT FROM WHAT IS IMPORTANT: FREE TIME, RELAXATION AND PEACE, ALL WITH A COASTAL VIEW.

PURE TRANQUILLITY

Birgitte Bruun and her family like to spend their downtime relaxing, so from the beginning the goal was to create a practical and simple, yet stylish, house which would not require a lot of maintenance. This was accomplished through the use of hard-wearing cedar wood as cladding for the house and the planks of the decking. The wood is resistant to sea salt, does not require any varnishing and ages beautifully, fitting in perfectly with its maritime surroundings. Meanwhile, the absence of hedges and lawns means no further garden work is necessary, and individual, easy-to-maintain rosehip bushes surround the house. One element of the terrace in particular seizes upon Birgitte Bruun's attachment to the sea: the so-called "Ibiza den", a nook protected from the wind, allows you to sleep outside and watch the sunset the whole year round. When it comes to the furniture, Birgitte Bruun has also remained true to her scaled-back style. The spartan, minimalist interior restricts itself to the essentials so as not to detract from what is important: free time, relaxation and peace, all with a coastal view.

SCHÜCO – SYSTEM SOLUTIONS FOR WINDOWS, DOORS AND FAÇADES

Based in Bielefeld, the Schüco Group develops and sells system solutions for windows, doors and façades. With 5400 employees worldwide, the company strives to be the industry leader in terms of technology and service today and in the future. In addition to innovative products for residential and commercial buildings, the building envelope specialist offers consultation and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation. 12,000 fabricators, developers, architects and investors around the world work together with Schüco. The company is active in more than 80 countries and achieved a turnover of 1.670 billion euros in 2018.

For more information, visit www.schueco.com



BETTER RESTROOM DESIGN
THE DIFFERENTIATING FACTOR

As a new decade commences, professionals everywhere are seeking fresh inspiration for interiors, whether for commercial spaces or residential living. This desire for innovative performance and trend-setting designs is most notable when it comes to interior doors, whose influence upon a room can have a marked effect on the surrounding décor, lifting and invigorating adjacent space. Bringing clarity to this process is Vicaima, who have just launched their 2020 Interior Door Selector. Packed with ideas this brochure is an essential tool for every specifier.

Now an annual and eagerly anticipated event, the 2020 edition of the Vicaima Interior Door Selector has over 100 pages filled with doors and doorsets that suit a multitude of applications, tastes and budgets. Its simple to navigate layout has been designed to make the selection process straightforward, with at a glance guides to form, function and fire, or indeed other desired performance criteria. Every range also shows a simply Price Indicator, allowing easy comparison between potential options for that perfect specification.

New for 2020, Vicaima have introduced some pioneering products that are certain to gain wide appeal. These include: Primed 2 Go, a revolutionary, polymer faced door for painting that requires no surface sanding or priming, saving time and money on site. Deep Textured Finish, creating the authentic touch of an open grain in a matt finish that can be applied to a selection of veneered and stained veneered doors

An extension to the Visual Sensation foil door range, introducing 4 new matt finishes and new horizontal grain options in both the Naturdor Stained and Dekordor SD Foil ranges.



Naturally, at Vicaima it's not just about great design and trend setting aesthetics. As specialists in performance products, Vicaima set the benchmark for fire certification, coupled with security and acoustic solutions. With a growing market awareness of the needs of providing peace of mind when it comes to fire safety, specifiers gain confidence from a supplier like Vicaima, who achieved 54 minutes during recent MHCLG testing of their 30-minute door assemblies. This coupled with Secure By Design approval and FSC environmental certification, makes Vicaima the obvious choice for demanding locations.

Download a copy of the 2020 Interior Door Selector today by visiting the Vicaima website www.vicaima.com. Alternatively call 01793 532333 for further inspiration.



SCOTLAND'S NEWEST SECONDARY SCHOOL UTILISES INNOVATIVE METAL TECHNOLOGY'S INNOVATIVE DESIGNS

Metal Technology recently delivered its specialist architectural aluminium systems for use at Bertha Park High School in Perth, which is set to become one of the most advanced schools in the UK and beyond due investment into innovative technologies.

The significant education project selected Metal Technology's systems in order to meet the security, thermal, and airtight design requirements, as well as the desired ventilation strategy.

The state-of-the-art facility, which has been designed to accommodate up to 1,100 students, perfectly showcases Metal Technology's striking full height System 17 curtain walling façade, as well as a range of other specialist products.

For more information visit: www.metaltechnology.com



ASSA ABLOY PROJECT SPECIFICATION GROUP'S BIM-ENABLED OPENINGS STUDIO DRIVES EFFICIENCIES FOR ARCHITECTS AND SPECIFIERS

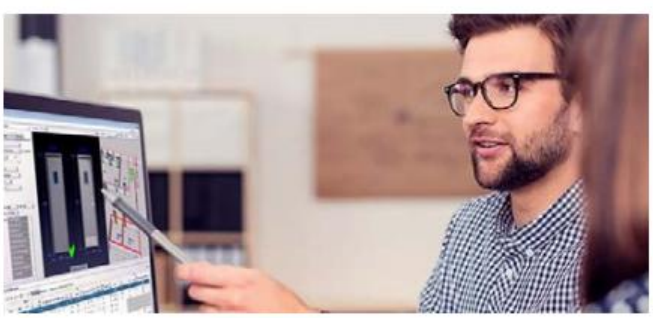
BIM is changing the building landscape, bringing with it improvements in design, specification, delivery and asset management. According to NBS' National BIM Report 2019, BIM adoption has grown from little more than 10% in 2011 to around 70% in 2019.

When it comes to doorsets and ironmongery in particular, using tools such as Openings Studio™ from ASSA ABLOY Opening Solutions UK & Ireland Project Specification Group, can truly unlock the potential of BIM.

The software, suitable for all building projects and applications, provides product information and performance data to comply with budgets and ensure building regulations are adhered to, while 3D views guarantee full design integration.

For architects and specifiers, Openings Studio can drive efficiencies in creating door schedules by linking to fire certifications and energy performance documents. Having one easily accessible source allows users to update relevant information automatically without having to manually input each specification, saving both time and money.

Eric Spooner, BIM Manager at ASSA ABLOY Opening Solutions UK & Ireland, says: "With more than 8,000 architects already using Openings Studio around the world, our BIM-enabled specification software is already adding incredible value to our user's projects. Our tools give our partners more time to focus on what they do best, creating high quality, sustainable buildings, more efficiently and cost effectively."



Those using Openings Studio can also create Virtual Design Guides, which essentially serve as a library of typical openings, that architects can then use when designing buildings. Data is available in multiple formats to ensure easy collaboration with all stakeholders, and Openings Studio supports popular BIM tools such as Autodesk® Revit.

Project Specification Group can support customers at every stage, from design and specification, to installation and ongoing maintenance. With such a wide range of capabilities, the Group's Project Design Consultants can source and supply all door and ironmongery requirements, seeing a project through from start to finish.

To find out more, please call 0845 071 0882 to speak with an experienced Project Design Consultant, email ukspecification@assaabloy.com or visit www.assaabloyopeningsolutions.co.uk/specification.

CASE STUDY FOR SITA DSS SIPHONIC DRAINAGE SYSTEM AT HOE VALLEY SCHOOL, WOKING

This new school sits on 4 acres of a 22 acre site and provides modern, purpose built facilities for students needs for a 21st century education. This is why careful consideration was given in choosing the right drainage solution and as such the Sita Bauelemente GmbH DSS Siphonic Drainage System was chosen.

Working in close cooperation with the our specialist contractor IPS Group, who were responsible for the installation. This project meets all the requirements to be able to protect the building and its contents for the designed building life of 20 years and more.

DESIGN

For quality control all siphonic drainage systems are designed by Sita's fully trained technical consultants. That way we can assure that design meets with all the associated British standards and the whole design can be traced right back to original designer.

The first operation in calculating the effective rainwater run-off from the roof was to calculate the rainfall intensity. In UK practice the RFI is derived from a series of intensity – location graphs in national annex NB of BS EN12056-3:2000. This detailed procedure takes a 2 minute, 5 year rainfall depth for the chosen location, then by means of growth factor charts, converts this into 2 minute storm of the chosen return period.

The return period is based on the building life, which in this case was 20 years. It is then multiplied by the factor of safety, which is typically 1.5 (CAT 2) or 4.5 (CAT 3), depending on the level of protection the building requires.

Due to the nature of this project a CAT 3 category of risk was chosen for the main drainage system, with a gravity fed emergency drainage system as back up designed to drain 50% of the overall rainfall intensity.

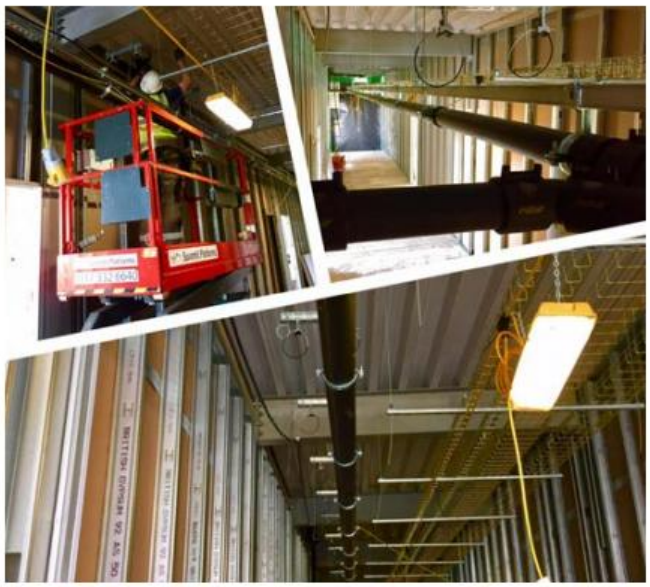
The RFI was calculated at 0.059l/s/m2 for the main drainage and the information, along with the effective roof areas, was then used to calculate the pipework configuration for the main drainage, using well established hydraulic principles in compliance with BS8490:2007 and BS EN12056:3-2000, which gives accurate calculated results.

INSTALLATION - NO SPACE WASTED

One of the biggest challengers when installing siphonic drainage systems is coordination with other services within the building. On a building such as this there was limited space within the ceiling void to accommodate all services and therefore careful consideration was given to ensure that no clashes occurred.

IPS had to work with the M & E sub-contractors and other trades and work in a co-ordinated manor to ensure all parties could work together in a structured and efficient way.

Due to the limited ceiling void is was particularly important to pick the right system. The Sita siphonic drainage system is suspended from the troughs of the structural metal decking, at 0% gradient by use of metal deck hangers. This provided a secure fixing point for



the Sita DSS rail system that supports the HDPE pipework. This is an important architectural benefit because the lack of gradient meant it took up less space.

A total of 21no DSS Profi siphonic outlets were used for the main drainage, with a further 13no SitaTrendy outlets providing gravity fed emergency drainage to the building. To be confident that a secure connection between Sita outlets and the waterproofing layer is achieved Sita's outlets came with a fully bonded membrane connection flange using the same waterproofing material as the roof. Due to rigorous in house testing methods Sita offer a standard 10 year guarantee on all roof drainage products. Sita outlets are also regularly 3rd party tested and monitored by TUV Rheinland, which confirms that they are manufactured in accordance with DIN 1253-2:2015-03, that way you can be sure you are receiving a quality product.

SITA SOLVES PROBLEMS

Sita's calculation service is an elementary aid and a great starting point for your project. On the basis of your specifications, Sita calculates precisely how the siphonic system – covering the rainwater outlet, pipe and fastening system – has to be designed for the particular location and individual building type. Even if the requirements are very complex.

Using a Sita siphonic system means that on average 70% less downpipes are required, when compared to a gravity system. This not only saves space within the building, but also means that there is almost no need for underground pipelines and their associated groundworks.

That coupled with the expert knowledge of the installation provided by IPS Group means, that when specifying Sita Bauelemente GmbH you can confident you are receiving the highest quality products.

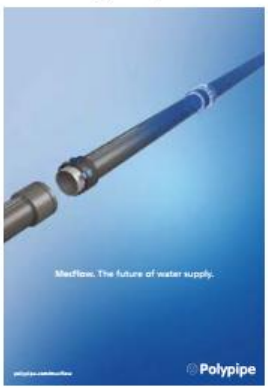
For more information visit www.sita-bauelemente.de

POLYPIPE BUILDING SERVICES CELEBRATES EXPANSION INTO WATER SUPPLY

Polypipe Building Services, the commercial building services specialist, is expanding its product portfolio by introducing a revolutionary plastic water supply system for the UK commercial market, MecFlow.

MecFlow is a simple, reliable alternative to traditional water supply systems. It is a multi-layer, WRAS-approved PPR pipe, that has been designed for strength and durability, while holding a fire classification rating of B–s1, d0 making it suitable for multi-occupancy and tall building projects.

What sets MecFlow apart from similar plastic-based systems is the use of innovative CLICKWELD technology that combines all the benefits of an electrofusion weld with clip connections. This technology will provide a new way to design, build and install complex water supply systems, and couldsave project managers up to 75% of on-site install time when compared to traditional installation methods.



MecFlow components are supplied to the project site as a complete kit for quick assembly and connected in position.The use of clip connections removes the need for clamping and allows for repositioning before the final welding.



Once the installers are satisfied that the system is correctly configured, an electrofusion weld is then used to secure it in place.

Steve Bamforth, Strategic Project Development Director at Polypipe Building Services, said: "We've been working hard to leverage our expertise in plastic pipework systems to bring our customers more. MecFlow with CLICKWELD technology represents a leap forward in water supply systems available in the UK commercial market."

Visit www.polypipe.com/mecflow

BIODIGESTER
sewage systems for the modern world

SEWAGE TREATMENT ESTABLISHED 1987

THE MODERN 'ENVIRONMENTALLY FRIENDLY' ALTERNATIVE FOR SEPTIC TANKS AND CESSPOOLS WHERE 'MAINS DRAINAGE' IS NOT AVAILABLE

ECONOMICAL 'ODOUR FREE' OPERATION

'T' RANGE BIODIGESTERS IN EIGHT SIZES 6 - 42 PERSONS

RECOMMENDED FOR VARIABLE LOADINGS

EXTENDED EMPTYING INTERVAL

CE MARK CLASS 'A' APPROVAL - USA

SIMPLE UNDERGROUND INSTALLATION

WIDE RANGE OF LARGER BIODIGESTERS ALSO AVAILABLE



SIMPLY THE BEST!

BURNHAM ENVIRONMENTAL SERVICES LTD
BURNHAM-ON-SEA, SOMERSET TA8 2HW
TEL: 01278 786104 EMAIL: SALES@BIODIGESTER.COM
WEBSITE: WWW.BIODIGESTER.COM



Uni:Gem

Unique septic tank to sewage treatment plant conversion unit

CE

- Converts a polluting septic tank into a fully functioning sewage treatment plant without the need for removing and replacing the old tank or building a drainage field
- Tested to EN12566-3 / EN12566-6 and **CE-marked** to ensure compliance with environmental and Building Regulations requirements
- Outstanding effluent quality of **12.25:16:14.845 (BOD:SS:NH⁴)** ensures discharges well within national consent standards

+44 (0)1933 654582 | sales@marshindustries.co.uk
www.marshindustries.co.uk



ALTRO NOW A RECOMMENDED SUPPLIER OF FLOORS AND WALLS FOR PROCURE22

Altro has been appointed as a recommended supplier of vinyl and resin floors and floor accessories on the Department of Health's ProCure22 Framework for NHS and social care construction schemes in England. Altro floor systems, including Altro Orchestra, Altro Aquarius and Altro Wood Safety, are recommended for use throughout healthcare environments. This follows Altro's appointment in 2018 as a recommended supplier of wall and door systems, including the Altro Whiterock and Altro Fortis systems.

The ProCure22 (P22) process is designed to achieve improved value for money and reduce exposure to risk through a simplified capital procurement procedure.

With up to 20-year product guarantees, Altro can ensure healthcare environments provide an impervious, hygienic and durable environment, meeting the stringent requirements in critical hygiene areas. With a vast array of colours, including wood-look designs, a warm and welcoming environment can be created to reduce stress and improve patient and staff wellbeing, without compromising on hygiene standards.

Altro provides a wide selection of floor solutions that can be used in all areas of health and care environments, including specialist safety solutions for areas with a high slip risk, including bathrooms and kitchens.

Altro has also been awarded DSDC accreditation, and is the only manufacturer to have HACCP approval for both floor and wall products.



Mark Johnstone, Head of Commercial, UK, Middle East and Ireland says: "Altro pioneered hygienic wall sheets and safety flooring, and we have over 60 years of experience providing solutions in health and care environments, including many projects within the NHS and social care. We are proud to have our floor and wall solutions included on the Procure22 Framework. Our floor, wall and door systems are recognised as cost-effective and durable solutions for health and care, and work together to create a hygienic environment that is designed to support the wellbeing of patients, staff and visitors."

www.altro.co.uk



FUTUREBUILD 2020:
BE THE CATALYST FOR CHANGE

: FUTUREBUILD 2020

Recent climate change demonstrations and government declarations make one thing clear, we need to come together to take action against the climate change challenges we are facing.

Against this backdrop, Futurebuild 2020, held from 03-05 March at ExCeL London will inspire industry professionals to come together, be the catalyst for change that's needed and deliver a more sustainable built environment.

SETTING THE AGENDA

The industry-leading conference programme returns for 2020, with the climate and ecological crisis leading conversations.

Unmissable sessions in the Arena will include 'Professional Collaboration: Do it together' developed in partnership with the Chartered Institute of Architectural Technologists (CIAT). This session on day three (05 March) will bring the presidents of the institute together to discuss how those working in the built and natural environment are currently responding to the climate and ecological emergency, and ongoing plans for the future.

Another key session is: 'The future is regenerative' chaired by Peter Murray, Chair of New London Architecture (03 March). It will explore how design and construction needs a circular rethink. On day two (04 March) London Mayoral Candidate Rory Stewart will sit on a panel looking at 'Carbon neutral cities of the future' and examine the pathway to healthier, more resilient cities.

While conference discussions will focus on the biggest issues facing the built environment at a macro level, the six Keynote Stages will look at the specific challenges impacting Buildings, Offsite, Energy, Interiors, Resourceful Materials and Critical Infrastructure. This programme of solution-driven sessions will share the latest thinking and research, to educate, inform and inspire visitors to make a positive change.

The six Keynote Stages will address the following challenges:
Buildings: retrofitted, re-used, net positive and built to perform
Offsite: reliability and efficiency combined with creative placemaking
Interiors: sustainable and health promoting
Resourceful Materials: thinking circular to reduce, reuse and recycle
Energy: accurate data for carbon accounting and reduced clean energy usage
Critical Infrastructure: delivering integrated green, grey, blue and social infrastructure

Within the Buildings area at Futurebuild 2020, visitors will have the chance to explore and discuss the latest building technology, innovations and legislation. Showcases will cover everything from retrofit to re-use, to future plans for net-positive buildings.

The 2020 Buildings section will feature two new showcase areas, the Whole House Retrofit Zone and the Digital Impact where visitors will be able to explore new refurb and retrofit solutions and the latest developments in digital construction.

Connecting the whole event will be the Innovation Trail – a guided route where visitors will discover innovative products, solutions and materials and meet the leading thinkers behind them.

Futurebuild has partnered with brands who share the common purpose of finding solutions to the biggest challenges currently facing the build environment. These include ACO Technologies, Smart Systems, CEMEX, Steico and Hadley Group.

Martin Hurn, Event Director at Futurebuild, comments: "The responsibility for tackling the climate emergency lies in all of our hands and we must collaborate in order to find solutions to secure our future. Futurebuild 2020 provides the perfect platform for forward-thinking decision makers across the built environment to come together and play a key part in driving positive change.

"We understand that taking time out of work to attend events can be a challenge, which is why we will make sure that visitors can really get involved across a number of levels, from the world class knowledge programme in the Arena and on the Keynote Stages, to the showcase of the latest innovations across the exhibition. Innovation to us is more than just futuristic concepts, it's about sharing the latest thinking and ideas, processes and solutions, products and materials. All of these things coming together under one roof at Futurebuild 2020 will inspire people to do things differently and create real change."

For more information about Futurebuild 2020, the home of innovation, visit www.futurebuild.co.uk.



> FUTUREBUILD 2020 PROVIDES THE PERFECT PLATFORM FOR FORWARD-THINKING DECISION MAKERS ACROSS THE BUILT ENVIRONMENT TO COME TOGETHER AND PLAY A KEY PART IN DRIVING POSITIVE CHANGE.

futurebuild

03 - 05 March 2020 / ExCeL, London



RESPONDING TO THE EMERGENCY

making the transition to a

ZERO CARBON WORLD

Join 27,000 industry influencers and shapers with the power to change the future of the built environment.

ACT NOW

Get your ticket and be part of the industry's catalyst for change

www.futurebuild.co.uk

@FuturebuildNow /FuturebuildNow /FuturebuildNow /FuturebuildNow FuturebuildNow



SELECTAGLAZE AT FUTUREBUILD 2020

Futurebuild draws together over 25,000 visiting industry experts from all areas of the built environment supply chain. This event affords visitors the opportunity to learn about the latest products, discover cutting edge technology as well as connect and build relationships for the future.

Selectaglaze will be showcasing a variety of secondary glazing products at Futurebuild from the 5th – 7th March, ExCel London at Stand C22. Selectaglaze's Technical Advisors will be available to answer any secondary glazing questions.

Selectaglaze secondary glazing systems using low emissivity glass can reduce heat loss by more than half and achieve a U-value of around 1.9. With sealed unit glazing this is further reduced, and a figure as low as 0.8 can be achieved.

Bespoke manufacture and high-performance seals ensure the tightest fit, reducing air infiltration and almost eliminating drafts.

Secondary glazing is also an efficient method of reducing background noise, helping create a more relaxed environment. Sound travels through a primary window by a vibration of the glass. Adding secondary glazing forms a cavity, which reduces resonance and provides a second barrier for the noise to travel through.

Selectaglaze secondary glazing creates a second barrier of protection from the inside that can prevent the most determined thief or even protect the occupants from the effects of bomb blast.

Founded in 1966,Selectaglaze is acknowledged as the leading UK specialist in Secondary Glazing. As testament to the quality of its service, product range and knowledge, a Royal Warrant was granted in 2004. It boasts a wealth of knowledge and a range of extensive products to suit all projects from Listed properties, to new builds. The company offers a wide range of tested products. A free technical advisory service is offered and a RIBA approved CPD is available to architects and designers.

Contact Selectaglaze on 01727 837271/e mail: enquiries@selectaglaze.co.uk or visit: www.selectaglaze.co.uk

By Appointment to Her Majesty The Queen Manufacturer and Supplier of Secondary Glazing Selectaglaze Ltd. St Albans

selectaglaze
Secondary Glazing

Secondary glazing seamlessly integrated to make your environment:

Warmer | Quieter | Safer



- Reversible adaptation for Listed and heritage buildings
- Exemplary thermal retention and draught insulation
- Most effective method of sound proofing
- Secured by Design accredited
- Bespoke treatments

futurebuild

We're exhibiting at Futurebuild 2020. Visit us on stand C22

T: 01727 837271
E: enquiries@selectaglaze.co.uk
www.selectaglaze.co.uk



THE CHANGING **FACE OF BIM**

: ASSA ABLOY



BIM (Building Information Modelling) has been prevalent for a number of years now, but how is it being used in practice? And what advancements are being made to ensure it is making tangible benefits to all stakeholders in the supply chain? Here Eric Spooner, BIM Manager for ASSA ABLOY Opening Solutions Project Specification Group, explores.

BIM is changing the building landscape, bringing with it improvements in design, specification, delivery and asset management. According to NBS' National BIM Report 2019, BIM adoption has grown from little more than 10% in 2011 to around 70% in 2019.

However, we must be careful that BIM is not undertaken as a 'tick box' exercise, but rather seen as an important tool for collaboration, delivering tangible benefits for all stakeholders.

In many ways, BIM is old news, and as is often the case with any building practice that has been legislated for, it becomes less about the benefits of meeting it and more about the missed opportunities of not implementing it properly.



Collaboration and the sharing of data is vital to the success of BIM. At its heart, BIM is a tool that reduces waste and risk of error, and facilitates the sharing of detailed information throughout the design, construction and operational phases of a project, which ultimately results in more efficient buildings.

When it comes to doorsets and ironmongery in particular, using BIM-enabled tools such as ASSA ABLOY's Openings Studio™ can truly unlock the potential of BIM.

At the specification stage, tools such as these can drive efficiencies in creating door schedules because they are integrated and can be linked to fire certifications and energy performance documents. Having one easily accessible source allows architects and specifiers to update relevant information automatically without having to manually input each specification, saving time and money.

Contractors can then view all this information to assess precise quantities, pricing, compliance, links to supplier websites and installation instructions. In addition, contractors are also able to track the status of installations across the project much more effectively.

And finally, these tools ensure post-construction processes – such as environmental accreditations and handovers to facilities managers – are managed effectively. Not only this, but the ongoing performance and maintenance of the building may also be monitored via QR codes and a weblink to where all documents and certificates are located. This means that when a site gets audited, all information is easily accessible.

Clearly, BIM-enabled tools are essential in keeping projects on track, reducing the as-built performance gap, initiated by the collaboration of architects and specifiers and monitored by facilities managers. Indeed, tools that can be utilised across the whole supply chain add considerable value to any project, as well as encouraging investment, innovation and growth throughout the industry.

So it is clear that when the BIM process and related technologies are implemented correctly, they bring many benefits to a project. Use of tools such as Openings Studio enables collaboration, breaking down silos and forming a new approach to information development and distribution. This is an exciting time, and we must now take advantage of it to help create a step-change in productivity, transparency and quality within the building industry.

For more information on ASSA ABLOY Project Specification Group's BIM-enabled Openings Studio software for the entire building lifecycle, please call 0845 071 0882, email ukspecification@assaabloy.com or visit https://www.assaabloy.com/en/com/solutions/openings-studio/.

CASE STUDIES

Over the past five years, ASSA ABLOY Project Specification Group has worked on numerous projects in the UK and worldwide to utilise its Openings Studio BIM-enabled software to great effect. The time and cost savings seen have been overwhelming, including:

A commercial and residential development based in London consisting of over 1,300 units and more than 7,000 doorsets, saving weeks of time and manpower.

A hospital build in London consisting of over 1,600 door openings, saving the architects two weeks of work as Openings Studio was able to update the door schedule with ironmongery sets in just 10 minutes.

A residential apartment building project in Manchester that saw the update of a 1,400 doorset schedule being undertaken within five minutes as opposed to the traditional workflow of five days.

A primary school build and a secondary school build where the Project Specification Group team worked in close collaboration with the architects at every stage. This saved the architects from having to invest in expensive commercial licences, as ASSA ABLOY provides these at no cost to architect clients as part of the Openings Studio plugin and specification consulting service.



BIM IS CHANGING THE BUILDING LANDSCAPE, BRINGING WITH IT IMPROVEMENTS IN DESIGN, SPECIFICATION, DELIVERY AND ASSET MANAGEMENT.



RINNAI HOT WATER – RELIABLY INSTANT, ENERGY EFFICIENT - AND LOWER FUEL COSTS FOR UK HOMEOWNERS

Rinnai's range of ErP A-rated continuous flow gas-fired hot water heaters now includes models specifically aimed and designed for the UK domestic market. The units guarantee high efficiencies and low running costs combined with consistent water temperatures seven days a week.

Rinnai's range of continuous flow water heating units are being specified and installed in the whole range of domestic properties – studios, flats, houses, high-end residential houses - as installers and end users become aware of the ease of installation, and the energy & cost saving benefits.

Rinnai manufactures over 2million water heaters every year and as such is at the forefront of creating unit cost advantages for installers. Competitively priced, the units offer all technological advances and innovations, all at a similar cost to lower specification competitor models.

The reason for the increase in popularity is that continuous flow heating systems are proven to be more energy efficient than conventional ones and are now the preferred method of hot water provision. Rinnai units meet the demands of any size of home and are ideal where high volumes are demanded at intermittent times of the day, delivering safe temperature useable hot water.





Rinnai's multipoint 17i water heater, for example, eliminates the problem of sudden changes in water temperature, resulting in cold showers or scalding hot baths – the water temperature you set is the water temperature you get. So, if somebody is happily showering at 42°C and a tap is turned on to draw a bath elsewhere in the property, the temperature does not vary, and there is no chance of either user running out of hot water.

The Rinnai 16i interior model measures just 675 x 370 x 139mm and weighs in at 18kg - a one-man lift. The room-sealed unit has a temperature range of 35°C to 60°C with direct electronic ignition. Gas consumption ranges between 4.7kW-6.5kW for Natural Gas and 4.9kW-36.8kW when using propane. Hot water delivery flow is an impressive 16ltr max flow. Nominal operation pressure is 1-7 bar and it uses a 230V AC 50Hz 1ph power supply with an electrical consumption of 68W.

Meanwhile, where an external installation is required, the Rinnai 17e external multipoint water heater offers greater flexibility at the design stage and offers a viable solution where flue runs are problematic or internal space is not available. Capable of flow rates of up to 510 litres per hour at a 50°C rise, the 17e is suitable for multiple applications and can be specified for use with Natural Gas or propane.

The 17e has full frost protection and is available with a range of external ancillary items, including pipe cover box – and security cage where necessary.

For smaller properties, the Infinity 11i interior unit differs from the 17i as it weighs 2kg less at 16kg and consumes 6.10kW-21.60kW of Natural Gas and has an 11-litre maximum flow.



Key features of the 24kW Rinnai 11i are: Compact & lightweight unit for easy installation; Robut, durable heat exchanger; User friendly digital controls; In-built frost protection; Ideal replacement for large obtrusive and bulky cylinder; Compact design to fit a limited space.

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

RINNAI'S ENERGY EFFICIENT MULTIPOINT WATER HEATER - NEVER RUN OUT OF HOT WATER AGAIN!

Now available for domestic applications from Rinnai are the 11i A+rated continuous flow gas fired water heaters, with high energy efficiencies, low running costs and a consistent delivery of temperature accurate water.



Rinnai makes over 2million water heaters per year and as such is at the forefront of creating unit cost advantages for installers. The units are probably the most competitively priced type of their kind currently available on the UK market.

The Rinnai 11i is a modern-day variant on the multipoint water heater - plus all technological advances and innovations - yet at a very similar cost to its lower specification counterparts.

Increasingly, installers are recognizing the benefits of Rinnai's modern-day variant on traditional water heating solutions in terms of the cost effectiveness of these high performing multipoint appliances.

Rinnai's multipoint water heaters are far more energy efficient than outdated storage systems and are the preferred water heating method of choice in domestic properties and light commercial sites such as, cafes, pubs, restaurants and other smaller to mid-size outlets.



The increase in popularity is quite simple – these units deliver high volumes of water instantly at any time of the day, or night, all at accurate temperatures for user comfort and safety. They are also easy to operate and simple to install and maintain.

These Rinnai multipoint water heaters, for example, eliminate the problem of sudden changes in water temperature, resulting in cold showers or scalding hot baths – the water temperature you set is the water temperature you get. So, if somebody is showering at 42°C and a tap is turned on to draw a bath elsewhere in the property, the temperature does not vary, and there is no chance of either user running out of hot water.

The lightweight 15kg 11i water heater is compact enough to install in the smallest of spaces and is the ideal replacement for large obtrusive cylinders. Featuring easy to use digital controls this small but robust and durable unit is also simple to install.

The unit draws down 6.10kW – 21.60kW of natural gas and has an eleven litre per minute maximum flow. Internally wall mounted the 11i water heater measures 675mm high x 370mm wide x 134mm deep.

For more information visit www.rinnaiuk.com

CONSORT CLAUDGEN

Our stylish, modern and practical electronic 7-day timer heaters offer efficient and intuitive heating control. A new range with RF receiver is now available for multizoning with our MRX1 multizone controller.



Range includes Low Surface Temperature heaters

Electronic 7-Day Timer Heaters

Programmable 7-day timer and thermostat
Offers a programmable 7-day timer with 6 heating periods per day. Each heating period can be set with different temperature setting.

Open window feature
Once enabled in the setup, the open window detection is fully automatic and does not require any human intervention to be activated.



Copy day function NEW
For duplicating the same set of programmes throughout the week.

Electronic child lock
Designed to prevent tampering with controls.

4 operating modes
Programme, Boost, Setback and Manual.

NEW Find out more about our new range of custom-built E-heaters with an RF receiver!

01646 692172 sales@consortepl.com www.consortepl.com

Beautiful Designer Ceiling Fans



Powerful - Stylish - Reliable - Silent



MrKen Cosmo HVLS Eco 3m Ceiling Fan for:
• Garages • Large shops • Warehouses
• Industrial • Barns • Sports halls

THE HENLEY FAN COMPANY LTD

01256 636 509
www.henleyfan.com

The comfortable solution for warmth where you want it, when you want it... guaranteed



♦efficient
♦controllable
♦professionally installed
♦nationwide suppliers
♦ideal for conversions & retrofits

electrical underfloor heating by

SPEEDHEAT

comfort from the ground up

Speedheat UK
Iona House, Stratford Road,
Wicken, Milton Keynes, MK19 6DF
tel: 01908 562211 email: info@speedheat.co.uk

www.speedheat.co.uk

Cool Radiators

The stylish, elegant & intelligent radiator cover solution



Timber | Painted | Laminate

Request a brochure at
www.coolradiatorscovered.com

OVER FOUR DECADES OF SUPPLYING
LONDON'S FINEST FIREPLACES

Real Flame have spent the last 45 years working with the UK's talented Interior Designers and Architects to provide the most innovative and striking fireplaces across London.

With both a comprehensive product portfolio and a dedicated experienced engineering team we offer a complete service from Building Regulation Advice, Collaborative Design, Bespoke Specification, Manufacturing and Complete Onsite Installation. Providing any professional with the full confidence that regardless of the clients expectations we can supply the correct level of product and service to make those expectations a reality.

Our Products include Bespoke Realistic DFE Gas Fires, bespoke Flue & Fan Systems, Wood Burning Stoves, market leading Bio Ethanol Fires inclusive of a dedicated Remote Control Range of products which have a fantastic premium feature set.

Utilising our fantastic showroom in Fulham we welcome you to visit with or without your client where your latest project can be discussed in detail and we can explore the options available even prior to setting a foot onsite. A site survey always follows suit, our experienced engineers meeting yourself and your contractor to discuss what works may be required in preparation for the new fireplace. As always, we provide a full preparation package to be passed to the contractor for them to follow, this includes key notes as well as detailed CAD drawings when required.

We look forward to working with you.



www.realflame.co.uk

---

80 New Kings Road
Fulham
London
SW6 4LT

RealFlame
England's Finest Fires

020 7731 5025
sales@realflame.co.uk
www.realflame.co.uk

- 45 Years of Industry Experience
- Comprehensive Fulham Based Showroom
- Full Bespoke Product Portfolio
- Collabrative Design with Interior Designers
- Building Regulation Assistance
- Complete Supply and Installation Service
- Working with British Based Suppliers
- Industry Leading Procurement Time Lines



ISOPRO® AND ISOMAXX®

BALCONY CONNECTION SYSTEMS

Improved Insulation Performance
Higher Load Capacity and Faster Installation

Trust in the best thermal insulation - with our proven **ISOPRO®** and **ISOMAXX®** concrete balcony connection systems.

- Cost-effective, high-performance components
- Faster installation with no need to tape joints
- Easy to cut to length when needed
- No moisture absorption by the insulation layer to reduce performance
- Very low deflection at the connection to the structure
- Comprehensive engineering support
- Up to 120 minutes fire protection

Need a high-quality and cost-effective insulation system for your current project?

Contact us today to learn more, or visit our website at **www.jp-uk.com**



J&P Building Systems Limited
Thame Forty, Jane Morbey Road,
Thame, Oxfordshire OX9 3RR

01844 215 200
www.jp-uk.com
enquiries@jp-uk.com

J&P Building Systems Ltd. is a subsidiary of:

- H-BAU Technik GmbH
- JORDAHL GmbH

EXQUISITE FIREPLACES THAT **DON'T COST THE EARTH**



With a focus on sustainability, eye catching design and technical innovation, Glamm Fire are moving the bioethanol fireplace market from an eleventh hour rescue product to the first choice above traditional gas or solid fuel options.

With environmental concerns rightly coming to the fore, bioethanol offers the perfect alternative to gas and wood. Derived from plants and only producing small amounts of water vapour and CO_2 and no noxious gases, it is a carbon neutral fuel source that provides a sustainable, efficient heating solution.



Bioethanol fires give unrivalled freedom when it comes to the positioning as it needs no chimney or flue due to the clean burning nature of the fuel. Suspended, wall mounted, free standing, inset or bespoke, there is a product available for any environment. Glamm Fire have continually pushed the envelope of innovation with the introduction of remote controlled units, pre insulated inserts, displaced fuelling systems and the world's first suspended automatic bioethanol fire. This, paired with increased efficiencies, easier installs and no servicing, is moving bioethanol fires firmly into the position of a must have product.

Smart Fire UK are the exclusive UK distributor for Glamm Fire. For further information on their range or to book a visit to their London showroom please contact 020 7384 1677 or sales@smartfireuk.com



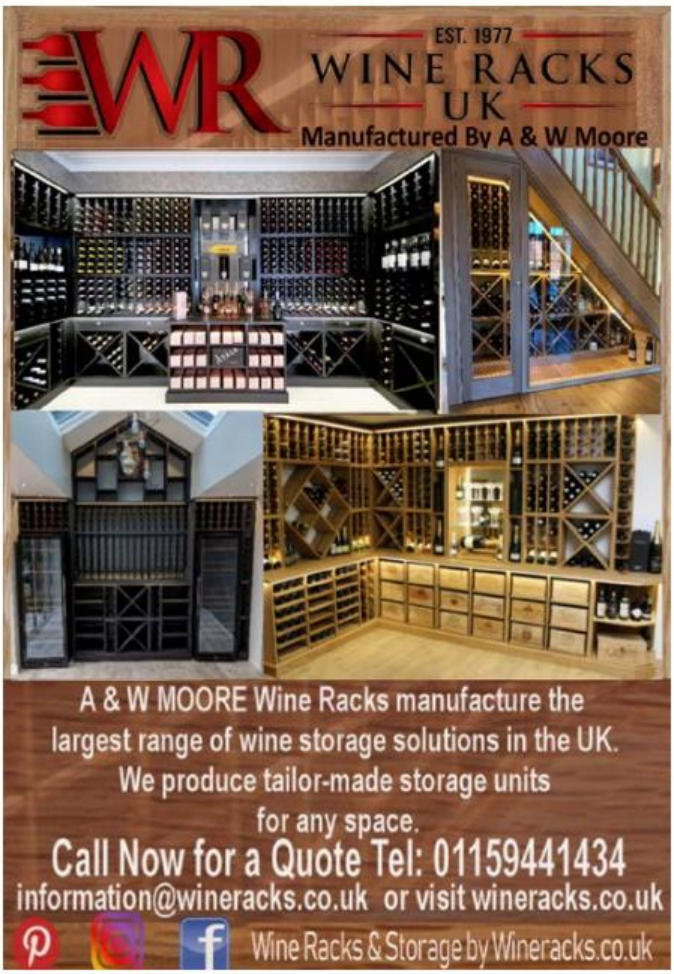
A & W MOORE



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 ofsolid oak wine racks, solid pine wine racks, traditional wood & steel wine racks or all metal wine racks to find your perfect fit.

For more information Tel: 0115 9441434, email: information@wineracks.co.uk, visit our website www.wineracks.co.uk. Follow us at www.instagram.com/awmwineracks and www.pinterest.co.uk/AWMWineRacksUK/pins/



USING CABERDEK WITH CABERFIX X-TREME TAPE IN WINTER

What is CaberFix X-Treme Tape?
CaberFix X-Treme Tape is a tape designed for use with CaberDek chipboard flooring in cold and wintry conditions.

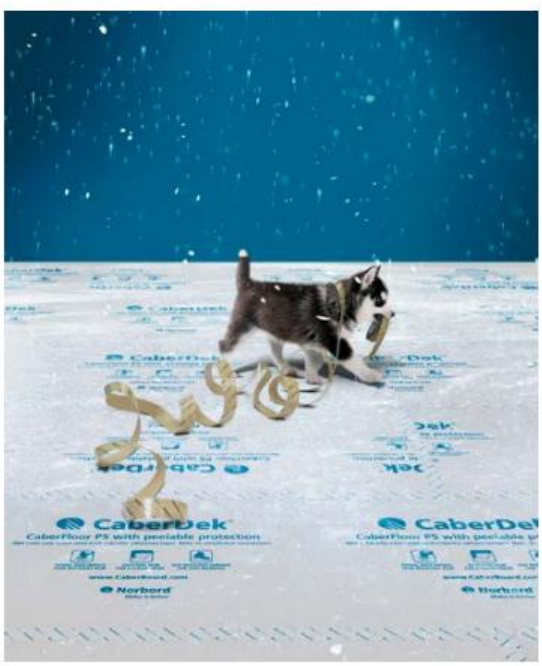
Is this installed in the same way as the standard CaberFix Tape?
X-Treme tape can be applied in the same way as CaberFix Tape – applying it over the joints of CaberDek film and over the boards' exposed edges on the perimeter to create a waterproof chipboard floor deck.

When would CaberFix X-Treme Tape be used instead of the standard CaberFix Tape?
The standard cloth tape, CaberFix Tape, is made with an adhesive that has reduced performance at temperatures below 8°C. CaberFix X-Treme Tape should be used as an alternative in colder conditions for optimum performance.

What properties make CaberFix X-Treme Tape so good for cold conditions?
It contains a super strong acrylic adhesive that has a high initial tack and will not crack in extreme weather conditions, keeping the board waterproof. CaberFix X-Treme Tape works in extreme temperatures as low as -21°C. Though it does not bond to ice, X-Treme Tape bonds well in damp conditions, displacing water, and its scruff resistant properties means it won't lift with foot traffic.

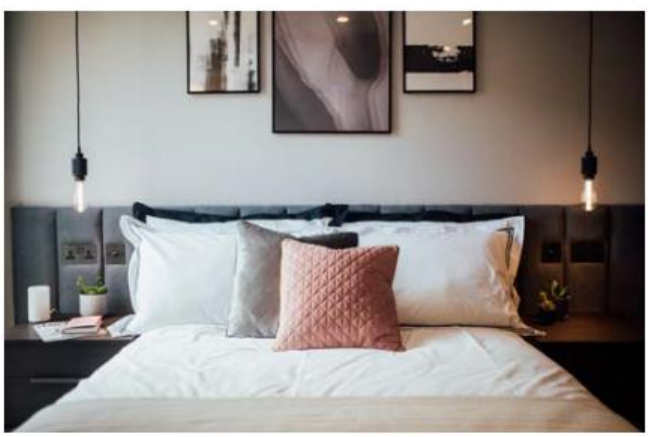
What tests have been done with X-Treme Tape?
X-Treme tape has been tested on-site by house builders during extreme frost and ponded boards. It has also been tested at BBA for long-term immersion.

Will the CaberFix X-Treme Tape still result in a BBA-certified floor?
X-Treme tape is covered by, and has been tested by the BBA. When installing CaberDek chipboard flooring the tape must be used in conjunction with CaberFix D3 glue in the T&G joints, and CaberFix Joint&Joist glue to bond the board to joists to receive the BBA certification. Correct installation ensures CaberDek will be protected from weather, moisture and construction mess up to 42 days whilst retaining its BBA guarantee, after which the film can be peeled away leaving a clean chipboard floor ready for carpets or laminate.



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







FX LUXURY RESIDENTIAL
DEVELOPMENT, BELFAST

: DAY TRUE

Specialists in interior solutions for developers and the professional market, with a unique approach to kitchen and bathroom design, Day True were appointed as lead interior architects and designers for FX; a collection of single bedroom luxury residences in Montgomery Street, Belfast.

With a brief to design for modern, London-style living, to suit a broad audience including busy, travelling professionals, the award-winning team at Day True meticulously planned and supported the FX developers to deliver attractive, light and spacious apartments, with a difference.

Through Day True's distinctive approach to kitchen and bathroom design, spatial planning and product selection, the experienced and knowledgeable team created inspiring and functional residences that enhance lives. Delivering impact upon entry, each intelligently designed apartment is framed by elegant open plan kitchen living, maximising the potential of the space and adding crucial value for the client. Every last detail, from the kitchen surfaces to the bathroom brassware, was carefully considered in order to create intelligent, layered, enduring design with performance at its helm. Specifying a variety of products from the UK and Europe's leading designers and manufacturers, whilst adhering to a set budget, Day True enabled the client to market the residences at a higher value, resulting in an impressive 70% of the properties being sold before the development had completed.

Setting the visual and aesthetic tone for each apartment, the matt grey Rotpunkt kitchens were combined with marble-effect composite worktops which came complete with top of the range Siemens appliances and induction hobs for efficient living. With herringbone engineered floors throughout and Buster & Punch ironmongery, the simple, yet design led décor offered a timeless approach. The bathrooms were styled with premium finishes and materials including Rexa Design Corian basins, Hansgrohe's Axor brassware, Tubes black heated towel rails and Catalano WCs. Bespoke tiled floating vanity shelves, marble-effect tile walls and black framed shower screens completed the hotel-inspired bathrooms. Built in wardrobes by Jesse finished the neutrally decorated bedrooms for a minimalist aesthetic, which offered essential storage solutions.

With Day True's distinctive approach to interior design and addition of their spatial planning services, buyers were offered timeless, functional living spaces that placed the pleasure of living firmly at centre stage. Offering developers, a reliable service and continuous support, Day True is committed to creating exceptional kitchen, bathroom and interior solutions for the professional market.

www.daytrue.com





DELIVERING IMPACT UPON ENTRY, EACH INTELLIGENTLY DESIGNED APARTMENT IS FRAMED BY ELEGANT OPEN PLAN KITCHEN LIVING, MAXIMISING THE POTENTIAL OF THE SPACE AND ADDING CRUCIAL VALUE FOR THE CLIENT.



PENSON DELIVERS SPORTS DIRECT'S NEW LONDON OFFICES

: PENSON

PENSON, the Architecture and Interior Design Studio whose visionary projects include new hospitality brand JO&JOE and Google's UK HQ has turned its expertise to Sports Direct International's new London offices.

Working closely with Michael Murray, the retailer's Head of Elevation, PENSON has created a unique interior experience over four floors, designed to promote a retail connection in an inspiring and sleek environment.

The London office sits above its newly opened luxury Flannels' flagship store in Oxford Street and has been designed to spearhead the elevation of the group, bringing together the creative teams across Sports Direct International Plc.

The build brings together retail teams with four floors of reconfigurable – super flexible – office space. The working areas are combined with photographic studios, event spaces, staff forums and a restaurant.

Images: Bartosz Dworski



PENSON has also holistically integrated tech, flexibility, furniture procurement, health at work strategies and internal brand messaging.

'Living above the shop' on Oxford Street gives the Sports Direct Group staff a physical connection to their customers and ensures they remain firmly on the retail pulse.

Reception sets the tone of the HQ with a striking entrance façade, bespoke reception desk, hints of sleek red detailing and monochromatic surfaces. Polished and raw concrete walls, white gloss floors and digital screens give the open plan workspaces a minimalistic studio feel.

Taking inspiration from retail, digital backdrops, light boxes, bright artwork, projections and hi-tech lighting work together to create fluidity in the spaces, as well as interactivity. Circular desks, sofas and reconfigurable settings encourage movement and collaboration in work areas.

"The team looked at the ergonomics of a pair of trainers to influence the flexible layouts", said Lee Penson, CEO of PENSON, "spaces fit to individuals' needs while offering a hybridity of choice."

The retail connection continues on level six where the space includes retractable walls, illuminated artwork and event lighting. Nestled among comfy lounge seating, the restaurant serves up fresh food all day, but reconfigures for product launches, catwalks and brand events, thanks to the innovative moving walls. Huge floor to ceiling windows open out to a tranquil terrace and vistas over Oxford street below.



SUPPLIER LIST

FURNITURE: B&B Italia, Task Systems, Frei Frau, Icons of Denmark, Andreu World, Poiat, Lapalma, FAMO, Moroso, Tacchini, Nüvist, Fredericia, Magis, Matière Grise, Profim.

LIGHTING: XAL, Nulty +
SIGNAGE: Symbius Urban Works

FLOORING: Rubber tyre by Chroma, Microscreed and Poured Resin from Floored Genius

CONTRACTOR: Como

F & B: The Good Food Co.

penson.co/en

> POLISHED AND RAW CONCRETE WALLS, WHITE GLOSS FLOORS AND DIGITAL SCREENS GIVE THE OPEN PLAN WORKSPACES A MINIMALISTIC STUDIO FEEL.



NEW AND IMPROVED – FLOWBRIGHT PLUS

FlowBright Plus is the latest product available from Hydro-flux Aqua Products.

The original FlowBright – our revolutionary water-powered swimming pool light that generates its own electricity – was introduced to the market in 2018, making waves at the International Pool, Spa, and Patio Expo in Las Vegas, Piscine Global in Lyon, and Spatex in Coventry.



While we could not have dreamt for a better reception, we did learn the limitations of our current model and what was needed to take FlowBright to the next level. We needed to find a way to generate more output, increase the flowrate range, and most importantly, enable FlowBright to work when the system is not in operation. Using this information, we have spent the last seven months developing the next generation of water-powered swimming pool lights culminating in our latest product – FlowBright plus.

FlowBright Plus uses the same high-flow, low resistance patented turbine technology as the original FlowBright, however, it has been installed with a large rechargeable battery. Instead of sending the energy directly to the LED, all the power generated will be stored within the battery. Now, when the light is turned on, it will draw its energy requirements from the battery and not from the real time coil generation.

This has several advantages over the original model. FlowBright Plus's rechargeable battery is able to function at much lower flowrates compared with the operating voltage of the LEDs, which enables it to function at flowrates significantly below 6000 l/h. Even more importantly, FlowBright Plus can be used whether the filtration system is running or not. Last but not least, FlowBright Plus will generating a significantly higher performance than the original FlowBright.

www.hydro-flux.com

flowbright

revolutionary water-powered LED pool light

THE FUTURE OF SWIMMING POOL LIGHTING



THE MOST ECO-FRIENDLY LIGHT IN THE WORLD. PERIOD.

DISCOVER MORE

T: 01924 472 665
E: SALES@HYDRO-FLUX.COM
A: UNIT 18 WILTON INDUSTRIAL COURT, 851 BRADFORD ROAD, BATLEY WF17 8NN
W: HYDRO-FLUX.COM

HYDROFLUX







CANOEING **TRAINING BASE**

: PSBA

The canoeing base in Augustów was established in 2019 as the implementation of the winning concept of the architectural competition settled in 2016. The competition task was to create a concept for a water sports center - a canoeist base - and the overall development of the neighboring recreational areas. The investment has been divided into several stages. The canoeing base is the first of them. Finally, the new development of Błonie on the Netta River is still to be built, including a multifunctional sports field, pump track, playground and places for citizens and tourists to get some rest.

LOCATION

The resort is located in the central part of Augustów, on the west boulevard of the Netta River. The facility is located in a picturesque bend of the river, which is a part of the historical Augustów Canal. Around the structure, there are public leisure areas eagerly visited by locals and tourists.

Images: Bartosz Dworski

FORM

The Water Sports Center includes two facilities: a canoe base and a hangar for boats with a platform. The Canoeist Base building is one-story and it seems to be a triangle. The flat roof has a slight slope in the longitudinal direction. The varied height it contains has a reflectional function. It is higher in the warehouse and workshop part and lowers in the rest of it. Its characteristic form has associations with movement and dynamics. The sloping walls create distinctive arcades, highlighting the entrances and framing the views. The visual sight of the building is changing depending on where we look. The dynamic form of the object allows access from a mini stand into the roof of the hangar, where the observation deck is located.

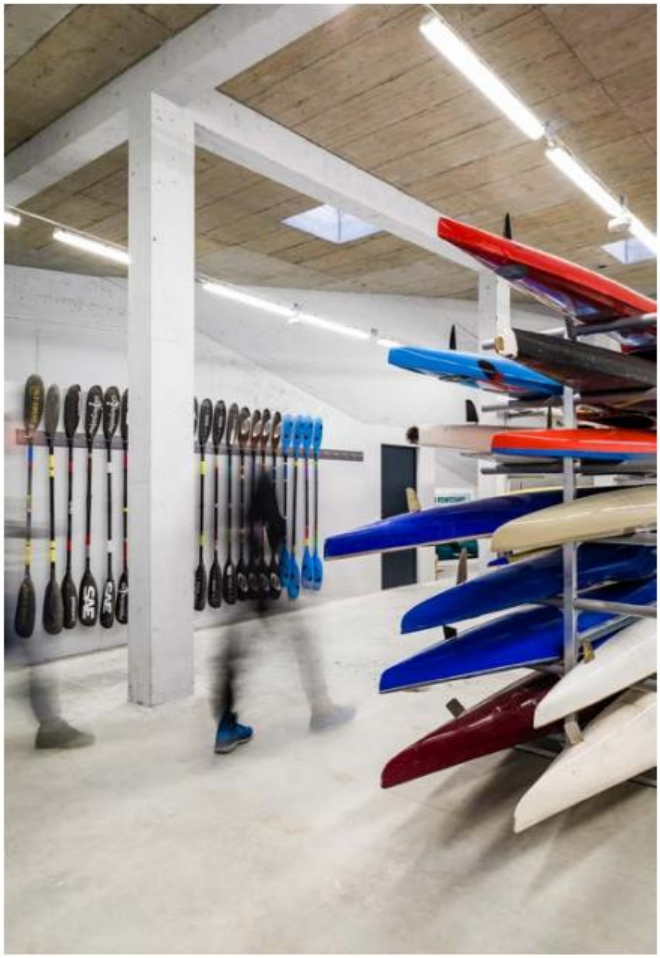
FUNCTION

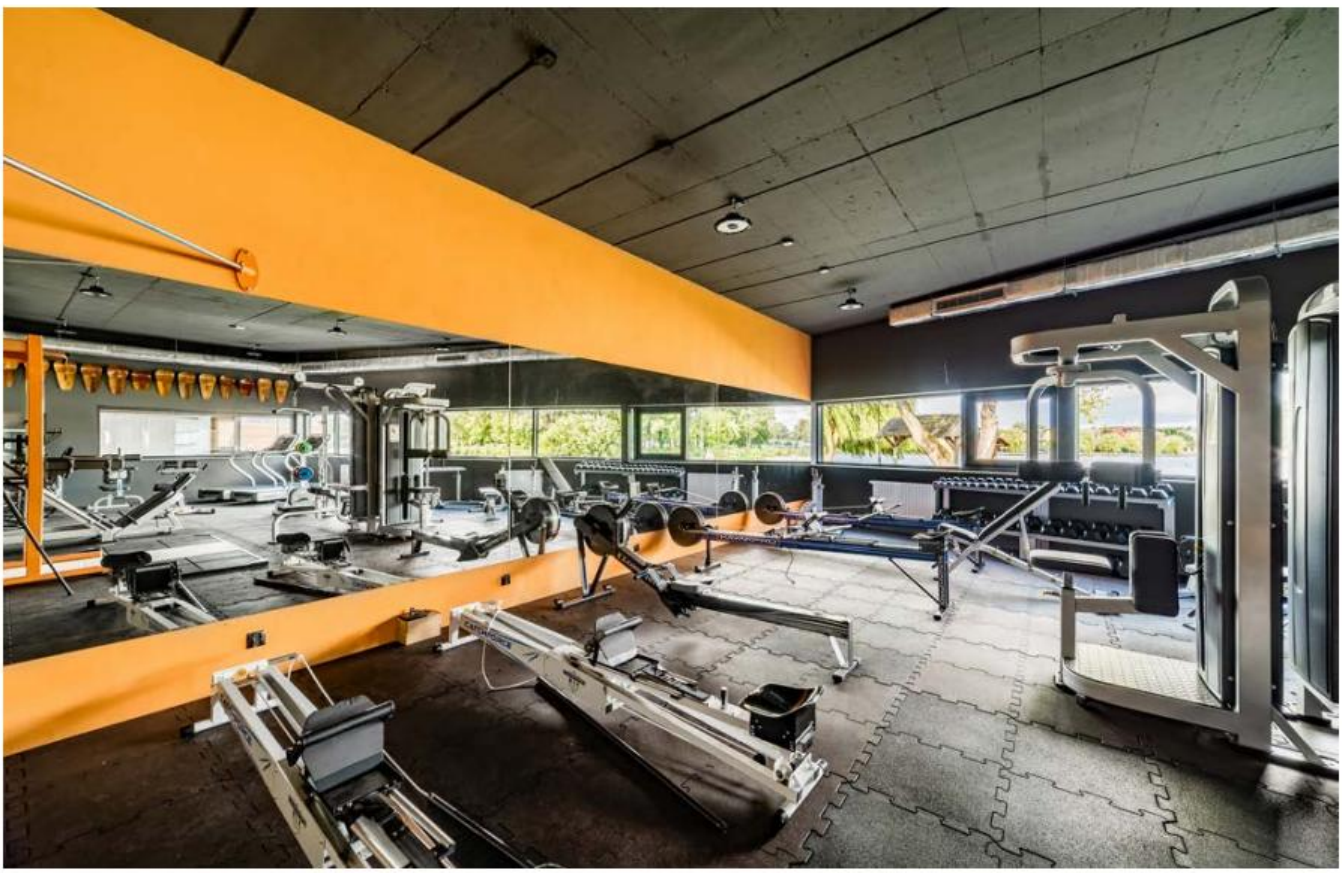
The base building is a place for training and meetings of the local canoe club, as well as a place to organize competitions and sporting events. The base building contains a training facility; cloakrooms; a gym with panoramic water views; club room; sports equipment warehouse and the public toilet. The water hangar building has two platforms for water equipment, a roof stand and a storage space for motorboats.

FINISH

The building from the outside is finished with a board of natural Siberian larch. The horizontal arrangement of boards emphasizes the dynamics of solid and the natural colors help it to enter the surrounding landscapes. The roof of the canoeing base building was made as an extensive, green roof. The interiors have been kept in a strict, minimalistic style.

www.inooni.pl
www.architektpsba.pl





THE BASE BUILDING IS A PLACE FOR TRAINING AND MEETINGS OF THE LOCAL CANOE CLUB, AS WELL AS A PLACE TO ORGANIZE COMPETITIONS AND SPORTING EVENTS.

SMART LIVING PILLAR INSTALLED IN TWYFORD FOR THE DAVID BROWNLOW CHARITABLE FOUNDATION, SUPPORTED BY THERESA MAY



The Scotscape Smartscape team has been working with theDavid Brownlow Charitable Foundationto install this Smart Living Pillar at Twyford, also with the support and endorsement of Theresa May.

Smart Living Pillar is easily installed on lighting columns and street furniture it has been designed to encourage biodiversity into city centres. The patented Fytotextile living wall system supports long term plant growth, the irrigation system is powered using solar energy and installation does not damage the column. The irrigation is recirculating therefore no water wastage. All year round foliage can enhance way-finding and place-making and particular plants can be chosen for tasks such as trapping particulate matter (PM), NOx and Carbon. Bird boxes and insect houses are installed to further establish bird and bee lines back into the centre of our cities. Decorative and seasonal lighting can be installed to add further interest and the water reservoir at the base of the column can support commercial revenue opportunities using signage and sponsorship.

https://www.scotscape.co.uk/services/smart-pillar#What-is-Smart-Living-Pillar?



SIMPLE or SMART
Energy Saving Controls

DANLERS Limited are proud to introduce SMART PIR Sensors suitable to work wirelessly with ecosystems including: CASAMBI, SILVAIR and WIREPAS. These new controls compliment DANLERS highly regarded stand alone controls range which has been simply saving energy for our customers for nearly 30 years.

Whether WIRED or WIRELESS communication is required DANLERS have solutions suitable for most applications: Contact us or visit our website for more information on our lighting controls.

DANLERS
Controls for Lighting & HVAC

T: 01249 443377.
E: sales@danlers.co.uk
www.danlers.co.uk

DANLERS Limited, Vincients Road, Chippenham SN14 6NQ

UK MANUFACTURERS OF STREET FURNITURE



POSTS - HINGED & TELESCOPIC
BOLLARDS - STEEL & STAINLESS
HOOPED BARRIERS
CYCLE STANDS & RACKS
CYCLE SHELTERS
HEIGHT RESTRICTORS
SWING GATES
ARM BARRIERS
SMOKING SHELTERS
SEATING

AUTOPA

01788 550556
info@autopa.co.uk
www.autopa.co.uk
AUTOPA Limited, Cottage Leap, Rugby, Warwickshire, CV21 3XP



BRITISH LED DOWNLIGHTS

Available as GU10 or Engineered versions in high CRI and various optical angles all created in the UK.

WWW.BBLIGHT.Co
Tel 0203 327 0385
A Passion for light and making it work!

DRAWN TO THE DETAIL

STRIKING FITTINGS AND STYLISH ACCENTS FOR YOUR HOME



Dowsing & Reynolds

DESIGN DETAILS MATTER

DOWSINGANDREYNOLDS.COM



IC **OUTDOOR**

MICHAEL ANASTASSIADES

The successful collection designed in 2014 by Michael Anastassiades to give light to indoor environments is now taken outside, in two floor models. IC Outdoor has been adjusted in the materials, finishes and technological waterproof engineering to meet the expected requirements for outdoor lighting fixtures.

I remember watching a short film about a juggler, Tany Duncan, rolling a set of spheres in the palm of his hands and up on his arms. There were moments when the spheres would seem perfectly still, on the edge of his fingers. Only if you looked very closely could you see them spinning around to achieve the balance. Then I came across the old photographs of Paul Cinquevalli, capturing a moment in the art of contact juggling.

Michael Anastassiades

Four finishes for the stem, combined with refined materials for the base, in lava stones or travertino imperiale: precious natural stones quarried in Italy. The lava stone - black, grey and occhio di pernice, is extracted in Sicily, from the quarries on the slopes of the Etna volcano. The variety of surfaces and colours depends on the underground source and treatment. The travertino imperiale stone, from Tuscany, is composed of vegetal fragments and carbonate, and it is characterized by small cavities enhancing the materic aesthetic of the stone. The uniqueness and preciousness of the bases donate to IC Outdoor a natural, refined design, in harmonious dialogue with the colours and materiality of the outdoor spaces.

On top of the thin stem, as if in a balancing act, a blown glass sphere. The IC lamp by Michael Anastassiades has the poetic grace and visionary design quality that have always characterised the work of this Cypriot designer.

www. flos.com

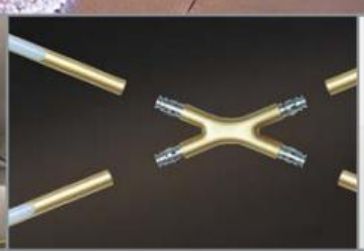
INFINITE POSSIBILITIES













MODULAR

A NEW CONCEPT IN LIGHTING FROM

illuminati

T: 01245 355507 www.illuminati-lighting.co.uk



KENNAWAY ESTATE GRANTED, CHONGQING

: AOE

Chongqing is a poetic land with half of the city, half of the mountain and trees cover thousands of miles. The project is located in Nanshan, Chongqing. Nanshan, located on the south bank of the Yangtze River in Chongqing, has a wealth of tourism resources including natural scenery, cultural landscape, and specialties. In recent years, Nanshan has successively appeared some commercial buildings with cultural connotations such as bookstores and homestays. These buildings are simple in design and distinctive in shape, which has made Nanshan gradually become a synonym for elegant and introverted. And its artistic conception corresponds to Tao's poetry.

In people's haunt I built my cot;
Of wheel's and hoof's noise, I hear not.

How can it leave on me no trace?
Secluded heart makes a secluded place.
I pick fence-side asters at will;
Carefree I see the southern hill.
The mountain air's fresh day and night;
Together birds go home in flight.
What revelation at this view?
Words fail me if I try to tell you.
——Yuanming Tao

Therefore, we refine the traditional architectural culture and natural landscape of Nanshan as the main tempo, and use modern technical language and artistic creation techniques to transform it into our architectural language, so that visitors can experience the artistic conception of " hidden in the nature".

The entire project has two parts, the sales office and the commercial part. The sales office has a small scale but exquisite and delicate. It is naturally engraved and hidden in nature, thus highlighting the concept of "seclusion". The facade uses the perforated plate as the louver to protect the sunshine, and the shape of louver is inspired by the cloud of Nanshan. The perforated leaves float around the curtain wall. It resembles a long scroll landscape painting, and its changes show the shape of the clouds and fog that stretches in the Nanshan. The glass curtain walls with gradual mist and perforated louvers are integrated so that the whole building seems floating in the clouds. At the same time, there are spraying device will create fog around the building every day. It makes the natural fog become another layer facade for the building, creating a wonderland of Nanshan. The building is not only an architecture but a cultural event.

Technical sheet
Project Name:Shanxiao Sales Pavilion, Chongqing
Architecture Firm: aoe
Leader designer & Team:Larry Wen, Liu Chen, Li Pengyong, Niu Zhuojun, Yang Kaiqi
Completion Year:2019
Gross Built Area: 1026²
Photo credits:Huang Ligang
Clients:Lianfa & Sunac

www.aoe-china.com

KEMPEROL®
Liquid Waterproofing

Long term protection for flat roofs, buildings and critical structures

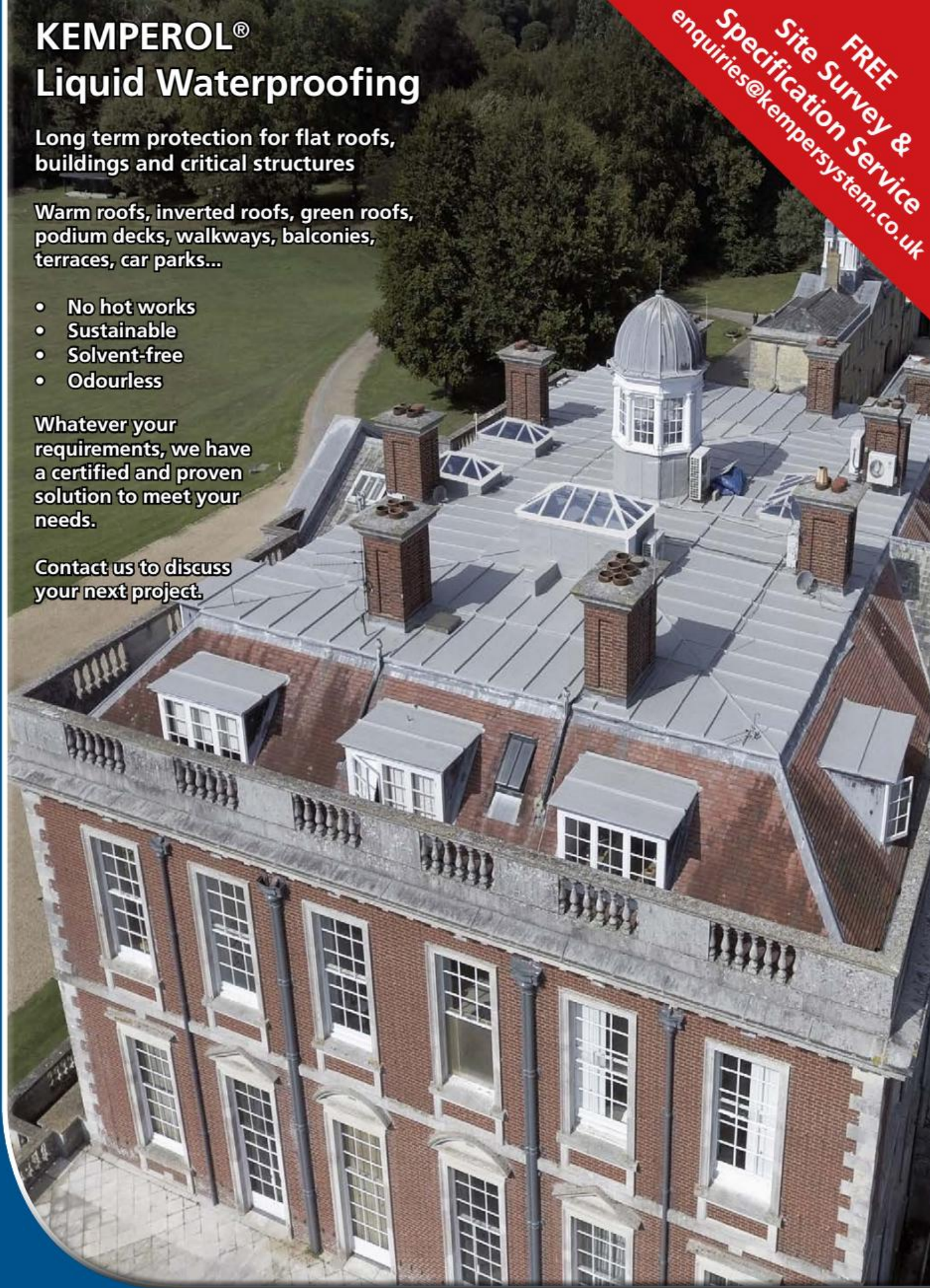
Warm roofs, inverted roofs, green roofs, podium decks, walkways, balconies, terraces, car parks...

- No hot works
- Sustainable
- Solvent-free
- Odourless

Whatever your requirements, we have a certified and proven solution to meet your needs.

Contact us to discuss your next project.

FREE Site Survey & Specification Service
enquiries@kempersystem.co.uk



BBA BRITISH BOARD OF AGRÉMENT

NBS BIM

KEMPER SYSTEM
Tel: 01925 445532
enquiries@kempersystem.co.uk
www.kempersystem.co.uk

KEMPER SYSTEM
Kemperol Liquid Waterproofing



KEMPER SYSTEM HELPS SELF BUILDER GO GREEN

A sustainable contemporary home featuring two green roofs has been constructed with the help of Kemper System.

Located in Surrey, the detached self-build property spans 258 sq m and has been designed by an architectural practice headed by former head of RIBA Jane Duncan. Positioned to make the most of the views, daylight and sunshine, it has been built using a range of natural materials, including timber cladding and Scandinavian bricks.

Homeowner and former builder Nigel Warnes helped to specify Kemper System's Kemperol V210 liquid waterproofing resin for the project. The product was required for a sedum roof above the main living area and another above the new garage.

He said: "The sedum roofs are a key feature of the house as both are visible to anyone approaching the property. As a retired builder, I was keen to be involved in their design, especially the waterproofing to ensure the most effective solution.

"I wanted to use a liquid rather than a single ply membrane as it would fully bond to the substrate offering a more durable solution and greatly eliminating the risk of any leaks."







The Kemperol was applied by Surrey-based Exterior HomeCare. The liquid resin is installed 'wet on wet' in a single process using a reinforcement fleece. Once cured, it forms a seamless and elastomeric membrane that is inherently root resistant.

As the Kemperol is liquid applied, this also ensured it could be easily and quickly installed around any detailing, including two large roof lights.

On the upper elevation of the property, the contractor installed the Stratex Warm Roof System, which comprises both the Kempertherm tongue and groove insulation board as well as Kemperol liquid waterproofing.

Nigel continued: "With the support of Kemper System's technical team, Exterior HomeCare was able to install the liquid waterproofing to the highest standard and with no issues. The team also carried out electronic testing prior to the green roof being laid to ensure that the solution was as robust as possible.

"The standard of the workmanship combined with the proven quality of the liquid waterproofing will ensure we can enjoy living in our new home without having to worry about leaks."

Victoria Ramwell from Kemper System added: "The waterproofing membrane is a vital element of a green roof specification. The use of Kemperol has guaranteed a watertight barrier between the roof substrate and the green roof systems, which is also root resistant. Its strength and flexibility provide the homeowner with the assurance that the sedum roof will remain viable for at least 20 years."

www.kempersystem.co.uk



Specialising in the design, manufacture and installation of Architectural Precast Concrete Cladding

+44 1162 865 965
+353 1 690 1700

ESTIMATING@TECHRETE.COM
WWW.TECHRETE.COM

SiOO:X
WOOD PROTECTION

Working with nature

Sioo Wood Protection AB are leaders in wood protection using silicate technology.

Specified by architects across Europe, our patented SiOO:X product gives long life and a beautiful natural surface with even colouration. It is friendly to people and the environment. An example of a SiOO:X project is this house in Devon where the Siberian Larch cladding was factory treated by Russwood Timber with SiOO:X Mid Grey pigment.

Sioo Wood Protection AB
www.sioox.org.uk



STO GOES BACK TO SCHOOL ON
A MAJOR MIDLANDS PROJECT

The tremendous design possibilities offered by the StoVentec Glass rainscreen cladding system have been highlighted by a recently completed project at a leading Midlands school. The Sto system was specified for the Wolverhampton Girl's High School due to the strong visual appeal which matched the architect's vision for the project.

"The design of the school's new sixth-form building was extremely important given its location and context, and this played a major role in driving the specification of the most appropriate materials," explains Joe Harris of Seymour Harris Architects. "In contrast to previous pastiche additions to the school, we wanted to use modern materials which would complement the original architecture of the school. The new building is harmonized with its surroundings through the colour and pattern of the high-level cladding and by physically reflecting the attractive landscaping of the site, and the school's original buildings which date back to 1911."

The original idea of cladding the building with a reflective metallic finish was changed, as the school environment could easily lead to the metal being scratched and dented.

"We chose the StoVentec Glass system instead," adds Joe. "It's tough and scratch-resistant, but it still provided the high degree of reflectivity that we were looking for. Sto worked closely with us, providing many samples and helping us to arrive at the final choice. The StoVentec Glass proved to be an excellent way of translating our design into reality."



The BBA-accredited StoVentec Glass system incorporates an adjustable sub-construction, which is designed bespoke for each project. This can easily be adjusted to suit any uneven substrate and creates a ventilated cavity which keeps the wall dry and allows it to breathe.

Tempered safety glass panels are bonded to unique StoVentec carrier boards in the factory, and then fixed to the sub-construction at the project site.

www.sto.co.uk



FIRE SPRINKLER VALVE SET
1" to 2"







SUNRAY TIMBER DOOR DIVISION
LAUNCH FIRE-SECURE®

FIRE-SECURE® is a brand new ground-breaking combined timber fire and security rated door revolutionising door safety and standards.

Within the commercial and residential sectors the increased demand on passive Fire protection and Building security has intensified following disasters such as Grenfell, which must lead to responsible product manufacturers investing into R&D to provide specifiers with accredited, tested products to meet and exceed measured performance criteria.

FIRE-SECURE® is a Timber Door which offers two unique benefits, timed protection from Fire and timed protection from physical attack.

Having invested a six-figure sum in the development of this range, Sunray have achieved the ability to provide a 30 minute fire rating on either face of the door (interior or exterior) as well as it having the accredited LPCB SR (Security levels 1 & 2) certification.

These features are unique in their own right, however combined into one product they provide any specifier with paramount assurance to withstand the most vulnerable of applications and Passive Fire or Security Door solutions.

Without compromise the testing to the Fire-Secure® range has been our most challenging in order to pass the punishing and rigorous testing by the renowned test houses.

The result is a Timber Door which provides aesthetics with a range of colour or veneer finishes, vision panels, locking options and critically with the underlying assurance of Fire and Security protection.

For more details call our specialised team to discuss your particular project on 01252 645534

SUNRAY
TIMBER DOOR DIVISION



INTRODUCING...

FIRE-SECURE®

A BRAND NEW GROUND-BREAKING COMBINED TIMBER FIRE & SECURITY RATED DOOR, WHICH REVOLUTIONISES DOOR SAFETY AND STANDARDS.

FIRE-SECURE® is a Timber Door which offers two unique benefits, timed protection from fire and timed protection from physical attack.

Sunray have achieved the ability to provide a 30 minute fire rating on either face of the door (interior or exterior) as well as it having the accredited LPCB SR (Security Levels 1 & 2) certification.

The result is a Timber Door which provides aesthetics with a range of colour and veneer finishes, vision panels, locking options and critically with the underlying assurance of Fire and Security protection.

FIRE-SECURE® DOORS ARE THE IDEAL SOLUTION FOR

COMMERCIAL


HOTEL / LEISURE


SOCIAL HOUSING


HEALTHCARE



For more details, call our specialised team to discuss your particular project on

01252 645534

sales@sunraytimberdoordivision.co.uk

www.sunraytimberdoors.co.uk













SURFACE DESIGN SHOW CELEBRATES 15 YEARS OF BRINGING TOGETHER THE BEST IN INTERNATIONAL SURFACE MATERIAL INNOVATION

Surface Design Show returns to London's Business Design Centre from 11-13 February, with a new focal point through this year's theme 'Close to Home', which will look beyond aesthetics and into manufacturers' impact on the environment.

As well as over 180 exhibitors, visitors can also enjoy a packed programme of approximately 30 presentations from 50 speakers across the purpose-built stages, including the ever-popular Opening Night Debate and the lively PechaKucha evening, which will be hosted by Phil Coffey of Coffey Architects. The winners of the prestigious Surface Design Awards will also be revealed during the 2 ½ days.

Surface Spotlight Live, a section of the show curated by trend expert Sally Angharad and forecasters Colour Hive, will take a look at what the future holds for materials while the Stone Gallery also returns for 2020. Supported by the leading industry body Stone Federation GB, this section's Stone Knowledge Hub will form a focal point for the event where architects and designers can interact with, and learn more about, specifying natural stone.

Light School is key component of the show, reflecting the fact that London is the world's capital for lighting design specification. Here leading manufacturers will demonstrate the relationship between light and surfaces, as well as showcasing the latest architectural lighting products and innovations in lighting technology. Light Talks, a series of sessions supported by the Institution of Lighting Professionals and collated by Rebecca Weir from Lightbout.IQ, will underpin this knowledge sharing.

As well as established brands, Surface Design Show is dedicated to promoting up-and-coming designers in the materials sector with its New Talent section appearing once again, curated by internationally acclaimed speaker and forward-thinking chief creative director at Trendease International Jennifer Castoldi.

Renowned practices including Steven Holl Architects, Mikhail Riches, AECOM, WilkinsonEyre, Arupand Chris Dyson Architects are among those shortlisted for the 2020 Surface Design Awards, which exemplify creative use of surface materials and lighting. There are an impressive 39 projects across 14 categories in total, from retail and public buildings to commercial projects and housing. Demonstrating the truly international reach of the awards, now in their sixth year, projects on the shortlist spanned 13 countries from 34 different organisations with emerging practices represented, as well as established firms. The judging panel praised both the high quality and variety of entries within the field of surfaces and materials, which made for a captivating and exciting day of judging.

Tickets are free to professional and trade visitors. Register at www.surfacedesignshow.com/register

BRAND NEW SURFACES ADDED TO THE DP-LIMITLESS COLLECTION BY DECORATIVE PANELS LAMINATION

Autumn 2019 marked the launch of three new additional ranges to further enhance the stocked dp-limitless Collection available from Elland-based Decorative Panels Lamination – and alongside stunning products from Pfleiderer and REHAU are out of the ordinary surfaces from Voice Tec.

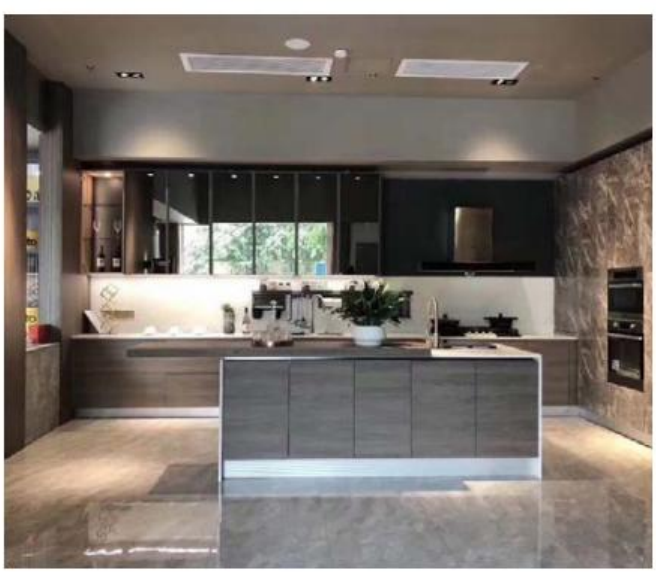
Taking its offer to more than 90 laminates from Pfleiderer's DST collection, the new additions to Decorative Panels dp-limitless range include striking unicolours like Orange, Signal Red and Gentian Blue. Grain embossed unicolours have also been added along with embossed woodgrains like Milano Walnut, Ponderosa Pine, Bordeaux Oak, St Tropez Oak and Zebrano.

Unlike traditional bonding techniques which use cold pressed Emulsion Adhesives, dp-lamination bonds the Laminate to the substrate using a high performance PUR adhesive. Not only does this give a higher glue line strength it offers the additional benefits of being waterproof with excellent low and high temperature performance. There is no doubt that Laminate bonded in this way has all round superior qualities when compared to other methods. The new Pfleiderer products are available in laminated board size of 3050 x 1300 x 15mm, or 18mm MDF, and 2440 x 1220mm dp-lite hollowcore in variety of thicknesses and quantities from just one board.

Next to be launched was the REHAU Rauvisio Crystal range – a collection of on-trend surface materials suitable for both furniture and interior wall cladding applications. Rauvisio Crystal combines the visual appeal of glass with the uncomplicated processing properties of an acrylic, and it comes with the added advantage of being 10 times more break resistant than real glass and half the weight. It's also light, UV, scratch and impact resistant. REHAU's Rauvisio Crystal décors – Conglomerato Chiaro, Conglomerato Scuro, Marmo Toscana, Marmo Romano, Marmo Bianco, Marmo Nero and Ruggine – have all been added to the dp-limitless offer and all the designs are available in gloss and matt finishes. All are available laminated on 2800 x 1300 x 15mm MDF and in quantities as low as a single sheet. For a seamless look, matching edgebanding is available directly from REHAU.

If you're looking for a finish that's very different, you're sure to find inspiration in a new collection of Voice Tec acrylic textured surfaces that's been added to the dp-limitless range under the Textured Surfaces category. Decorative Panels Lamination has launched six 1.4mm thick patterns that are supplied in a white matt finish for recoating with a universal 1mm backing sheet, if required. Launched by dp-lamination at the Surface & Materials Show in October, Voice Tec's Loop, Cactus, Diamantino, Italian Plank, Juta and Giglio are deeply textured and very tactile. Taking inspiration from flowers and bark as well as metals, weaves and abstract patterns, these totally unique finishes are ideal for any custom project, and the surface can be used either uncoated or with an over lacquer. It can be painted or lacquered using acrylic, polyurethane or water-based finishes, it's resistant to weather and UV rays and can be processed using normal woodworking tools and machinery. Recoatable edging is also available. If you need a design creating to your own specification, Voice Tec will even do that for you and Decorative Panels Lamination will apply it to 3050 x 1300 x 15mm MDF panels.





Decorative Panels Lamination will be showcasing all of their new designs at The Surface Design Show in February.

For more information on these three exciting additions, contact Decorative Panels Lamination on 01484 658341 or visit www.decorativepanels.co.uk

SURFACE DESIGN AWARDS

LIGHT SCHOOL

STONE GALLERY

SURFACE DESIGN SHOW

BUSINESS DESIGN CENTRE
LONDON – 11 - 13 FEB 2020

surfacedesignshow.com



BRINGING SURFACES TO LIFE

EXPLORE THE UK'S LEADING DESIGN SHOWCASE

REGISTER NOW

SURFACEDESIGNSHOW.COM

LATHAMS LAUNCH DEMO ZONE AT SDS2020

SURFACE DESIGN SHOW
BUSINESS DESIGN CENTRE
LONDON – 11 - 13 FEB 2020
surfacedesignshow.com

Many people see James Latham as simply a timber supplier and after 262 years in the business you can see why!

However, with this year's 'How Well Do You Know Us' campaign, the leading timber and panel products distributor has been broadening the awareness of its entire product range, from the very latest decors, melamines, laminates and veneers, through to solid surfaces, natural acrylic stone, thermoformable plastics, and more.

And at this year's Surface Design Show, Latham's stand (208) will be taking this one step further. As well as featuring all the new and EXCLUSIVE product ranges from its supplier partners, it will also be adding two elements to the stand that customers have said they wanted to see; demonstrations and interaction.

Stuart Devoil, Group Head of Marketing, James Latham explained, "In the 'Demo Zone', visitors will be invited to take a seat at a counter in front of a specially constructed 'demo booth' and choose from a selection of product samples displayed in front of them. Once they have chosen, they will pass the sample to our operative behind the counter, who will then undertake a demo of thermoforming, shaping, sublimation, coating or whatever is suitable for the chosen material. They will then be handed the sample to take away with them, but will also receive a token and an invite to come up to our private showroom (Suite 301) where they can enjoy a free drink and try the process themselves (whilst also having the opportunity to browse our greater range and consult with our specialists).

"In the 'interactive zone', visitors will be encouraged to take a selection of the 250 A4 samples we'll have on display, and form their own 'mood board' by sticking them to a large, 4m x 3m magnetic wall, mixing and matching until they have their perfect colour / texture / décor combo."



"We'll then photograph the mood board and post it on our Instagram, Pinterest and other social channels, for other designers to check out. Is it inspiration, or competition? We'll leave that up to you to decide.....

"All in all, this insight led approach is designed to bring greater interaction with our design focused customers, whilst also displaying the huge and diverse array of products we can provide. We hope to see you there on stand 208! "

The Surface Design Show takes place at the Business Design Centre, 52, Upper Street, Islington, London, N1 OQH between 11th-13th February 2020 – www.surfacedesignshow.com





James Latham's stand will include a number of innovative surface solutions including STUDIO Collection® (top right), KYDEX (left), Valchromat (right and bottom left) and Shou Sugi Ban (bottom right)







FIVE OF THE BEST **NEW HOMES IN 2019**

: KEBONY

From a remote Island hideaway in Norway to a transformed family home in the Surrey Hills, Kebony, a global leader in the production of sustainable modified wood, was selected to complete some of the most ambitious and striking homes of 2019. Responding to the growing importance of sustainability and a pressing need for eco-conscious materials in construction, five of the most impressive homes from across Europe have demonstrated a clear commitment to sustainability, without compromising on unique and striking design.

KINGS LEA HOUSE, ABINGER, DORKING

A once traditional 20th Century house deep in the Surrey hills was skilfully transformed by Lees Munday Architects into a contemporary family home. With an extension to give the property a new lease of life, juxtaposed against the original building, the architects selected Kebony to achieve the owner's vision for a sustainable and family friendly home. Natural materials and finishes, including stone and timber were selected inside and out for their authenticity and the way they wear in instead of wearing out. Improving the energy efficiency of the house was also paramount for the owner, which was achieved by draught-proofing, enhanced insulation, and the installation of 21 flat black photovoltaic panels on the new kitchen roof.



HOUSE ON AN ISLAND, SKÅTØY, NORWAY

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. 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, and the use of rich Kebony wood unites the house with adjacent trees which populate the Scandinavian island.

COASTAL HOME, NORWAY

In Southern Norway, architect Thomas Nesheim's ambitious new coastal home is the product of unique design and the use of innovative materials. Blending seamlessly into the rugged landscape, the self-build home is characterised by the extensive use of charred Kebony cladding, which creates a striking finish to the rural project. The cladding allows the home to evolve throughout the day, changing colour in different lights and weather conditions and reflecting the stunning Norwegian sky at night. The home is designed to allow large amounts of natural light to spill into the home through the expansive glass windows and doors, whilst fostering the open-plan interior which fulfilled the architect's brief.





FIVE OF THE MOST IMPRESSIVE HOMES FROM ACROSS EUROPE HAVE DEMONSTRATED A CLEAR COMMITMENT TO SUSTAINABILITY, WITHOUT COMPROMISING ON UNIQUE AND STRIKING DESIGN.



LOOKING BACK AT 2019, WE ARE ALL VERY PROUD THAT KEBONY WAS SELECTED BY SUCH A NUMBER OF LEADING ARCHITECTS FOR SOME OF THE YEAR'S MOST EXCITING RESIDENTIAL PROJECTS

HOLIDAY COTTAGE, BOESLUM STRAND, NORWAY

Located in Boeslum Strand, a seaside village in Denmark renowned for its beautiful white beaches and grassy plains, lies a charming holiday cottage which has been carefully designed by local architect, Elin Donskov, to provide a 180° view of the water. Kebony, was selected to clad the facade of the remote summer house, providing an environmentally friendly build with a natural and understated appearance. The use of Kebony cladding helped achieve a silvery, natural external aesthetic with the added benefit of minimum maintenance.

SWEDISH SELF-BUILD, STOCKHOLM

Hidden in the pine trees in the rural suburbs of Stockholm, architect Matthew Eastwood of Swedish firm, Tengbom, has tailor-made his very own architectural treasure for his family to enjoy. The architect wanted a natural wood that resembled similar characteristics to the adjacent pine trees for the external cladding, which is why Kebony was selected. Not only does the house blend naturally into its surroundings without causing harm to the fragile environment, the wood is also incredibly resilient to wear and weathering. The house boasts an impressive dining room with glass walls on both sides, creating an airy atmosphere with a spectacular view, whilst incorporating plenty of natural daylight throughout the house and allowing the neighboring forest to feature throughout the interior design.



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 sustainable credentials and unique aesthetic qualities were the perfect fit for these new homes.

Adrian Pye, International Sales Director at Kebony added: "Looking back at 2019, we are all very proud that Kebony was selected by such a number of leading architects for some of the year's most exciting residential projects. The wood's versatility means that Kebony is used across a huge range of buildings and products across the world, and these outstanding projects demonstrate how more and more leading built environment professionals are recognising the importance of sustainability in the realms of construction."

kebony.com/en





Timber Construction Competence



ZÜBLIN Timber, a "House in a Garden" project partner.

Timber Construction Competence
ZÜBLIN Timber stands for ambitious and pioneered solutions in the field of timber construction. We are your single-source provider for the development, production, delivery and execution of high-quality timber construction systems, from simple to complex engineered timber structures and turnkey project execution. Together with our clients we develop efficient solutions and a sustainable quality of life.

www.zueblin-timber.com

ZÜBLIN
TEAMS WORK.

ZÜBLIN Timber GmbH, Industriestr. 2, 86551 Aichach/Germany



MODERN CONSTRUCTION: HOW **TECHNOLOGY IS IMPACTING THE INDUSTRY**

: PROTRADE

Almost every industry has been impacted by modern technology but certain sectors like construction are yet to fully realise the potential of these advances.

It is expected that over the coming years, technology can help the UK's construction industry overcome a number of challenges it is grappling with; from skills shortages to increased demand.

The skills shortage looks set to worsen as the current workforce is ageing without new talent to replace it. According to a report from The Chartered Institute of Building, over 50s currently make up 22% of construction workers in the UK and 15% are in their 60s.

They are under pressure to be more productive due to the rise of urbanisation, which is creating greater demand for houses, hospitals, roads and other infrastructure. There are currently £650 billion worth of projects planned under the national infrastructure programme.

Last year, the business and industry minister announced a £72 million investment to help modernise the construction industry with virtual reality, digital design and offsite manufacturing technologies.

In this article, Protrade takes a look at and discusses just some of the ways technology can help ease the burden for construction and make the industry more productive.

IMPROVED EFFICIENCY

Technology like Building Information Modelling (BIM) is already being used to plan projects more efficiently, and now augmented reality and virtual reality can be used to provide even more accuracy. Using technology to simulate the environment you'll be working in can help reduce errors and increase safety.

While the rise of artificial intelligence and machine learning technology can analyse data from past projects to help provide more accurate estimates for completion dates and costs.

Technology also helps ease the burden when carrying out reporting because analytics can help visualise and make sense of raw data without having to do complex mathematical calculations yourself. This can be particularly informative when it comes to providing insights into potential problems which might not be immediately obvious. For example, it can help work out where waste is occurring and whether materials are being used efficiently.

Although not a new concept, Bluetooth connectivity is increasingly being incorporated within power tools such as digital laser measurers and cordless tools such as dust extractors.

Not only does Bluetooth connectivity enhance efficiency in ways such as allowing workers to cut the time spent measuring dimensions in half, it also allows increased accuracy.

Investing in innovative technology and modern power tools can have large upfront costs, but the opportunity for return on investment and increased productivity is worth it.

BETTER COLLABORATION AND COMMUNICATION

Large and complex construction projects are notorious for being delivered late and over budget for a number of reasons but one of the obvious challenges they face is ensuring effective communication.

Here technology offers a myriad of solutions that can help make it easier for different experts to collaborate. From architects and contractors to plumbers and electricians, everyone can make use of technology to aid communication.

Cloud technology, for example, makes it easier to share information even when you are not physically in the same location. Real-time data can be shared so everyone has access to the latest information which can help avoid unnecessary delays.

Pictures and videos can be shared with those working off-site and because these can be accessed from various devices, they can be viewed even when you are on the move.

This makes it easier for contractors and project managers to monitor progress remotely. Project managers can now use software to help them automate the more repetitive tasks involved in planning and reporting.

In fact, one of the great benefits of technology is that it can automate laborious tasks so workers have more time to focus on more vital aspects of their job. This includes filling in timesheets and filing expenses. When you are under pressure to deliver a project on time, it can be frustrating to spend hours on record keeping and dealing with documentation. Using technology can speed up such mundane but essential work.



Robots can also be used to help with other repetitive tasks like brick laying, so workers' skills can be used more effectively for aspects of the work that need human supervision.

REDUCED COSTS

As well as analysing project costs, technology can be used to save money by making sure tools are kept safe.

Construction involves using expensive machinery and tools which can be costly to replace if they go missing. Tool tracking software and stock inventory management can help make sure you don't lose sight of such equipment and can always keep a tab on its location.

Such software works by attaching sensors to tools and materials which can also be used to track how equipment moves throughout the day. This information can then be used to work out where best to store equipment to make sure it is always on hand when needed.

ENHANCED SAFETY

There's no getting away from the fact that construction can be a dangerous industry to work in and safety is of paramount importance and one aspect that often goes overlooked is how technology can be leveraged to improve construction site safety.

Projects can be stalled or set back if safety is a concern which is why using technology to safeguard workers is a no brainer.

Augmented reality and virtual reality can be used to train workers in an environment that gives a much more realistic depiction of the hazards they may encounter.

Wearable technology is making it easier to monitor safety on site and identify when working practices could be dangerous. Such technology can give feedback on improving posture for example. Or, it could alert workers when they have entered a dangerous zone. This can help prevent common injuries caused by slipping or tripping.

Smart clothing, or e-textiles, that can monitor vital signs like respiration rate, skin temperature, and heart rate will also make their way to the construction site. These wearables will be able to monitor a worker's posture, track movements, determine if they are suffering from fatigue and whether they are intoxicated or under the influence of narcotics. Keeping a watchful eye on workers can help predict an accident before it occurs.
Drones are also being used to enhance safety on construction sites as they can help provide pictures from construction sites which can be compared to BIM models to work out progress and check for accuracy.

Drones can also assist in conducting jobsite inspections and identify potential hazards each day as well as monitor workers throughout the day to ensure everyone is working safely.

FINAL THOUGHTS

Given the pressure the construction industry is under, it is clear that changes need to be made. Taking advantage of new technology is therefore essential to remaining competitive because it can help tackle many of the issues being faced.

www.daytrue.com

TECHNOLOGY LIKE BUILDING INFORMATION MODELLING (BIM) IS ALREADY BEING USED TO PLAN PROJECTS MORE EFFICIENTLY



LANDMARK ANNOUNCES PARTNERSHIP **WITH ACCUCITIES**

Landmark Information has announced a partnership agreement with AccuCities, the 3D city models expert, to provide its 3D terrain and mapping models as part of a new subscription service that is an extension of Landmark's flagship mapping and location data service, Promap.

The partnership enables architects, planners and developers to access highly detailed BIM-ready three dimensional models of UK-wide locations via a new 3D subscription service.

The AccuCities 3D models are available in five layers – from a base model that offers an affordable option that is accurate to 200cm in all axes. This includes the main roof shapes of buildings in addition to the localised terrain with elevation changes captured. Four further layers are available, including Level 2 (Medium), Level 3 (High), Level 4 (Facades and Textures) and Level 5 (Interiors), providing Promap users with a great choice of modelling options to suit the needs of the project and the required level of detail.

All AccuCities models can be delivered as AutoCAD solid .DWG, SketchUp .SKP and .FBX files to fit flowlines. For state-of the-art presentations and simulations, the 3D Model of London can also be imported into Unreal Engine 4.

For more information, visit www.promap.co.uk or call 0330 036 6627.

HELIFIX SHOWCASE VAST RANGE OF REPAIR **TECHNIQUES AT LONDON BUILD 2019**

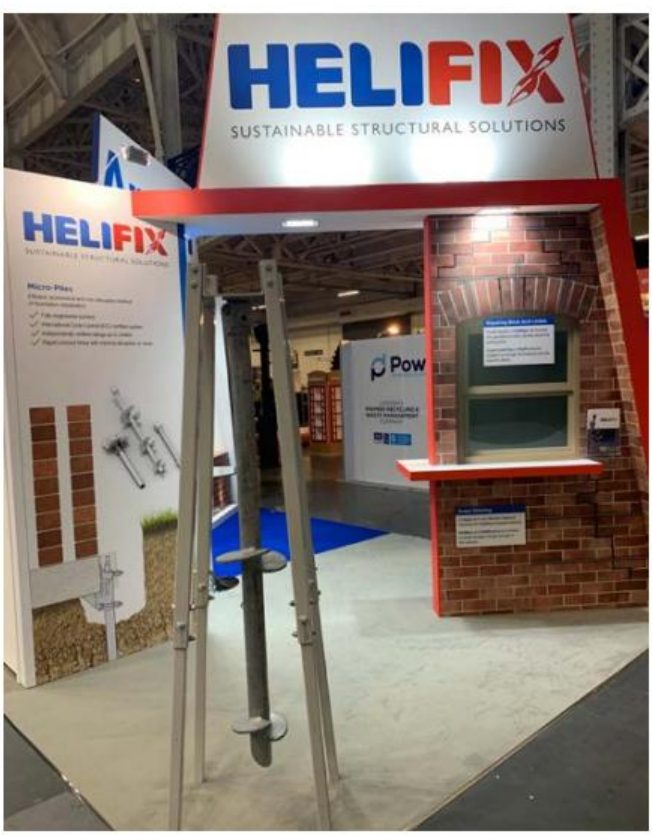
Helifix exhibited at London Build on the 27th & 28th November 2019, displaying a vast range of products and repair techniques, illustrating the variety of faults that Helifix products can repair. The in-house technical sales team and external Technical Business Managers were on hand to discuss specific projects and explain why Helifix repairs are often a more sustainable option.

Helifix products and their concealed, non-disruptive, installation techniques play an important role in preserving our built environment, from housing and offices to bridges and listed buildings.

The sales and technical teams have considerable experience and technical expertise to discuss your project-specific requirements and answer any questions you may have.

To speak to a member of the team call Helifix on 020 8735 5200 or email sales@helifix.co.uk






WHERE INTERIOR DESIGN COMES ALIVE
FESPA GLOBAL PRINT EXPO 2020 | 24 - 27 MARCH 2020 | MADRID
Inspired by nature, Printeriors 2020 brings the print community together in a celebration of interior decoration. Featuring Textiles, Wallcoverings, Furniture and Surface effects, Printeriors aims to showcase the growing application of digital print technologies in the interior marketplace.
www.printeriors.net
REGISTER FOR FREE USING CODE PRNA201
FESPA GLOBAL PRINT EXPO
Madrid
24-27 March 2020
2020
PRINTERIORS
24-27 MARCH 2020
MADRID, SPAIN

SK ACCOUNTANTS

SK Accountants is a Xero Cloud Certified Accounting Firm which specialises in working with professional services.

In the past 2 years, SK Accountants has been helping Architectural Firms become compliant with Making Tax Digital (MTD). MTD is new legislation which requires VAT registered Companies to file their VAT returns using approved third-party software. As a Silver Partner we use Xero to fulfil this obligation on behalf of our clients.

Through the use of Xero, bank feeds and receipt management apps we ensure that the Accounting process is taken off your hands and presented to you in an easy to understand and compliant format.

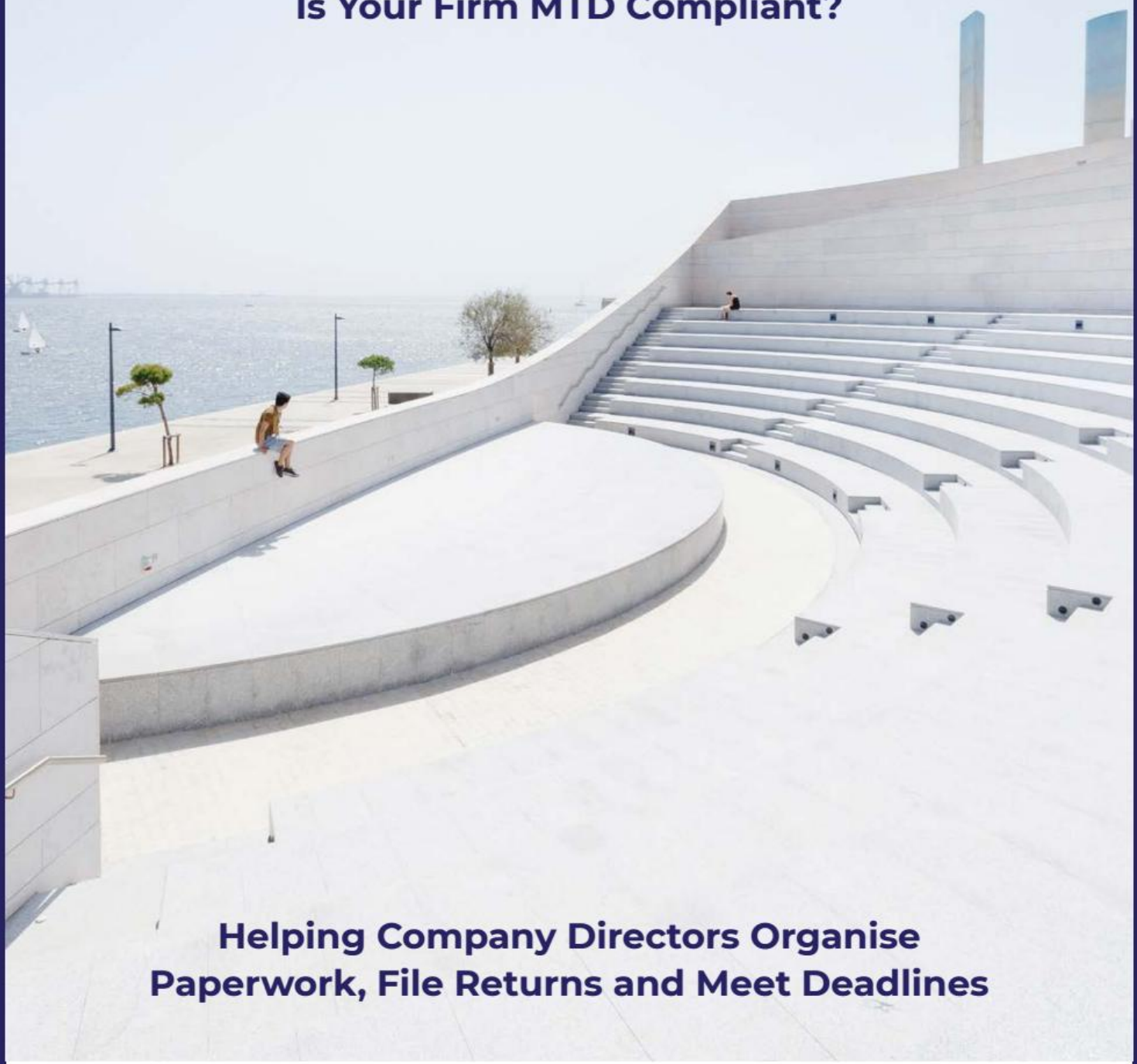
Talk to us today for a free compliance audit and how we can help with your monthly and annual filing requirements.

020 3883 9040
www.skaccountantslondon.com
info@skaccountantslondon.com



SK ACCOUNTANTS

Is Your Firm MTD Compliant?



Helping Company Directors Organise Paperwork, File Returns and Meet Deadlines

xero SILVER PARTNER

020 3883 9040
www.skaccountantslondon.com
info@skaccountantslondon.com

SME news FINANCE AWARDS 2019 WINNER

FURNELLS LTD
ENGRAVING & SIGNAGE SPECIALISTS

It means what it says

fast professional results for all your etched signage needs

Furnells — for fast, reliable etching and engraving



Simple and Stylish Signs
with optional wooden backing



Large lettering or fine details
including both on the same panel



Etching on glass panels
for a clean, modern look



Complex shapes no problem
engraved or laser cut to your design



Engraving on Marble, Slate and Stone
Also full engraving service on metals and laminates



Your artwork gets straight to work
what you see is what you get

We are able to accept artwork in .EPS, .AI,
Corel Draw and Signlab formats

Furnells have 50 years' experience in Etching and Engraving

FURNELLS LTD
ENGRAVING & SIGNAGE SPECIALISTS

Tel: 0208 880 2771 / 0208 880 2070

Web: www.furnells.com E-mail: sales@furnells.com

Unit 5, Crusader Industrial Estate, 167 Hermitage, London N4 1LZ

SCREWSHOP



Screwshop specialises in screws fixings & fasteners for the DIY, hardware, building, joinery and furniture manufacturing sectors. We pride ourselves with offering expertise, competitive prices from local and internationally sourced standard and bespoke products.

Our extensive range also includes PVA and PU glues and superior silicones, sealants and adhesive products from leading manufacturers.

Screwshop has recently introduced PPE Workwear to their portfolio of products. The collection includes waterproofs, coveralls, safety boots, combat trousers, Hi-Viz vests, helmets, safety glasses and much more.

All at very competitive prices and next day availability.

Please visit our on line shop for more information www.screwshop.co.uk, or call us on 0121 559 8866



BRICK AWARDS

ANCON WERE PROUD SPONSORS OF THE 2019 BRICK AWARDS

As a long standing sponsor of the Brick Awards, Ancon once again joined the celebrations to acknowledge excellence in the use of the UK's favourite cladding material.

We were proud to design bespoke fixing solutions for 10 of the shortlisted projects, and attending the ceremony provided the opportunity to catch up with all involved in these incredible buildings.

The Brick Awards, now in its 43rd year, is one of the industry's most respected and well-attended events.

To find out more about the wide range of Ancon fixing solutions used in these projects, please contact Ancon on info@ancon.co.uk or www.ancon.co.uk.

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.

https://www.spv-uk.co.uk/







FLOODGUARD UK – THE UK'S LEADING COMPANY FOR BESPOKE FLOOD PROTECTION PRODUCTS AND SOLUTIONS

FloodGuard UK Ltd offer a wide choice of Bespoke doors fitted with our Award Winning Automatic Door Sealing System. We offer a wide range of colours and designs to suit both residential and commercial property. The products and services that we design are to suit all requirements, whether it's flood protection, prevention, management or resilience for residential, commercial and historical conservation buildings across the UK, we can also help you and offer our first class services worldwide.

Introducing our latest FG Specialist Door Range:

Archive doors, Laboratory doors, Hospital doors, Hygienic location doors, Fire seal doors and Soundproof doors.

Residential flood protection from Floodguard UK Ltd offers unparalleled protection against the deadly effects of flooding in your area. We will ensure that your home forms a solid barrier against rising water with a range of flood mitigation products.

There are many buildings that are protected due to their historic importance and heritage – meaning that even reconstructive construction work on them is heavily restricted. Listed buildings need to have their aesthetic maintained, so why let their beauty be destroyed by adverse weather?

Large estate houses and small private cottages can benefit massively from the installation of flood protection throughout – this will retain the original structure, but you'll be able to relax knowing that your historic building is protected with some of the most effective water mitigation products available.

Your factory, shop, office or other workplace is home to you and your employees every day therefore it's important that you take the time to invest in your establishment to ensure it's safe for everyone there.

Our extensive range of flood mitigation products have been tried and tested numerous times to ensure that they provide superior protection against the very real threat of flooding.

Flood protection from superior products such residential doors made of solid core composite materials also hardwood. garage doors, flood barriers and gates commercial doors of all types,to include steel single and double doors, flood protection for roller shutter doors along with many ancillary products we include everything to protect all the vulnerable points in your establishment.

Flood protection for commercial properties across the UK forms a solid barrier against water levels, don't put your hard-earned business into unnecessary threat by neglecting to install bespoke flood protection products throughout your establishment.

The only way of fully defending a building is by installing bespoke units that have been specifically crafted to match the requirements and challenges that your establishment presents. Therefore, we make sure to personalise our services for each client that we work with – meaning that our in-house research and development team are always improving the technology found in all flood defence systems that we offer. All of this ensures that our residential and commercial flood defence systems are some of the most effective and technologically advanced on the market.

Floodguard UK Ltd. The solution wherever flooding is a problem

www.floodguarduk.co.uk /
+44 (0)800 073 5455

FloodGuard UK Ltd

First for Flood Protection Products and Services Worldwide

0800 073 5455 www.floodguarduk.co.uk

Commercial & Residential Projects

Unique automatic door sealing system, True 24/7 Flood protection fitted to our wide range of products.

- *Residential Doors.*
- *French Doors*
- *Garage Doors*
- *Steel Commercial Doors*
- *Roller Shutter Doors*







We cover All of the UK

See our website Contact us Now

www.floodguarduk.co.uk



BDG ARCHITECTURE + DESIGN TRANSFORM THE OFFICES OF GLOBAL BRAND DESIGN AGENCY GEOMETRY

: BDG ARCHITECTURE + DESIGN

Geometry is a global brand experience agency, they help brands thrive in an omni-channel world by shaping and changing people's behaviour at pivotal moments along the purchase decision journey.

Its 2,425sq metre London HQ is situated in a multi-tenant building in Westbourne Terrace. Its London HQ since 2014 the design and use of space was in need of upgrading and BDG architecture + design was appointed to create an immersive and engaging environment that reflects what Geometry is about.

BDG architecture + design worked closely with the creative director of Geometry - Elspeth Lynn. The collaborative approach to the design of their new space, brings together their new brand with a brief that concentrated on the 'Retail infused Refurb'. This took notions of retail and fused that throughout the whole space providing a pivotal experience that was unique to them and ensuring that staff, visitors and clients gain a sense of who they are and what they do as soon as they enter the environment. The key driver was that the space should reflect a retail inspired environment when entering the workplace rather than looking like an agency.

Visitors have a sense of arrival as soon as they exit the lift, it is not just the foyer to a workplace, but a strong symmetrical entrance with floor to ceiling windows and large screens offering texturalised and personalised content, akin to arriving at a luxury department store.

Drawing on retail, shelves are under lit and mirrored columns bounce light whilst shop mannequins feature within the design. Central to the design is The Flagship which is an innovative immersive experience allowing brands and retailers to prototype, test and trial tech that influences shoppers behaviours and purchase decisions – a focus on the future for Geometry.

Retail signage, reflective of a high-end department store, has been used to delineate the office home to 240 people, allowing navigation through the space and differentiating between the teams.

The retail infused environment helps define the space and gives a unique look and feel. In the modern interpretation of the space social tea zones were incorporated in the centre of the space on both floors, either to use as a creative collaborative space to bring people together or an area that they can choose to work in a degree of solitude.

Geometry's brand strong and simple, is reflected throughout – the neutral colour palette reflects this with black steel work used to delineate the space and oyster, white and pale wood for warmth whilst yellow, navy and textures are used in different ways and varying fabrications to express different stories in different areas.

The whole space is unique to Geometry – it allows their visitors to feel a sense of what they do before being told.

www.bdg-a-d.com



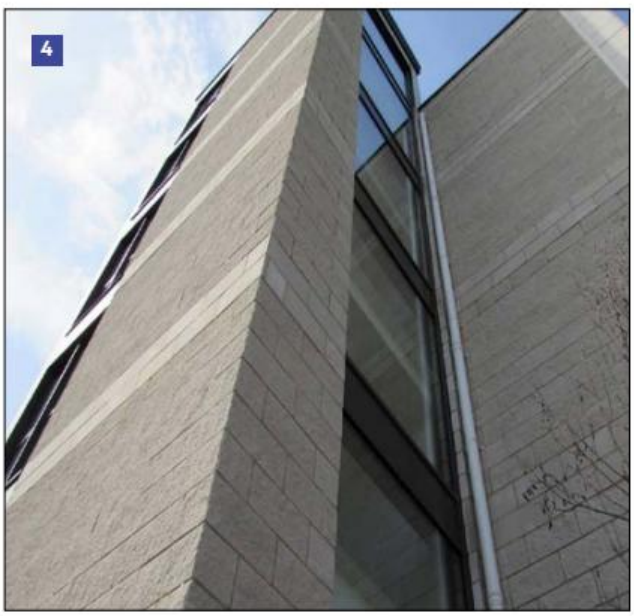


THE COLLABORATIVE APPROACH TO THE DESIGN OF THEIR NEW SPACE, BRINGS TOGETHER THEIR NEW BRAND WITH A BRIEF THAT CONCENTRATED ON THE 'RETAIL INFUSED REFURB'.









1

ISOPRO® AND ISOMAXX®

Insulated concrete balcony connection systems offer the best insulation performance, with higher load capacity and faster Installation.

- Cost-effective, high-quality performance components
- Faster installation with no need to tape joints.
- Blank inserts of the same insulation material to optimize design/cost
- Easy to cut to length when needed
- No moisture absorption by the insulation layer to reduce thermal performance
- Very low deflection at the connection to the structure
- Choice of insulation performance between the ISOPRO® and ISOMAXX® range of products
- Up to 120 minutes fire resistance.

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

www.jp-uk.com

2

TOP ARCHITECT TURNS TO GEC ANDERSON FOR STAINLESS STEEL KITCHEN SURFACES

GEC Anderson has enabled many design professionals to realize their ambitions for both domestic and commercial kitchens, but now one of the world's foremost architectural consultancies has called on the stainless-steel specialists to help deliver a project they can reflect on every day. Foster + Partners – responsible for such structures as Apple Park, the Mayor of London's City Hall and the breathtaking Millau Viaduct in France – has a new galley kitchen in its Hester Road studio which features bespoke sinks, surfaces and splash-backs supplied by GEC Anderson.

As ever, GEC Anderson's kitchen creations offer not just stunning looks, but practicality and the ability to provide an easy to clean, hygienic environment.

www.gecanderson.co.uk

3

J&P BALCON®

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

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

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

www.jp-uk.com

4

FORTICRETE OFFERS THE LEADING EDGE IN ARCHITECTURAL MASONRY

Forticrete, an Ibstock brand, is meeting the demands for architectural creativity and flexibility when producing distinctive facades with its extensive Architectural Masonry range. Combining decorative concrete facing blocks, and bespoke precast solutions, the range offers a maintenance free solution suitable for interior and exterior projects.

The collection is available in an extensive selection of colours and textures including Fairface, Splitface, Shot-Blasted, Etched and Polished Florentine.

For further information on Forticrete's Architectural Masonry offering, visit: www.forticrete.co.uk/products/architectural-masonry or call 01525 244900.



Beautiful spaces made beautifully accessible

The stunning Autograph and Heritage Collections by Lyfthaus.
Bespoke disabled access platform lifts, designed and crafted in Cambridge, England. Architecturally inspired, beautifully engineered.

Lyfthaus premium open aspect platform lifts can be found in Britain's finest buildings, architectural icons and A-list properties.

Lyfthaus Limited
We rise by lifting others

Lyfthaus Limited, Steeple Bumpstead, Cambridge, CB9 7BN
Tel: 01440 731111 Email: lifts@lyfthaus.com

www.lyfthaus.com

CONSORT CLAUDGEN LAUNCHES NEW ELECTRIC HEATING BROCHURE



Consort Claudgen has launched their latest Heat brochure which includes a host of new heating controls and heaters in their product range. The 48-page brochure features motion-activated and waterproof run-back time controllers, new heater models in the electronic 7-day timer range and advanced wireless controllers which are now compatible with Consort's RX and SL heaters.

As well as several other new products, it showcases heaters with safety monitoring features. All of these are detailed in the brochure along with the established panel and fan heaters, convectors, LST heaters, air curtains, downflows and towel rails.

Download a copy from www.consortepl.com or request at 01646 692172.



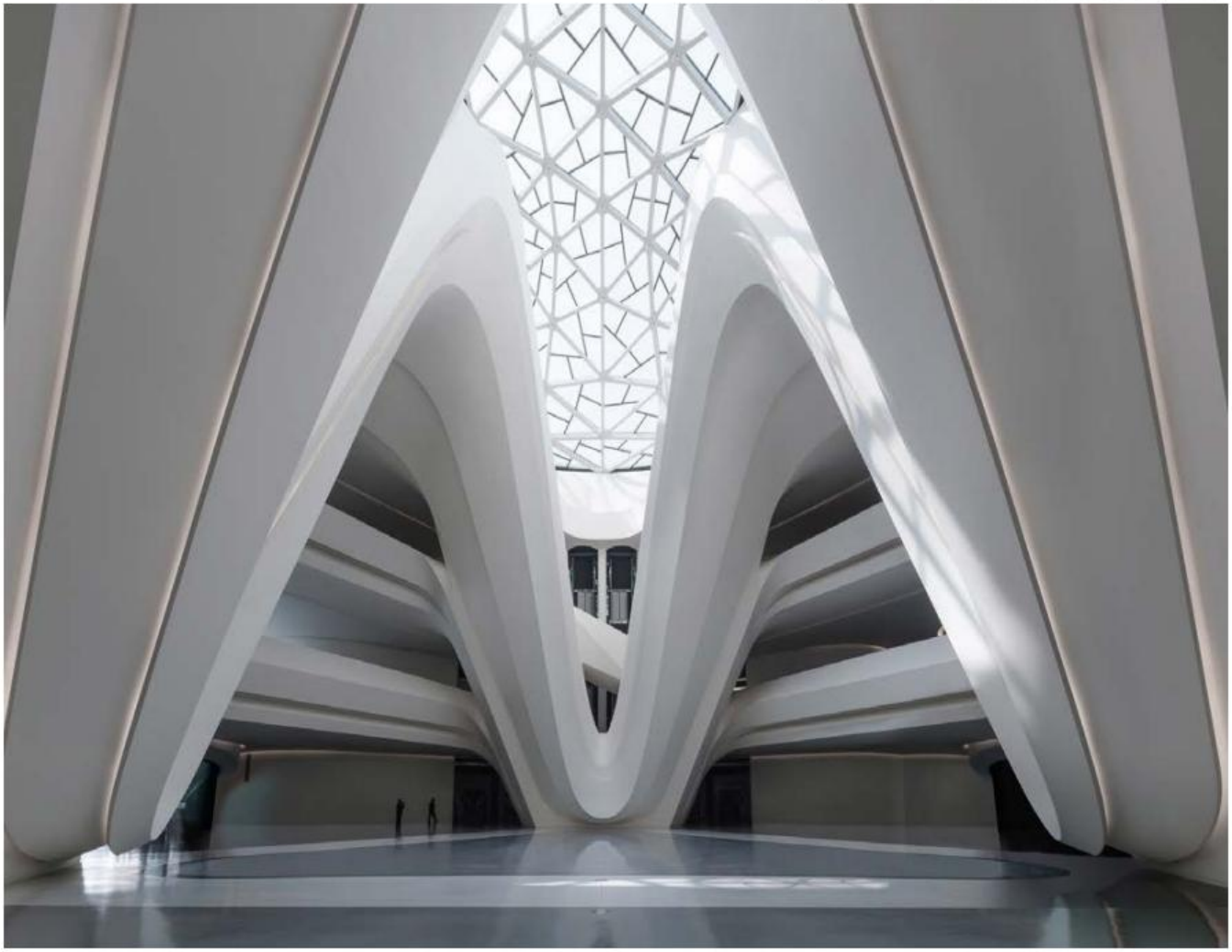
INTERNAL STEEL SLIDING DOORS COMPLEMENT HIGH-END DESIGN AESTHETIC

Saving space while providing a contemporary industrial aesthetic, internal steel sliding doors from Steel Window Association members provide solidity without being visually overpowering.

The W20 single glazed profiles ensure good sight lines from one area to another, compared to potentially chunky proportions required with timber or aluminium, while allowing maximum light transmission. The slender and robust steel frames are often divided into small panes for aesthetic reasons and are ideally suited to high-end, design-led residential and commercial schemes.

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

Images:- www.virgilebertrand.com & Seven 7 Panda







INTERNATIONAL CULTURE
AND ART CENTRE

: ZAHA HADID ARCHITECTS

The new Culture & Arts Centre by Zaha Hadid Architects incorporates a contemporary art museum (MICA), a 1,800-seat theatre with supporting facilities and a multipurpose hall. Its organic architectural language is defined by pedestrian routes that weave through the site to connect with neighbouring streets. Providing views of the adjacent Meixi Lake from the city and giving access to the parks and walking trails on the lake's Festival Island, this ensemble of three separate cultural institutions creates external courtyards where pedestrian routes intersect for outdoor events and sculpture exhibitions.

The largest and most versatile cultural centre in Hunan province, the Culture & Arts Centre connects directly with its station on Line 2 of Changsha's new Metro System. Located on historic trade routes through China, the city of Changsha's traditions as an important centre of communications continues as one of the country's leading media hubs with the centre's Grand Theatre hosting a popular programme of performances and television productions.

Designed for the widest variety of performing arts, the Grand Theatre provides all front-of-house functions in sculpted lobbies, bars, and hospitality suites, as well as the necessary ancillary functions including administration offices, rehearsal studios, backstage logistics, wardrobe, and dressing rooms. With eight juxtaposed exhibition galleries totaling 10,000 sq.m centered around an atrium for large-scale installations and events, the MICA art museum also includes dedicated spaces for community workshops, a lecture theatre, café, and museum shop.

The Small Theatre is characterized by its flexibility. This multipurpose hall with a capacity of 500 seats can be transformed into different configurations to accommodate a broad range of functions and performances that span from small plays, fashion shows and music performances to banquets and commercial events.

Totaling 115,000 sq.m, these three civic institutions are uniquely defined and separate, yet complement each other with different opening times creating vitality throughout the day and evening. The theatre becomes active as the art museum begins to conclude its day-time operations, whilst the variety of events in the smaller theatre ensures it will be used at all times.

www.zaha-hadid.com

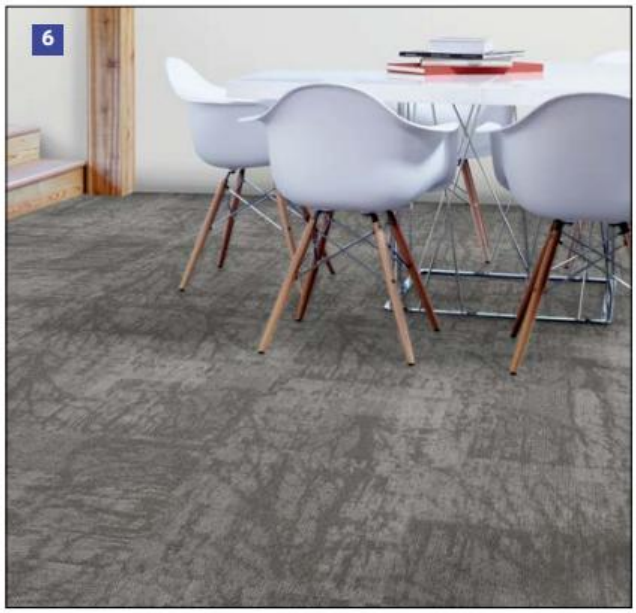






THE LARGEST AND MOST VERSATILE CULTURAL CENTRE IN HUNAN PROVINCE, THE CULTURE & ARTS CENTRE CONNECTS DIRECTLY WITH ITS STATION ON LINE 2 OF CHANGSHA'S NEW METRO SYSTEM.









5

REVIVE YOUR WORKTOPS FOR THE FESTIVE SEASON WITH OSMO

As one of the primary rooms in the home, the kitchen plays host to Christmas dinner and all its trimmings, meaning that the space needs to be functional yet presentable to cater for all the family. However, with kitchen being used all year round, the worktops are prone to spillages, scratches and water damage, resulting in a dull, tired-looking surface. By investing in a high-quality finish, wooden worktops can get a new lease of life. Osmo UK offers an interior wood finishing treatment designed to keep your worktops looking as beautiful as the day they were installed.

To prepare your home for the festive season and to learn more about Osmo and its range of environmentally friendly wooden finishes, visit www.osmouk.com.

www.osmouk.com.

6

FLOORING WITH AN UNEXPECTED PURPOSE FROM MILLIKEN

Milliken's latest carpet tile collection 'Unexpected Purpose' offers both flexibility and creativity whilst also ensuring continuity and durability. Using inventive techniques Milliken's in-house UK design team has created their first batchless and non-directional collection. This means the carpet is quicker to install, with no need to follow directional arrows on the reverse of the tiles. It also eliminates visible variation between different batches so tiles bought at any time in the future can work with the existing installation. The colour palette is neutral and earthy and the exquisitely subtle biophilic design hints at the shadows of trees; bringing the tranquillity of nature indoors. Unexpected Purpose is produced using high-performance ECONYL® yarn with 100% regenerated nylon.

www.millikencarpet.com

7

NEW LINEAR & 3D COLLECTIONS FROM CTD ARCHITECTURAL TILES

Celebrating the beauty of structure and geometry, the latest collections from CTD Architectural will bring a sense of character and depth to any commercial or residential space. New for autumn 2019,

CTD Architectural Tiles has introduced a broad range of designs to its growing portfolio of wall tiles, including the eye-catching Shapes, Murals Lines and Kenzo.

Ideal for designers, specifiers and developers looking to make a statement, the new ranges combine a multitude of structures, patterns and finishes to deliver surfaces that perform both aesthetically and practically.

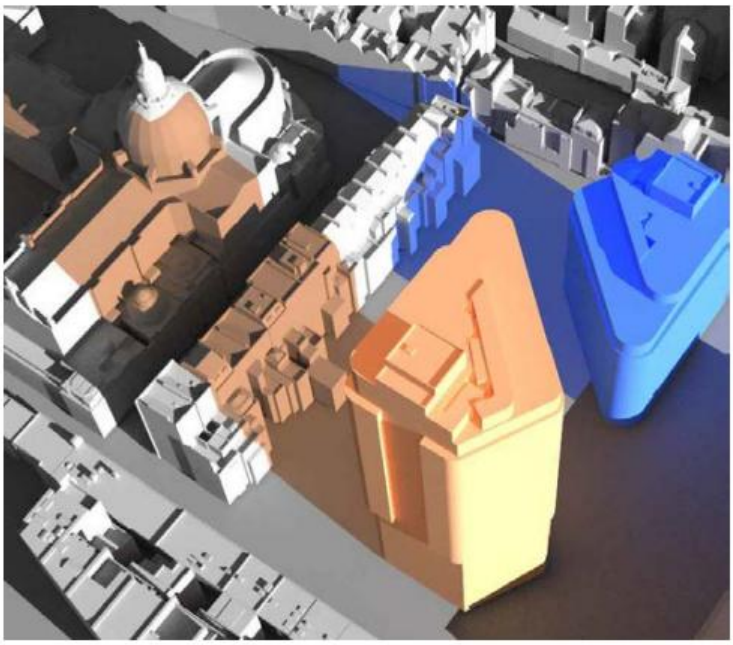
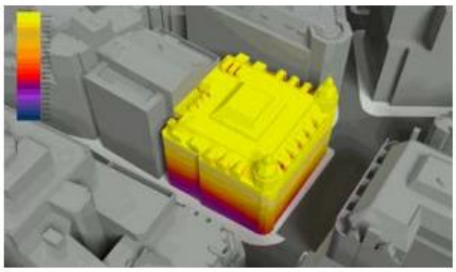
www.ctdarchitecturaltiles.co.uk
0800 021 4835

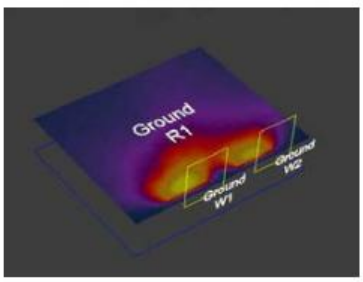
8

ALUCOBOND® ANNOUNCES TWO CPDS

ALUCOBOND®, from 3A Composites GmbH, is pleased to announce the availability of two new CPDs; 'How to Specify Aluminium Composite Material' and 'Fire Safety for Aluminium Composite Material'. The first CPD, 'How to Specify Aluminium Composite Material', takes the architect through the complete process of specifying aluminium composite material, outlining the key technical considerations in its specification, analysis of the key considerations, as well as opening the discussion about the benefits of its use. The second CPD, 'Fire Safety for Aluminium Composite Material', starts with a detailed explanation of what fire development is, before moving on to explain the difference between fire resistance and reaction to fire.

For further information or to book your CPD, please contact:
Mark Winstanley
(+44 (0) 75 84 68 02 63
Mark.Winstanley@3AComposites.com
www.alucobond.com

mbs SOFTWARE

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:

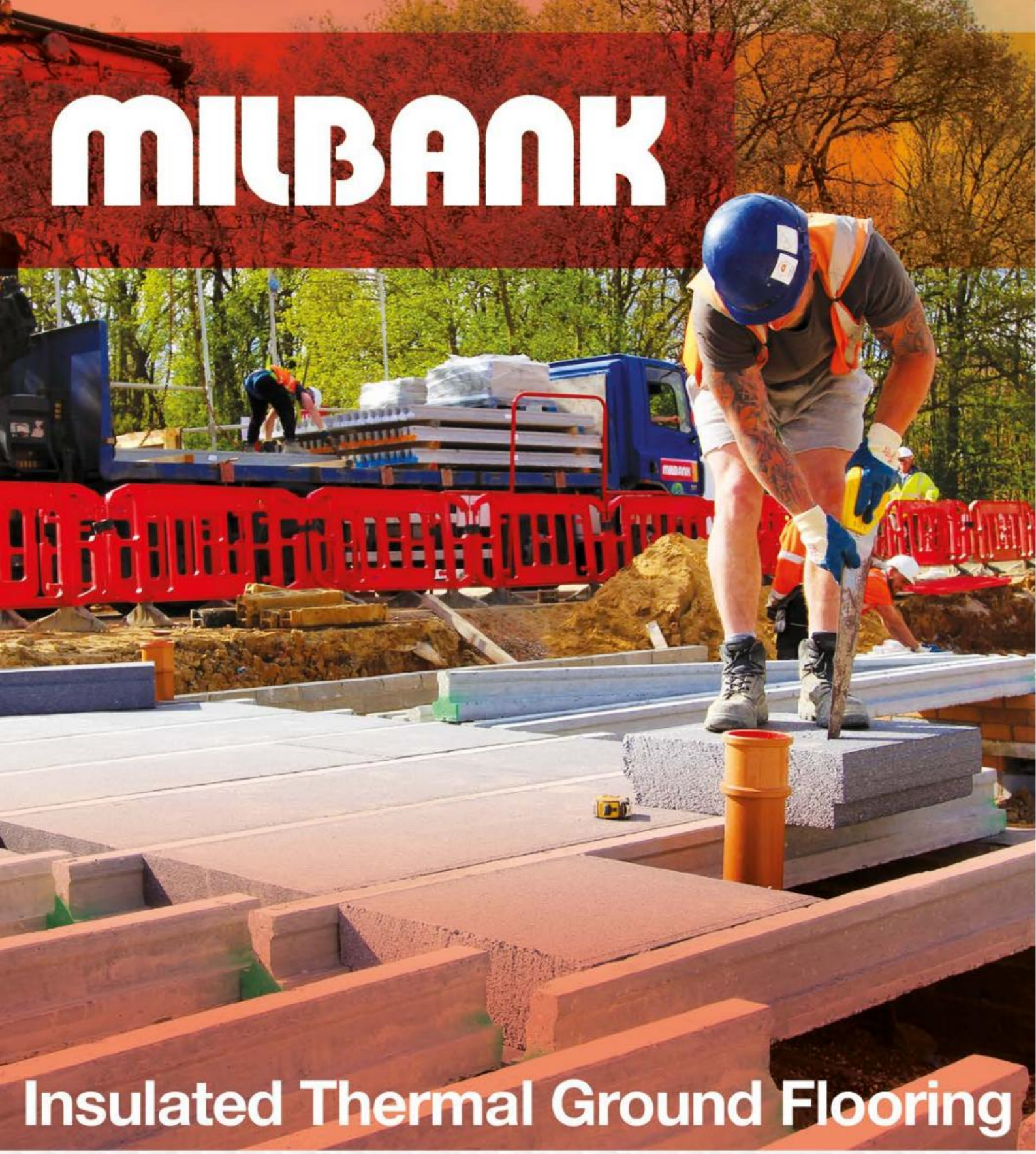
- BRE Compliance tests VSC,APSH,NSL,Sunlight to Amenity and Average Daylight Factor
- Rights of Light contours
- Complete excel exports
- Automated transient shadow images
- Climate based daylight calculations
  - Spatial Daylight Autonomy
  - Annual Sunlight Exposure
- BREEAM calculations
- Solar Glare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



WarmFloor PRO

milbank.co.uk | 01787 223931

WarmFloor Pro by Milbank Concrete Products utilises thermally efficient EPS panels and precast concrete beams to offer home builders a simple, cost-effective solution to quickly assemble an insulated beam and block style ground floor.

- **Simple and fast to install**
- **Cost Effective**
- **Sustainable**
- **Compatible with underfloor heating**
- **Industry Compliant**

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.

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

PRICES START AT £375

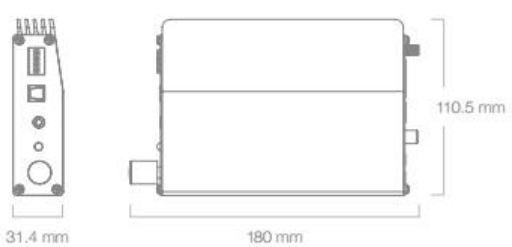
www.red-line.co.uk/viveroo











Compact, stylish and versatile **IA40-3** Amplifier

The **IA40-3** Installation Amplifier is a highly versatile unit and features digital, analogue and Bluetooth® inputs with Dolby Audio (Dolby Digital) for maximum flexibility. Designed for modern living, the IA40-3 is a Monitor Audio's small solution when superior sound is required in custom install projects.
Ideal for tight environments, it also works beautifully when paired with Monitor Audio in-ceiling speakers and passive soundbars.

Switchable between 3 or 2 channels with/without an active subwoofer, for a wide range of applications.

MONITOR AUDIO

monitoraudio.com/amplifiers


the decorative panels group
YOUR PERFECT PARTNER
See us at: Stand 104
Surface Design Show 2020
matt.
gloss.
laminated.
specialist
A variety of over a 100 highgloss, supermatt, woodgrain and fantasy designs.
Available in acrylic, PP, PVC and paper gloss finishes from the likes of Senoplast, Hornschuch and Renolit, among many others.
Contact us for more information.
Century House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HF
T: +44 (0) 1484 658341 E: info@decorativepanels.co.uk
www.decorativepanels.co.uk