

# ARCHETECH

Turning Dreams into Reality

Issue 47 £4.99





# PAREX

A SIKA COMPANY

# PAREXTRA

Training, product samples, technical support plus nationwide coverage from a leading render manufacturer.



## THE RENDER EXPERTS

Contact your sales advisor to find the Parex difference.

01827 711755

[parex.co.uk](http://parex.co.uk)

BUILDING TRUST



# ARCHETECH

Turning Dreams into Reality

## Main Features

Bathrooms & Kitchens 10 - 15  
Coatings 19  
Computing & Software 20  
Doors, Windows & Fittings 21 - 33  
Floors & Flooring 37 - 39  
Heating, Ventilation & Insulation 44 - 51  
Interiors & Interior Design 52 - 53  
Landscaping & External Works 56 - 57  
Lifts, Stairs & Balustrades 58 - 59  
Lighting & ElectricalX - 62 - 67  
Roofing, Cladding & Facades 74 - 78  
Safety, Security & Fire Protection 79 - 81  
Timber & Timberframe 87  
Editors Choice 90 - 101  
Editorial Highlights 106 - 113

## Case Studies/Trade Shows

### **SURFACE DESIGN AWARDS 2020 - 6**

The winners of the 2020 Surface Design Awards were unveiled at the prestigious breakfast presentation on the last day of the Surface Design Show at the Business Design Centre in London. The Awards celebrate excellence in architectural projects worldwide and the materials used in their creation.

### **ARM HOLDINGS HEADQUARTERS - 16**

Scott Brownrigg's design for a new headquarters for ARM Holdings has completed. The creation of the new head office on Peterhouse Technology Park recognises the technology designer's status as a global leader. Consolidating other ARM offices around Cambridge, UK, the new development will initially house 1,700 ARM employees and support its continued growth within the technology sector.

### **INTERNATIONAL PROPERTY AWARDS - 34**

Seaton Beach, an innovative seafront development of eight luxury apartments at Seaton in Devon, built to Passivhaus standards, has won 'Best Apartment Devon' for the Penthouse and 'Best Sustainable Residential Development in the UK' in the International Property Awards and is also the first multi-block development in the UK to be certified as "Passivhaus Plus".

### **URBAN PLANNING EXHIBITION CENTER - 54**

The Ningbo Urban Planning Exhibition Center is supposed to be more than just a simple presentation space. The goal was to create an engaging, accessible public space in the new district, and thereby foster the dialogue between citizens and decision-makers.

### **INNOVATION HUNAN CONFERENCE CENTER - 60**

The innovation Hunan conference center project is located in Hunan university student science and technology industrial park, high-tech zone of Ningxiang city, Hunan province. The east side of the base is the park square, the northeast side is the comprehensive building, the south side is the entrepreneurship plant, the west side is the incubator building, and the northeast side is the mountain park

### **YORK UNIVERSITY STUDENT CENTRE PUTS INCLUSIVITY AT THE FOREFRONT OF EDUCATION DESIGN - 68**

York University, Canada's third-largest university, opened a second student center on campus, designed to respond to the changing needs of York's large and diverse community.







Make  
your space  
the place

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



**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](mailto:antony@archetech-media.co.uk) with details of your latest project.

Visit: [www.archetech.org.uk/subscribe](http://www.archetech.org.uk/subscribe)





# KRUSHI BHAWAN BY STUDIO LOTUS NAMED **SUPREME WINNER** **AT SURFACE DESIGN AWARDS 2020**

• SURFACE DESIGN AWARDS 2020

The winners of the 2020 Surface Design Awards were unveiled at the prestigious breakfast presentation on the last day of the Surface Design Show at the Business Design Centre in London. The Awards celebrate excellence in architectural projects worldwide and the materials used in their creation.

The impressive *Krushi* Bhawan from Bhubaneswa, India by Studio Lotus was named the Supreme Winner, as well as winning the Public Building Interior and Public Building Exterior categories. Capturing the admiration of all the judges *Krushi* Bhawan is a testament to design, created for the Odisha State Government's Agriculture Department in India.



The centre incorporates an eye-catching façade drawn from vernacular materials and narratives, which responds to the local climate and offers glimpses into the region’s agricultural folklore and mythology, which have been envisioned at an unprecedented architectural scale.

Judge Paul Priestman of PriestmanGoode praised the project’s sense of place, stating “This building characterises part of the world. It’s a lovely reflection of culture using local materials.” Glenn Johnson of Collins Aerospace added “Somebody’s heart and soul is in this building.”

Across 14 categories in total, from retail and public buildings to commercial projects and housing, including new categories public realm and affordable housing, the Award’s entries comprised the best in architecture and design from across the globe. Giles Miller Studio, Mikhail Riches and Chris Dyson Architects from the UK, Steven Holl Architects for the USA, and Kris Lin International Design from China were amongst those shortlisted.

Launched six years ago, the Awards have continued to grow in stature to become one of the most respected accolades in the design awards realm. This year’s shortlist comprised an impressive 39 projects across the 14 categories. Such was the quality of entries submitted that some projects won nominations across several categories. Demonstrating the truly international reach of the Awards, projects on the shortlist spanned 13 countries from 34 different organisations with emerging practices represented, as well as established firms.

The 2020 judging panel of industry experts was Co-Chaired by Paul Priestman from PriestmanGoode and Amin Taha from Groupwork. The judges were Nikki Barton, British Airways; Sean Griffiths, Modern Architect; Charles Holland, Charles Holland Architects; Glenn Johnson,



Collins Aerospace; Daniel Mota Veiga, KEF / GP Acoustics and Steve Webb, Webb Yates Engineers.

The judging panel commended both the high quality and variety of entries within the field of surfaces and materials. The entries in the new affordable housing and public realm categories were particularly praised for their innovation and diversity in their respective sectors.

WilkinsonEyre and Zeidler Architecture’s CF Toronto Eaton Centre Bridge won in Public Realm after being admired for its avant-garde design. Goldsmith Street, based in the UK and designed by Mikhail Riches with Cathy Hawley, was applauded for its warmth and community feel by the judges, and was announced the winner of the Affordable Housing category.



Commercial Exterior: Nobu Hotel Shoreditch



Commercial Interior: Kingdom Design Studio

**THE 2020 JUDGING PANEL OF INDUSTRY EXPERTS WAS CO-CHAIRD BY PAUL PRIESTMAN FROM PRIESTMANGOODE AND AMIN TAHA FROM GROUPWORK.**





L&S Exterior: University of Sheffield Concourse

With sustainability at the top of the agenda throughout the design industry, the Sustainable Surface Exterior and Sustainable Surface Interior categories captured the judge's attention. Crystal Palace Park Café by Chris Dyson Architects, with its external cladding in half round cedar shingles, was the exterior winner whilst Muse Acoustic Panels, by Woven Image in collaboration with Michael Young won in the interior category.

The Housing Exterior category had an outstanding level of bespoke entries. House on an Island, by Atelier Oslo and Kebony, was rewarded the winning position with judges admiring the building's relationship with the nature that surrounds it. Winning the Housing Interior award, the elegant 20 Kings Road, London was highlighted for its complementary and sensitive use of materials.

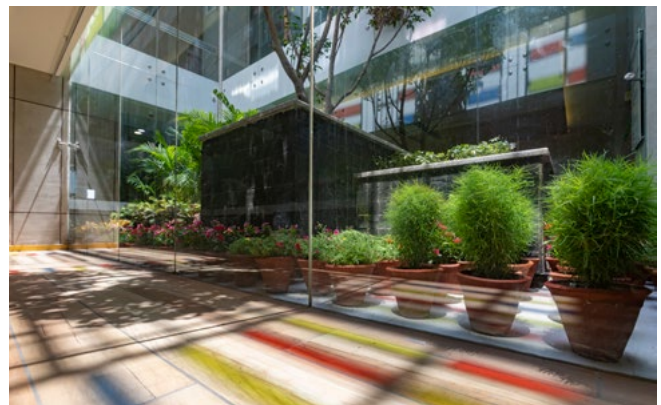
Designed by Arup, University of Sheffield Concourse's bold simplistic lighting was congratulated for making it a destination rather than an area to get through quickly, by creating a multi-use space to encourage students to sit, dwell and relax. Nikki Barton, British Airways, said Arup has "completely transformed and enhanced the space," with the entry being awarded the Light and Surface Exterior award.

Captivating the hearts of the judges, the Yashoda Cancer Hospital's open sky courtyard creates a focal point for the New Delhi hospital, and gives patients a place to escape and be surrounded by greenery. The pergola above the courtyard is made using a combination of colourful hanging glass panels which create a light-well filled with colourful shadows within the core of the hospital. The installation, designed by Studio An-V-Thot Architects, was highly commended for its commitment to creating a less-hospital-like environment for patients, being awarded the winner of the Light and Surface Interior.

Putting education at the forefront, Vora's Can Rosés Temporary



Public Realm: Toronto



L&S Interior: Yashoda Cancer Hospital

School claimed the Temporary Structures award for the redesign of an ancient Spanish farmhouse into a school for 3 years use. The judges were impressed by the innovative repurposing of an existing structure to create a school space with great character, which after the period of use will be easily dissembled.

The winner of the Commercial Building Exterior award was the expressive linear form of the Nobu Hotel Shoreditch by Ben Adams Architects, whilst Kingdom Design Studio by Kingdom Industry in the USA gained the Commercial Building Interior award. In an effort to be resourceful Kingdom Industry's design utilised raw materials in such a way as to elevate their intrinsic quality, creating an experience for visitors through differing break-out spaces, materials and environments used throughout the space.

United Cycling LAB & Store, which distributes and sells high-end brands for the bicycle market in Northern Europe, was named winner of the Retail Building award. Its first ever flagship-store and showroom was designed by Johannes Torpe to reflect the underlying principles of the company, creating a space that fosters knowledge, learning and innovation.

The Awards were hosted by author and independent event organiser Aidan Walker. The 2020 Awards are sponsored by Business Design Centre, HP ColorPRO, Informare, James Latham, MASS Concrete, Material Source, Lightbout.iQ, obo and Quiet Mark.



Sustainable Interior: Muse Acoustic Panels

Retail: United Cycling

Sustainable Exterior: Crystal

## The Surface Design Awards 2020 winners in full:

Project	Designer	Country
<b>Housing Exterior</b>		
House on an Island	Atelier Oslo & Kebony	Norway
<b>Housing Interior</b>		
Kings Road, London	Platform 5 Architects	United Kingdom
<b>Affordable Housing</b>		
Goldsmith Street	Mikhail Riches with Cathy Hawley	United Kingdom
<b>Light &amp; Surface Exterior</b>		
University of Sheffield Concourse	Arup	United Kingdom
<b>Light &amp; Surface Interior</b>		
Yashoda Cancer Hospital	Studio An-V-Thot Architects	India
<b>Public Realm</b>		
CF Eaton Centre Bridge	WilkinsonEyre and Zeidler Architecture	United States of America
<b>Temporary Structures</b>		
Can Rosés	Vora	Spain
<b>Commercial Building Exterior</b>		
Nobu Hotel Shoreditch	Ben Adams Architects	United Kingdom
<b>Commercial Building Interior</b>		
Kingdom Design Studio	Kingdom Industry	United States of America
<b>Public Building Exterior</b>		
Krushi Bhawan	Studio Lotus	India
<b>Public Building Interior</b>		
Krushi Bhawan	Studio Lotus	India
<b>Retail Building</b>		
United Cycling Lab & Store	Johannes Torpe	Denmark
<b>Sustainable Surface Exterior</b>		
Crystal Palace Park Café	Chris Dyson Architects	United Kingdom
<b>Sustainable Surfaces Interior</b>		
Muse Acoustic Panels	Woven Image in collaboration with Michael Young	Australia
<b>Supreme Winner</b>		
Krushi Bhawan	Studio Lotus	India



## About Novellini UK

**Novellini UK** is the British branch of Novellini Group

The most important shower enclosure manufactured in *Italy*. A vast range, extremely high quality and probably the most versatile in the market – anything is possible in terms of scale and design. Throughout the world Novellini creates *inspiring bathrooms* that appeal to individuals at home, via our merchant partners. Working alongside architects and designers, we create beautiful and functional bathrooms that complement the home, helping to create tranquil spaces promoting Well-being within the living environment.



Based in the beautiful market town of **St Albans**, Hertfordshire, we have a small but well stocked **Showroom** with multiple displays of enclosures, trays, baths and steam cabins. In order not to be disappointed please book in advance of your visit making sure we have the product you require on display.

Supported by vast *stocks* at our warehouse in Birmingham and serviced by experienced staff ready to support your needs.

All our products are maintained by our **qualified service engineers** and supported by parts readily available from stock.

Our products are: available **nationwide** through our merchant partners and retailers. Please use our store locator link on our website to find your nearest dealer or call us **directly** for more **information** on:

01727 229 922

[www.novellini.co.uk](http://www.novellini.co.uk)



## Discover our 2020 collections



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

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

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



# 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



**Take a closer look**

[www.lowheightdrain.co.uk](http://www.lowheightdrain.co.uk)







MADE IN  
BRITAIN 

## HORNBEAM IVY

A family owned British manufacturer of taps and accessories since 1986  
Solid stainless steel kitchen taps built to last a lifetime

T.01373 461693

[www.hornbeamivy.co.uk](http://www.hornbeamivy.co.uk)

# ACQUABELLA CELEBRATES THE IF DESIGN AWARD AND PRESENTS ITS NEW BATHROOM COLLECTIONS

Acquabella has become the leading brand in the manufacture of shower trays and bathroom equipment. The company, recently named Business of the Year at the European Business Awards, completes an excellent year which comes along with the 25th anniversary of the company. We interview Acquabella's CEO, Juan José Benavent, in order to know its consolidation as a reference in the bathroom industry.

## WHICH ARE THE DRIVERS BEHIND ACQUABELLA'S SUCCESS?

There are no miracles, just hard work and the ability to understand the changing market. We decided to differentiate Acquabella from the competitors in aspects such as the high-definition textures, the material and the design of a complete collection of 100% custom bathroom equipment for all our customers. Additionally, the high aesthetic value of Acquabella's products together with extraordinary technical characteristics make this an excellent option for contract and hotel projects.

## IF THERE'S ONE INDISPUTABLE LEADING FIGURE IN ACQUABELLA'S NEW COLLECTION, SURELY THAT'S SMART QUIZ, WHICH HAS RECENTLY WON THE IF DESIGN AWARD...

Definitely. The Smart Quiz shower tray has become the highlight of our novelties. Smart Quiz represents the story of Acquabella. 25 years of innovative creations that blend into a unique shower tray that is formed by different textures set beneath geometric patterns with a grid that is fully integrated into the shapes. This Award is a well-deserved recognition to Acquabella's product design and



development team who has been completely dedicated to working on the creation of such impressive and innovative collections. We are pleased to exhibit the prestigious red label that accredits this product as the winner of the iF DESIGN AWARD.

## AFTER SUCH A RENOWNED COLLECTION, WHAT NEW PRODUCTS IS ACQUABELLA PREPARING FOR NEXT SEASON?

It's still too soon to give details. The only thing I can say is there will be very attractive and surprising releases, considering our style and the way of understanding the product. These launches will have a strong innovative component thanks to the work carried out over the last few months in our brand new R+D Centre.

[www.acquabella.com](http://www.acquabella.com)

## 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. The Kinedo ranges enjoy 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](http://www.kinedo.co.uk)







# ARM HOLDINGS HEADQUARTERS

SCOTT BROWNING

Scott Brownrigg's design for a new headquarters for ARM Holdings has completed. The creation of the new head office on Peterhouse Technology Park recognises the technology designer's status as a global leader. Consolidating other ARM offices around Cambridge, UK, the new development will initially house 1,700 ARM employees and support its continued growth within the technology sector.





The two distinct office buildings are linked by a central reception and create a new gateway development into Peterhouse Technology Park; two decked parking areas for cars and bicycles are also provided. Tailored to ARM Holding's identity as the world's leading semiconductor technology designer, the building design is inspired by the structure of silicon. Scott Brownrigg's design references the science that underlies the technology of integrated circuits; a fundamental technology that controls everything from computers and cellular phones to wearable technology.

"The Silicon structure and Kikuchi bands (a pattern created when a Scanning Electron Microscope strikes crystalline silicon) have been used to inform the design of every detail of the building, from the external appearance of the shading fins, through to the atrium soffits and interior design, down to the bespoke door handles." [Ed Hayden, Director, Scott Brownrigg]

By utilising the silicon structure, the completed building provides employees with an inspirational working environment, reflecting ARM's global role in the development of integrated circuit technology. This is showcased within the headquarters' central atrium space, where visitors and employees are met by a dramatic silicon-structure design.

The interior design carries the silicon themes into every detail; focused working zones are separated, with crisp glazed partitions allowing visible connectivity across all spaces, whilst the collaborative areas break down the rectilinear forms into the 'diamond' areas, a focus for the exchange of ideas and concepts at the end of each office wing. The design detail permeates through to every element, including such details as the bespoke crystalline door handles.



THE NEW DEVELOPMENT WILL INITIALLY HOUSE 1,700 ARM EMPLOYEES AND SUPPORT ITS CONTINUED GROWTH WITHIN THE TECHNOLOGY SECTOR.





The silicon structure has also supported Scott Brownrigg's pursuit of reduced energy consumption within the BREEAM Excellent building. Director Ed Hayden explains: "The design of the elevations is crucial in reducing energy consumption and, therefore, the façade incorporates passive design features, in the form of 'silicon' aluminum fins, as appropriate to the orientation of each elevation. This has saved up to 25% of regulated energy."

Surrounding the gateway development is a designed landscape that includes a formal boulevard of Lime trees, a wildflower grassland meadow, a central plaza with a distinctive pavement detailing, and an area for social interaction, complete with barbecue. The design

## THE DESIGN OF THE ELEVATIONS IS CRUCIAL IN REDUCING ENERGY CONSUMPTION.

incorporates biodiversity improvements through the creation of new habitats such as brown roofs, and an increase in habitat connectivity between neighbouring areas.

[www.scottbrownrigg.com](http://www.scottbrownrigg.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 DOUBLES SILICATE COLOURS

Exterior masonry is probably the toughest test of all for a paint. It needs to be durable and weatherproof, as well as good looking and not all masonry paints were born equal. Ecopro Silicate Masonry Paint is a highly durable, breathable and weather resistant mineral paint, which is also is virtually VOC and toxin free.



*The lime rendered walls and stone window sills of this exterior courtyard feature Ecopro Silicate Masonry Paint.*

Earthborn believes its Ecopro Silicate Masonry System is the most advanced masonry paint available and in response to a growing demand, it is increasing the colours available from 24 to 48.

The system comprises a primer and paint, which together form a chemical bond with the underlying mineral substrate. The result is a very hard wearing, water and weather resistant barrier, yet it is highly breathable, which prevents moisture damage within walls.

Now, both the primer and all of the 48 paint colours are available in 100ml tester pots, so the whole system can be tested on site.

The new colour card and tester pots can be ordered from the Earthborn website.

[www.earthbornpaints.co.uk](http://www.earthbornpaints.co.uk)



**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](http://www.sioox.org.uk)

SWEDISH PATENTED SILICON TECHNOLOGY

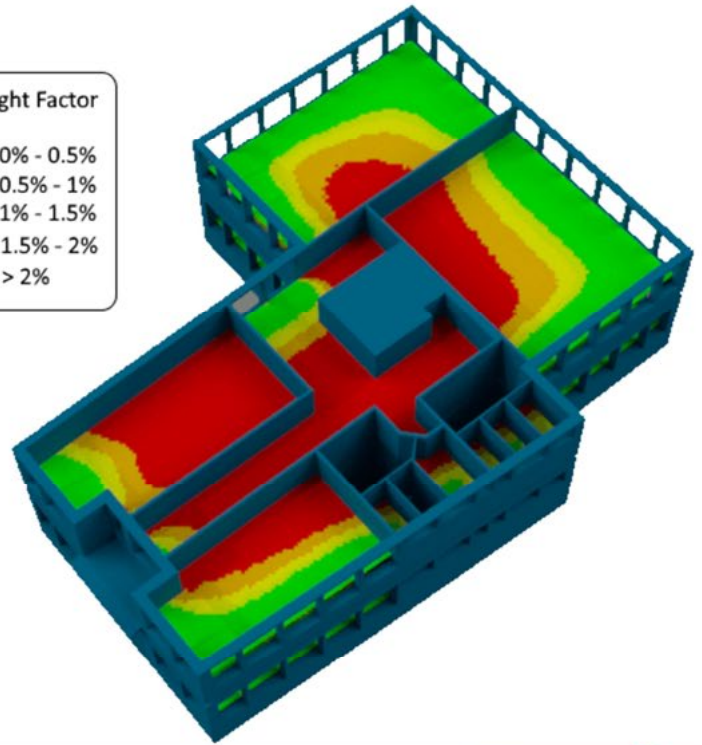
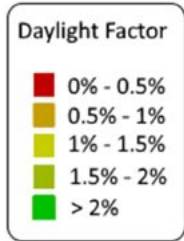
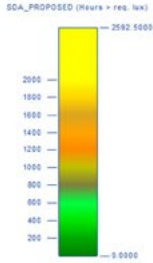


*Photography by Alex Campbell.*





**mbs**  
SOFTWARE



# Waldram Tools - Daylighting Software

BREEAM  
LEED  
EFA  
BS EN17037

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.

Many metrics have been included

- LEED
- BREEAM
- EFA - Education Funding Agency
- BS EN17037 - New European standard

Running inside AutoCAD makes for a powerful combination of modelling capabilities allowing any situation to be analysed.

- BRE Compliance tests VSC, APSH, NSL, Sunlight to Amenity and Average Daylight Factor
- Rights of Light contours
- Complete excel exports
- Automated transient shadow images
- BREEAM/LEED/EFA/EN17037
- SDA, ASE, UDI, View out, Glare DGP
- Potential Solar Glare
- Solar Radiation
- Facade Analysis

Runs in

- AutoCAD
- Revit
- Sketchup

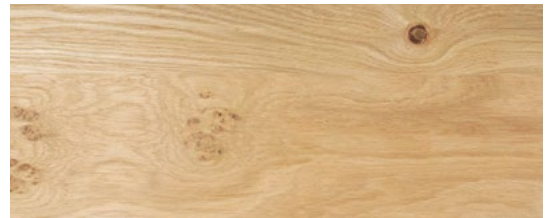
For more information contact us on:

020 3176 0984 • [info@mbs-software.co.uk](mailto:info@mbs-software.co.uk) • [www.mbs-software.co.uk](http://www.mbs-software.co.uk)





# TAKING A LEAF OUT OF NATURE'S BOOK



Figurative knots and distinctive woodgrain configurations are both authentic and much loved wood characteristics, that are admired and sought after by specifiers everywhere. This desire for irregularity and a closer affinity to nature, has led leading interior timber door manufacturer, Vicaima to introduce the new Naturdor® Heritage Oak finish. With its open grain and randomly mixed real Oak veneer, it takes a leaf out of nature's book.

As a leading exponent in the use of trend-setting designs and with over 60 years' experience in the manufacture of real veneered products, Vicaima's Heritage Oak doors present figured oak veneer that entices the senses of true rustic wood lovers. This new wood veneer treatment has been inspired by authentic influences of nature and reflects a more recent market trend towards wooden doors that embody materials made from more genuine and under refined materials.

Naturdor® Heritage Oak reflects the unexpected harmony of nature, with veneer mixed randomly in a choice of either vertical or horizontal designs. These can have either a matt or standard sheen surface depending on taste. Heritage Oak can be enhanced yet further by the potential collaboration of decorative face grooves, or the option of deep texturing. Introduced for 2020, Deep textured allows real veneer to take on a more rustic feel for an even greater tactile experience. Other combinations are afforded by a choice of available frame finishes, ranging from Naturdor® Oak and Stained Ash to Dekordor® foil or Laccdor paint, creating a unique style to the whole door assembly. This fusion between a rustic oak veneer appearance, optional face grooves and choice of frame finishes, allows Heritage Oak to blend in and accentuate modern living and working space for a multitude of applications.



Emphasizing its commitment to the planet and to the sustainable use of natural resources, Vicaima Heritage Oak is covered by FSC® certification. Where performance criteria are demanded, Heritage Oak is also available in fire, acoustic and security solutions. In addition to door only and door and frame assemblies, matching wardrobes and wall panels can also be provided.

**Visit the Vicaima website [www.vicaima.com](http://www.vicaima.com).  
For further inspiration and trend-setting ideas.**



---

# TOUCH

## IRONMONGERY LTD

[www.atouchofbrass.co.uk](http://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.

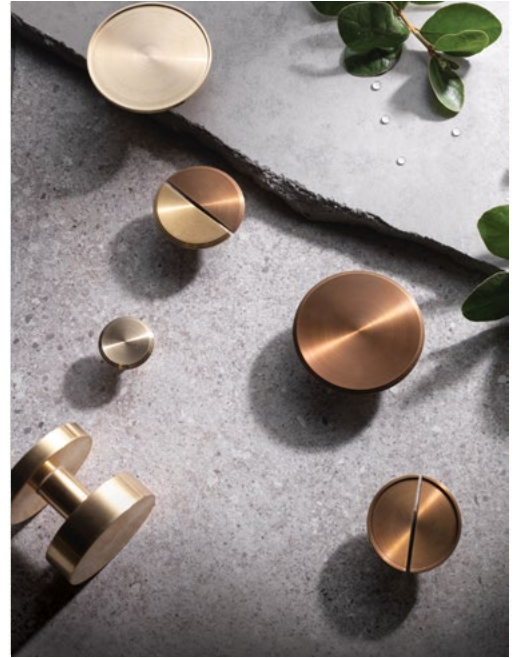
The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), art deco and contemporary pieces also make up the product ranges. In addition, Touch showcases the very best of British manufacturing; the best ranges are 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 of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying any items that can be refurbished. Refurbishment is a large part of the business; Touch will undertake complete ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as new, at a fraction of the cost to replace.

**For more information about Touch Ironmongery or to arrange a  
showroom visit please call 0207 351 2255 or alternatively  
visit [www.atouchofbrass.co.uk](http://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.

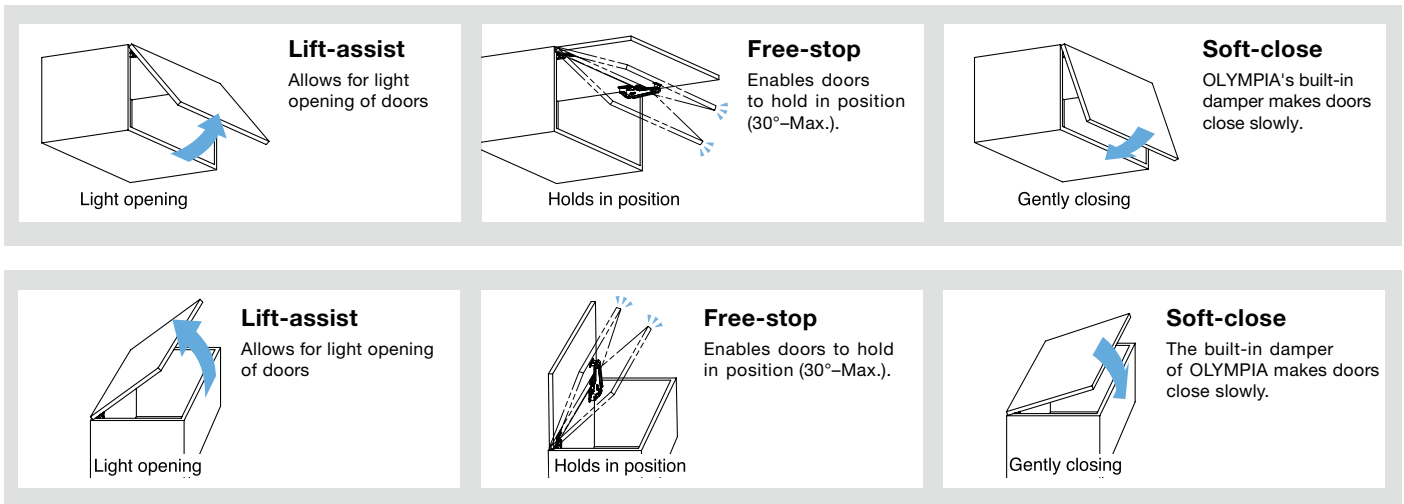
Olaria, available from Touch Ironmongery

[www.atouchofbrass.co.uk](http://www.atouchofbrass.co.uk) & [www.olariabarcelona.com](http://www.olariabarcelona.com)





# Sugatsune Concealed Hinges: Lifting the Lid on an Evolving Concept



If there is one thing we have learned at Sugatsune from more than 80 years in the component engineering business, it is that design never stands still. Even when innovative new concepts break through and seem to redefine the thinking around a particular product type, there is always room to improve, always new places to explore.

Our 230 range was part of what you might call the 'first generation' of concealed hinges. Designed and engineered to Sugatsune's usual impeccable standards, it was a more than serviceable, hard-wearing, reliable concealed hinge option, doing everything other concealed hinges could do.

But we've never been satisfied with our products just matching the competition. We are always looking for ways to go above and beyond.

Introducing the Olympia concealed hinge. The Olympia improves on the

form and function of its predecessor in several ways - it has a slimmer, sleeker profile so takes up less space, it is easier to install onto the mounting plate, and once in position it is easy to adjust alignment using three screws.

But the real innovation behind the Olympia range is the inclusion of our Lapcon technology in a soft close damper system. Door dampers are used to create slow closing motion, to prevent slamming and trapped fingers but also to give a sense of precision and control to the swing of a door. What is unique about the Olympia damper system is that it offers five-point adjustment, so you can alter the counter-force to get the right amount of control for different sizes and weights of door.

By integrating the damper mechanism within the Olympia hinge, we have been able to offer two solutions in one - a premium quality concealed hinge with flexible soft close functionality, without any need to install a separate

damper. We have taken the concept further again with the AILERON Olympia lid stay. The AILERON can actually be described as a three-in-one solution - a concealed hinge for two orientations; vertical-opening flaps and lids that also include soft close control and an adjustable stay that will hold the lid in any open position past 30 degrees. With no need for side mounting for this stay your toy box or overhead cupboard becomes easier to access and with no need for partitions to mount from, you can decide how big you want your space.

Our concealed hinge journey is far from over. This summer, we will add safety caps and a new slimline mounting plate to the Olympia range - as well as relaunching the entire line in black, giving furniture makers and interior designers a new look to incorporate into their plans.

Watch this space for where we might take the concept next.

# Stay's - Opening Reimagined

The Sugatsune AILERON Olympia - two concepts, three functions, one premium product.

A combined concealed hinge and stay for both, Top and Upward opening lids and flaps, the AILERON delivers feather-light lift assist, free-stop hold in any open position and adjustable soft close control.

More than the sum of its parts. That's the Sugatsune way.



**AILERON Lid Stay**



**OLYMPIA Concealed Hinge**



Japanese manufacturer of  
**LAMP**® and **Zwei L**®  
branded products

**FURNITURE, ARCHITECTURAL, MARINE AND INDUSTRIAL HARDWARE**

Unit 635, Wharfedale Road, Winnersh Triangle, Wokingham, RG41 5TP

Tel: 01189 272 955 Email: sales@sugatsune.co.uk

[www.sugatsune.co.uk](http://www.sugatsune.co.uk)





# PAINTWORKS **APARTMENTS**

: DROOP PROJECTS

DROO has completed The Paintworks, a contemporary mixed-use building over 1550m<sup>2</sup> in Shoreditch, London. Set in a conservation area, The Paintworks is a former artists workshop and art supplies store on the corner of Kingsland Road and Falkirk Street. DROO has converted and added to the existing building to become a contemporary collection of 8 apartments, ranging from 1 – 3 bedrooms, and 2 office spaces. DROO has also designed the interiors, with a focus on natural light and accentuating the space, to create a perfect blank canvas for residents to enjoy city living.

From the outside, a white, custom-textured 'crumpled paper' façade envelops the minimalist structure and is a nod to the building's history as artists workshops. Large framed box bay windows on each of the four floors bring to mind canvases and serve to flood the building with light and frame views out on to the city. The architectural language is articulated, but with modest restraint.

Materially, the façade is made of recycled resin and a concrete compound called Acantha Papyrus. DROO created the particular texture especially for this project, to be an echo of the building's story. The material is environmentally sustainable due to the recycled content, and it is also extremely light, resistant to heat, temperature, and weathering.

Ultimately the site was very challenging and tight. It borders on Hackney college on one side, and the Kingsland Road terrace conservation area on the other. Many sight lines had to be taken into account, as well as ensuring the overall structure fit within the neighbourhood. The sheer quantity of glazing and the very large windows are skilfully incorporated to make sure that the sightlines and privacy of both occupants and neighbours are protected. The team endlessly pushed and pulled floorplates to produce an articulated façade system that respects all of the conservation constraints.

DROO's design includes an extensive extension to the basement, and into what was the rear carpark on the site. The building is an extension of Victorian industrial warehouse so the geometry of the original building lines extends along with the slabs of the extension, and the bay window line extends to the perimeter of the site. This allows for the solid façade itself to sit back, and thus for the existing building to appear nestled into the far larger extension. The effect is of a sensitive dialogue between the original and new structures, rather than a hard division along the same plane.

DROO says "We sought to create layers of space within a thick façade of projecting glazed bay windows, which hang like picture frames



on to the surrounding context. They create a dialogue between the building's past and future. The windows are both within and outside the envelope concurrently and create an in-between space within vast volumes, in which one may sit perched between the city and interior."

[www.drooprojects.com](http://www.drooprojects.com)



**MANY SIGHT LINES HAD TO BE TAKEN INTO ACCOUNT, AS WELL AS ENSURING THE OVERALL STRUCTURE FIT WITHIN THE NEIGHBOURHOOD.**





## 'ARCHITECTURAL ANODISING EXPLAINED'

We live in an architectural aluminium world which is predominantly powder coated in a multitude of colours which offers warranties for colour and gloss retention over an extensive lifetime. Anodising, on the other hand, has all but disappeared apart from it appearing on a few prestigious projects. So what is anodising and why is it proving popular again?

In simple terms, anodising is an evenly controlled 'corrosion' of the surface of the aluminium, turning aluminium into 'aluminium oxide' similar to iron oxide (rust) on steel. The difference with aluminium oxide is that once it has been created on the surface of the aluminium it completely seals the base aluminium from further corrosion, unlike steel. So anodising is not an applied finish but a conversion of the surface of the aluminium, so it will not peel or flake. Done to the right quality and the materials, life expectancy can last many decades without fading.

The anodising process is accomplished by immersing aluminium into an acid electrolyte bath and then passing an electric current through the medium. A cathode is mounted to the inside of the anodising tank and the aluminium itself acts as an anode. Oxygen ions are released from the electrolyte to combine with the aluminium atoms on the surface of the profile.

Anodising is simply a highly controlled process of a naturally occurring phenomenon.

Anodising aluminium profiles for fenestration takes a specialist

plant as the immersive process requires long tanks, often up to 7 metres long to accommodate full lengths of aluminium profile, which is a heavy investment. Once installed, every plant acts differently and the learning curve is as equally complex for the operator.

So what about the 'die lines'? Simply put, dies which have visible faces require more attention prior to use for an anodised finish. These dies need to be polished and cleaned more regularly as the extrusion process can be quite abrasive on the surface of the die. More complex shaped dies have what is known as 'weld lines', this is where the die design incorporates an internal mandrel, often to create a hollow profile. Where the aluminium flows around the mandrel supports and joins again within the die, this often leads to higher temperatures at this point and can affect the anodising by changing its shade. Die design can be changed to put these weld lines on a corner, or recess to make it less visible, but with an increase in die cost.

**THE ANODISING PROCESS IS ACCOMPLISHED BY IMMERSING ALUMINIUM INTO AN ACID ELECTROLYTE BATH AND THEN PASSING AN ELECTRIC CURRENT THROUGH THE MEDIUM.**



Aluprof, one of the largest producers of aluminium fenestration systems in Europe, produce dies that are dedicated to each finish. The more expensive, often hand finished dies, are kept for anodising specifications. Another key to creating a good anodised finish is the ability to extrude and anodise within a short space of time, thereby reducing the opportunity for natural oxidation beginning to occur. Aluprof extrude profile through these higher quality dies which offer higher quality surfaces with a significant reduction in 'die lines' and 'weld lines'. Once these profiles are etched and anodised they offer a high quality surface which is both very hard wearing and long lasting.

Anodising standards generally referred to include BS EN ISO 7599:2018 - 'Anodising of aluminium and its alloys — Method for specifying decorative and protective anodic oxidation coatings on aluminium' and QUALINOD, a independent association located in Zurich. Whilst the QUALINOD specification includes a specific anodising specification to meet an architectural standard; BS EN ISO 7599 mainly deals with general anodising for engineering use and is a method of specifying, not a specification in its own right. Unless the specifier is experienced in agreeing the criterion for the finished product under BS EN ISO 7599:2018, then the QUALINOD specification should be used as it lays down criterion and it's licenced members are also inspected by an independent test house to ensure compliance with the QUALINOD standard. The QUALINOD standard does encompass almost all of BS EN ISO 7599, but goes much further to ensure anodising is fit for architectural use. Aluprof are a licenced member of QUALINOD.

Anodising is also now becoming a choice for pretreatment of aluminium prior to powder coating. A very thin anodising of just five microns seals the aluminium prior to powder coating. This sealing or 'conversion coating' has traditionally been completed in chrome or chrome free coatings. The claim for the use of 'pre-anodising' or 'flash anodising' prior to powder coating is that it avoids the appearance of a type of corrosion known as filiform corrosion.



Anodising plants are also very costly to design and install, utilising high voltage and specialist transformers to rapidly and evenly create an anodised finish. Because of its combined use of a finish in its own right and as a 'conversion coating' prior to powder coating, in the UK alone there has been two new anodising plants come on-line in the last couple of years with further plants planned.

As specifiers tend to specify shades of grey for the majority of fenestration projects, anodising can be specified in both bronze finish and shades of grey. This is created by the introduction of trace metals such as cobalt or tin during the anodising process. Interestingly, as the anodising is 'clear', the introduction of these metals forms an optical colour, which cannot fade over time.

As aluminium hardness will differ from profile to profile and grades differ, for example when using sheet aluminium in cill pressings, it is inevitable that the anodic film will vary in composition which will lead to a natural variation in perceived colour. As aluminium profile is extruded the material takes on a 'grain', so the same anodised profile turned through 90° will also vary in shade. This is a natural effect and most specifiers see this offering a richness to the very hard wearing finish that anodising can offer. To limit colour variation it is normal for the supplier of the anodising to offer upper and lower colour limits at the time of specification.

Crucial for specifiers is the knowledge that higher quality dies should be used for producing profiles for anodising and this is something that should find its way into specification for the finish. It then becomes crucial to ensure that the systems company that can offer extrusions at a higher quality, dedicated for anodising, also offer the finished profile.

With these quality issues in mind, the specifier will be aware of the need to choose a quality company for the anodising process and ensure that the aluminium is of the highest quality with its surface free from natural corrosion. It is normally best to specify an aluminium systems supplier who can offer quality anodising, otherwise issues can arise where the systems company and anodiser are unwilling to rectify issues with surface finish problems. This can lead to expensive replacements in finished projects. Unlike powder coating, anodising can't be repaired on-site.

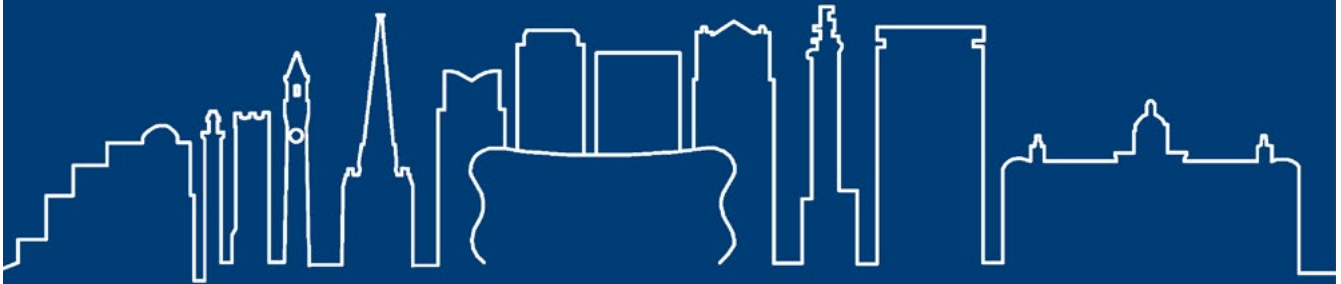
Since setting up the Aluprof Project Office at the Business Design Centre in London the systems company has rapidly grown their specification influence in the UK with their high performance architectural aluminium systems. With overseas growth across Europe spreading into the Middle East and firm roots already in the East of the USA, the company is becoming a global player in facade supply.

**Further information is available on the companies website at [aluprof.co.uk](http://aluprof.co.uk) or direct from their UK office in Altrincham on 0161 941 4005.**





A friend of the BAA



Supporting Birmingham's  
Architecture & Design Community

## REYNAERS PARTNERS WITH THE BIRMINGHAM ARCHITECTURAL ASSOCIATION TO PROMOTE LOCAL ECO-BUILDING

In a bid to support the development of more eco-friendly buildings in Birmingham and local architects, Reynaers Aluminium Ltd (Reynaers) has teamed up with The Birmingham Architectural Association (BAA), in a year-long sponsorship which will see the company become a 'Friend of the BAA' until late 2020.

The BAA, founded in 1874, represents people in the local area who have an interest in architecture. Run by a community of people from a variety of practices based in the city, their aim is to promote, support and share knowledge through their community.

David Lomax, Consult Project Manager at Reynaers, comments: "It's imperative as an industry leader that we connect with our customers and are aware of the industry issues they face. Our partnership with the BAA will provide us with an opportunity to engage with the local architectural community, support them and share our expert knowledge.

"Drawing on our slogan 'together is better,' we are keen to build deeper relationships with local businesses, not only being a supplier, but also a valuable partner— for Birmingham's architects, fabricators, project developers, investors and end users. Our core

values are innovation, excellence, loyalty and respect and our aim is to demonstrate these through our partnership with the BAA."

Reynaers has long been championing the eco-friendly benefits of aluminium in construction; the recycling of aluminium scrap currently saves around 80 million tons of greenhouse gas emissions each year, the equivalent of removing 15 million cars from the world's roads.

Reynaers has recently invested in a new £6 million UK headquarters based in Hollymoor Way, Northfield. The award-winning business has been designing cutting-edge glazing solutions for over 50 years, supplying sustainable aluminium solutions for windows, doors, curtain walling, sliding systems, sun screening and conservatories for some of the world's most iconic buildings.

"We are extremely excited for the new year ahead with support from our new friend Reynaers. Reynaers; a Birmingham based aluminium systems supplier supporting the local construction and architecture industry in the West Midlands." Marina Strotz Birmingham Architectural Association President.

**For more information about Reynaers visit [www.reynaers.co.uk](http://www.reynaers.co.uk).**



## THE ALL NEW VIER PREMIUM DESIGNER RANGE

Made from Grade 304 stainless steel, the new Vier Premium designer range combines high-quality manufacturing techniques with a series of luxuriously designed levers on an all new slim-line magnetic sprung rose for a sleek aesthetic appeal.

Call: 01228 672900  
Email: [sales@zoo-hardware.co.uk](mailto:sales@zoo-hardware.co.uk)  
Visit: [www.vierdesign.co.uk](http://www.vierdesign.co.uk)

Vier Premium is part of Zoo Hardware Ltd.

## Architectural Vision Panels

For Doors & Walls



Complete glazing system - Fire rated options - Easy installation - Brass options available

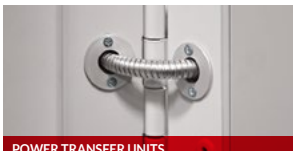
**North 4 Design Ltd**  
T: 0208 885 4404  
[www.north4.com](http://www.north4.com)



PORTHOLES



LOUVRES



POWER TRANSFER UNITS

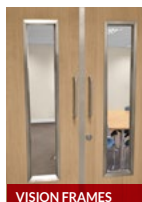


LOCKS AND CYLINDERS



FLUSH BOLTS

**SPECIALIST  
ARCHITECTURAL  
HARDWARE SUPPLIERS  
TO THE DOOR  
OPENINGS INDUSTRY**



VISION FRAMES



FINGER PROTECTION



DOOR STAYS



PANIC HARDWARE



ACOUSTIC SEALS

ZERO SEAL SYSTEMS LTD  
UNITS 43-45 LADFORD COVERT SEIGHFORD STAFFORD ST18 9QG  
TEL - 01785 282910 E-MAIL - [SALES@ZEROPLUS.CO.UK](mailto:SALES@ZEROPLUS.CO.UK)  
[WWW.ZEROPLUS.CO.UK](http://WWW.ZEROPLUS.CO.UK)

**ZERO** plus

## METAL TECHNOLOGY - REDEFINING STUDENT LIVING AT 123 YORK STREET

Many cities throughout the UK have seen a proliferation of high spec student accommodation and Metal Technology's range has proved extremely popular for such applications. In Belfast, 123 York Street Student Accommodation, with its varied and complex façade interfaces between cladding and glazing, showcases Metal Technology's latest architectural glazing technology.



The front entrance screen utilises a 230mm mullion construction which enabled the main entrance to be free of visual structural steel, a key element of the design as specified by project architect Gavin Sloan of RMI and the building has been awarded Belfast Telegraph's "Commercial Development of the Year". This commanding entrance was achieved using Metal Technology's System 17 curtain walling and System 5-20DHi+ Heavy Duty Thermal Doors. The project also used the performance and operational benefits of System 5-35Hi+ Tilt & Turn Thermal Windows using perimeter locking combined with ventilation benefits, System 10 Automatic Sliding Doors and System 26Hi+ Bi-Fold Thermal Doors.

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

For more information, visit: [www.metaltechnology.com](http://www.metaltechnology.com)



## ASSA ABLOY PROJECT SPECIFICATION GROUP PROVIDES GUIDANCE ON THE STANDARD FOR DOOR CLOSER COMPLIANCE

ASSA ABLOY Project Specification Group addresses the issues around door closers, ensuring durability and compliance are not compromised in the specification process.



Specification of the correct door and hardware combination is essential to ensure that the right architectural appeal, functionality and longevity is achieved, but most importantly that safety regulations are not compromised.

Since fire doors are critical life-saving elements in many buildings, it is essential that they operate effectively – and the role of door closers is one not to be taken lightly. Designed to restrict the spread and initial development of a fire, as well as protect escape routes, doorsets should provide lasting protection before and even after a fire evacuation, but this can only occur when the door closer is installed and working correctly – in other words, ensuring fire doorsets are properly closed.

To find out more about ASSA ABLOY's door closers, visit: <https://bit.ly/3bGdr2i> or for more information on the unrivalled capabilities of Openings Studio™ visit [www.assaabloyopeningsolutions.co.uk/en/local/uk/project-specification/specification-bim/assa-abloy-openings-studio/](http://www.assaabloyopeningsolutions.co.uk/en/local/uk/project-specification/specification-bim/assa-abloy-openings-studio/).

## P C HENDERSON'S TANGENT ROUND THE CORNER SPECIFIED FOR UK'S LONGEST HERITAGE RAILWAY

P C Henderson has recently been specified for a new build project at the UK's longest heritage railway - Ffestiniog and Welsh Highland Railway. As the oldest independent railway in the world, Ffestiniog and Welsh Highland Railway is a major tourist attraction - taking passengers on a scenic 40 mile journey through the hills between Blaenau Ffestiniog, Porthmadog harbour and Caernarfon.



Boston Lodge Works is the railway's main workshop and base for the daily train service. With over 55 carriages in service, the station required a storage facility which could house up to 30 carriages whilst also providing shelter for train cleaning and preparation which could be done away from the public eye. The project brief included the need for a robust entrance solution which could provide easy accessibility to the shed.

Ian Hartill, Project Engineer at Ffestiniog Railway, commented "The original brief detailed the use of traditional outward opening hinge doors which we have used in previous projects. However, due to the coastal location of the building and the possibility of strong winds, this option was not possible. As a more suitable alternative, we found P C Henderson's Tangent Round the Corner which could comfortably hold the large custom made doors".

[www.pchenderson.com](http://www.pchenderson.com)

## COMAR 7P.I FSDX – BRITISH BY DESIGN

The next generation of aluminium bi-fold, folding sliding door has arrived from Comar Architectural Aluminium Systems.

Comar FSDX: Superior, stabilised rolling action with the quietest roller in the industry and improved weight bearing capacity means fit-once and reduced call outs. The new outer-frame is one profile and is used for the track and jambs which reduces stock holding. It is a mitre frame construction with 2 crimping options: pinned cleats for creating pre-assembled outer frames that can be shipped to site or mechanical cleats which means the outer-frame can be shipped to assemble on site – a key consideration when larger door sets are to be installed.

### Comar FSDX eXtra Roller

The stainless steel dual roller seamlessly integrates with the stainless steel running track, with a stabiliser the wheels always remain in contact with the track, which, means that even if the track is slightly mis-aligned due to building tolerances the smooth rolling action is not hindered. The weight bearing capacity is increased to 120Kg which with the FSDX's glazing pocket of 62mm triple glazed or acoustic glass can easily be incorporated.

### Comar FSDX eXtra - Track

Superior thermal performance with integrated stainless-steel rail means that low U-values and continued performance are

guaranteed. The intelligent design of the profile means the same profile is used for the jambs and the head, providing mitre frame construction and two options for site transport – pre-assembled or stick using pinned crimped cleats or mechanical cleats.

### Comar FSDX eXtra - Glazing

The view out of the FSDX door offers the homeowner that little bit eXtra. With the slimmest sightlines available of 60mm, the doors maximise daylighting into the home. Maximising glazing without lacking performance the maximum width of the doors has been increased allowing door sets to be over 4M with only 3 doors.

### Comar FSDX eXtra - Hinges

The new hinge design incorporates a central gasket strip, which actively reduces hinge gasket prep and site installation. Even the roller pillar has been treated with consideration and pre-applied foam pads seal the

roller to the door. This increases home-owner satisfaction with a draft-free solution and no call backs for the installer. Adequate sealing between the sliding doors ensures that a long-term solution is guaranteed.

For further information about Comar Architectural Aluminium Systems, please visit [www.comar-alu.co.uk](http://www.comar-alu.co.uk) call 020 8685 9685 or email [projects@parksidgroup.co.uk](mailto:projects@parksidgroup.co.uk)



# TRADITIONAL TIMBER **WINDOWS AND DOORS**

The Sash Window Workshop are timber window and door specialists. Established in 1994, the company has extensive experience working on a wide range of restoration projects including work on Victorian, Edwardian and Georgian properties.

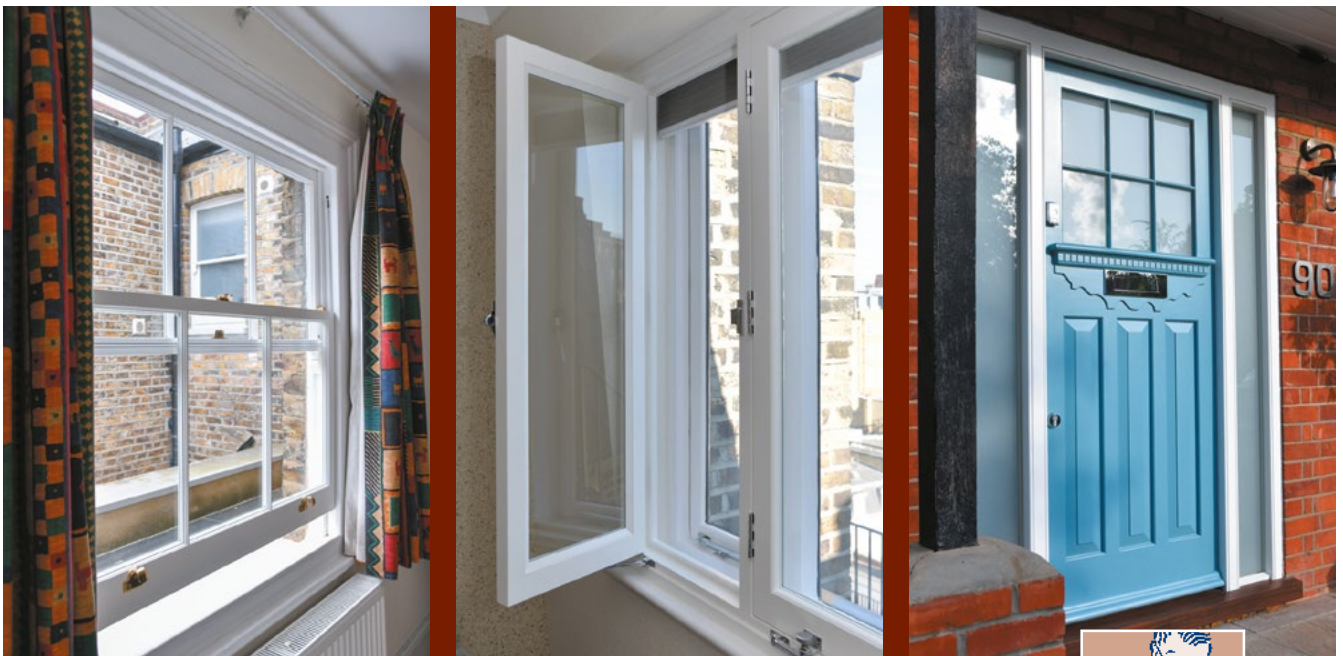
The company offer a wide range of services, including: new timber windows and doors, with a supply and fit, or supply only service; new sashes into existing window frames; secondary glazing; and a draught proofing and overhaul service.

The Sash Window Workshop pride themselves on providing tailor made solutions to suit their clients' requirements. They understand the importance of completing the required work within the timeframe of your project and will work with you to ensure that deadlines are met.

All their replacement windows are bespoke and manufactured in their workshop in Berkshire to the highest standards. Their new windows and doors are designed to give the best possible performance, combining minimum maintenance with maximum lifespan.

The company have recently been shortlisted for Homebuilding and Renovating's Best Door Supplier award, highlighting the quality of their work. The Sash Window Workshop are also FSC® Certified, FENSA registered and members of the Which? Trusted Trader scheme.

**To obtain a free, no obligation quotation, contact The Sash Window Workshop on: 01344 868 668 or email [info@sashwindow.com](mailto:info@sashwindow.com). You can also visit their website: [www.sashwindow.com](http://www.sashwindow.com).**



## High Quality, Traditional Timber Window and Doors

*Providing Tailor Made Solutions For Your Project. Period Property Experts.  
Supply Only, Supply and Install, Draught Proofing and Overhaul.*



**01344 868 668**

**[www.sashwindow.com](http://www.sashwindow.com)**



**THE SASH  
WINDOW  
WORKSHOP**





# INNOVATIVE LUXURY DEVON PASSIVHAUS **APARTMENT BLOCK WINS**

INTERNATIONAL PROPERTY AWARDS

Seaton Beach, an innovative seafront development of eight luxury apartments at Seaton in Devon, built to Passivhaus standards, has won 'Best Apartment Devon' for the Penthouse and 'Best Sustainable Residential Development in the UK' in the International Property Awards and is also the first multi-block development in the UK to be certified as "Passivhaus Plus".

Seaton Beach at East Walk is a stunning, contemporary four-storey development based in a seaside town on the South West coast of England, which is part of the Jurassic Coastline, designated as a UNESCO World Heritage Site.

Seaton Beach is one of just over 300 fully certified Passivhaus projects constructed in the UK in the last 15 years. Passivhaus applies a rigorous, voluntary standard for energy efficiency, which results in ultra-low energy buildings, reducing their ecological footprint. With a constant supply of silently circulated filtered fresh air, solar panels to minimise the running costs and reduce the carbon footprint, triple glazing, extra insulation and airtight construction, the Seaton Beach apartments are full of light and cool in the summer and warm in the winter, using 90% less energy than a typical new build.

The developers met the 'Lifetime Homes' criteria which allows for the property's design to be made so people can utilise the apartments as a forever home. In addition, a 'Secured by Design' Gold Award guarantees the incorporation of features that will enhance the owners' physical security and protection against crime. Seaton is a very low crime area, however this future proofs the development, much the same as the allocated secure parking that is pre-wired for charging electric cars.

The International Property Awards judges praised the fact that Seaton Beach apartments respect and reflect the beauty of Seaton's coastline and the surrounding countryside. Their striking, contemporary, yet sympathetic design offers the apartments the special qualities of space and light in the interior which are more than matched outside by the spectacular balcony sea views along the coastline. The elements of the beautiful vista are incorporated into the design by adding curves into the sea front balconies to mirror the shape of the bay. The use of colour highlights the beautiful red cliffs of Lyme Bay and at ground level, pebbles were utilised on the front wall, reminiscent of the beach, thus creating texture and a natural look. As sustainable developers, the team salvaged these from the original boundary wall to be in keeping with the neighbouring properties.



THE DEVELOPERS MET THE 'LIFETIME HOMES' CRITERIA WHICH ALLOWS FOR THE PROPERTY'S DESIGN TO BE MADE SO PEOPLE CAN UTILISE THE APARTMENTS AS A FOREVER HOME.





**WE'RE VERY PROUD TO BE PART OF THIS PROJECT AND DELIVER PRACTICALITY AND COMFORT TO THE HOMEOWNERS.**

Mike Webb, Seaton Beach managing director, says of the awards, "To be recognised by our industry peers for our Passivhaus apartment block is a great honour. Not many UK developers build to this standard from Germany now over 30 years old and globally recognised. We could have taken the traditional route, however we believed it was the right way forward for the environment. Our new owners will experience extremely low bills with very high comfort levels." Mike, who re trained as a certified Passivhaus consultant, plans to help other self-builders and developers achieve this standard too, offering a unique "try before you build" consultancy service.

Alex Alsop from Norrskan, the company which supplied and installed the high performance triple glazed windows and sliding doors, adds, "We're very proud to be part of this project and deliver practicality and comfort to the homeowners. On this occasion we worked closer to our Dorset head office, under the blue skies of Devon, but we cover the whole of the UK so we're looking forward to answering more questions about our products and services at the South East Homebuilding & Renovating Show, taking place from 18-19 January at the Farnborough International Exhibition & Conference Centre."

This luxury development of 8 apartments has sold quickly with just three apartments left including the exclusive penthouse apartment on the fifth floor. Prices start at £524,000.

**To enquire about Seaton Beach call 07968 170896 or register via [www.seatonbeach.co.uk/](http://www.seatonbeach.co.uk/).**



# Raised Access Flooring

Specified, Manufactured, Installed & Certified



[www.bathgateflooring.co.uk](http://www.bathgateflooring.co.uk)  
[info@bathgateflooring.co.uk](mailto:info@bathgateflooring.co.uk)  
Tel: 01432 347700

**BATHGATE**

FLOORING

## ORGANOWOOD®



**EXTERIOR WOOD PROTECTION**  
FOR MORE ATTRACTIVE AND DURABLE WOOD

**01. ROT & FLAME PROTECTION**

**02. DIRT & WATER REPELLENT**

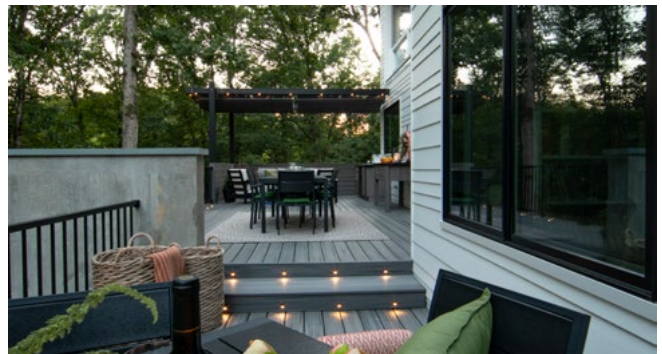
**03. ORGANIC CLEANER**



**01296 323770**

[www.organowood.co.uk](http://www.organowood.co.uk)

## TREX DECKING



Trex Company, the world's No 1 decking brand, offers a simple and easy way to build with green materials whilst not compromising on look and feel. With high-definition wood grain patterns and rich, saturated colours inspired by the outdoors, Trex composite decking looks natural and boasts a vibrancy that remains unchanged for years. Colour options range from deep earth tones to warm umbers, spicy reds and pristine greys.

Featuring a protective shell for superior defense against severe weather and heavy foot traffic, Trex deck boards will retain their good looks even after years of wet British winters and are guaranteed to look as good as new by the time summer comes around – year after year. Just an occasional sweep, and a clean with soap and water is all that is needed to ensure the beauty of a Trex deck for decades.

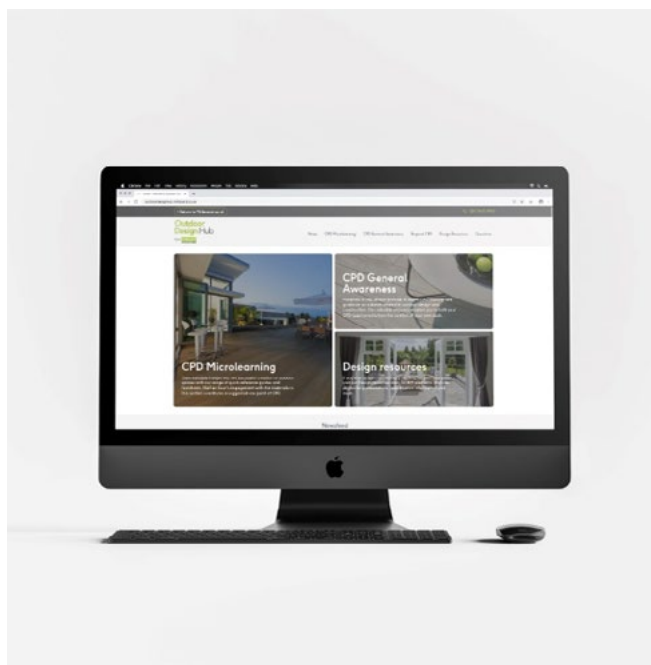
Trex decking is available locally through Arbordeck stores  
[www.arbordeck.co.uk/](http://www.arbordeck.co.uk/)

Visit [www.uk.trex.com](http://www.uk.trex.com) for more information on Trex products.



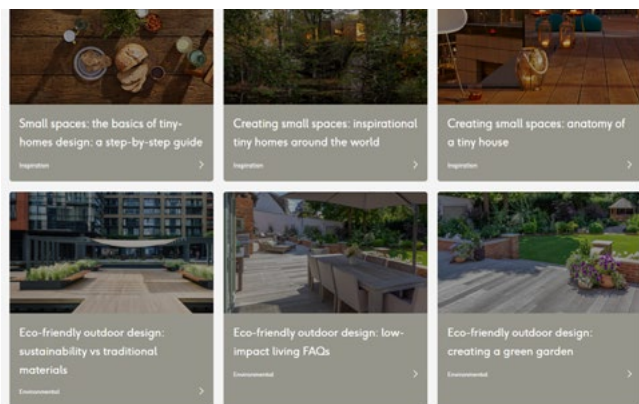
# A SINGLE SOURCE FOR DESKTOP LEARNING, FROM MILLBOARD

Millboard has recently launched a brand-new informative resource for professional landscapers, architects, interior designers and master builders. This Hub of educational materials is entirely free and provides a single source for desktop learning, covering a broad range of useful and up-to-date information related to the world of outdoor design.



The Millboard Outdoor Design Hub

Visitors can browse for inspiration, catch up on the latest regulatory news and even pick up CPD points from the comfort of their own desks! Millboard, manufacturers of design-led mineral board decking, states that after six months of intensive work, the Hub is now 'bursting with informative and engaging materials and news'. Marketing Manager Caroline Birdsall comments 'we're thrilled to have created such a valuable facility for the industry – we hope that it's of use to a wide range of people, whether they are looking for design-theme inspiration or wanting to learn about the most eco-friendly and innovative design materials available. It covers lots and we'll continue to add content to it on a regular basis.'



The Hub hosts bite-sized learning and news



Millboard are well known for their premium outdoor flooring collections.

The Hub currently contains over forty pieces of learning-focused content, including videos, PDFs, handy guides, mood-boards and FAQs, in addition to a news feed that curates the best of the latest from across the leading journals and magazines. The Hub is intended to support the design of outside spaces from a creative and technical perspective, and will be updated to keep abreast of design trends, legal framework updates and items of topical interest.



Millboard recently opened the Clerkenwell London Design Hub and offers CPD seminars.

Millboard already offers RIBA accredited CPD seminars and has recently opened the Millboard London Design Hub in Clerkenwell – a facility to host training sessions, architect-focused events and design presentations, as well as showcase their unique decking range.

[www.millboard.co.uk](http://www.millboard.co.uk)





# Learn something new, every day.

Inspirational spaces come from inspired minds. Which is why Millboard has launched the Outdoor Design Hub; an online resource for Professional Landscapers, Architects, Interior Designers and Master Builders. Providing up-to-date creative design inspiration, regulatory news and technical know-how, the Outdoor Design Hub has been developed with you in mind.

The Outdoor Design Hub. Your go-to space for knowledge and inspiration.

Learn more at [outdoordesignhub.millboard.co.uk](http://outdoordesignhub.millboard.co.uk)

## Outdoor Design Hub

from **millboard**  
Live Life Outside.





# 234 BATH ROAD OFFICE BUILDING

Architect: FLANAGAN LAWRENCE

234 Bath Road is a dynamic new gateway building at the entrance to SEGRO's Estate in Slough, the largest Trading Estate in Europe. It continues a great tradition of Office Buildings fronting the Great West Road which links London, Bath and Bristol in the west. The three-storey office building is located in the corner of the Bath and Leigh Roads and is the first building of a wider masterplan which draws office development into the site.



## SUSTAINABLE RE-USE OF EXISTING STRUCTURES

The Western portion of the building re-uses the existing basement and pre tensioned concrete structural frame of two buildings that have been on site since the 1970's and 1980's. The existing office floor plate has been extended out to the new façade line and extruded a further 40m towards the new Eastern entrance at the corner of the site. The 15.8m wide office floors are punctured with two full-height atria creating attractive, energy-efficient, day-lit office space.

## LIGHTWEIGHT STRUCTURAL EXTENSION AND ENVELOPE

The extended accommodation is wrapped in a new light-weight structure comprising of a series of elegant full-height structural frames defined by tapered fins, plinths and parapets. The columns have been positioned outside of the floor plates to create flexible column free space internally. The main entrance is housed within an impressive 15m-high entry colonnade with a glazed reception area, creating a strong visual link to the surrounding urban context and optimising the building's prominent corner location on the Bath Road. A café activates the ground level of the foyer space and provides a central social focal space for the group of office buildings along the Bath Road. Central to the design is a language of details and materials that, while maintaining robustness, civic scale and impact, delivers a building which is clean, crisp and light.

[www.flanaganlawrence.com](http://www.flanaganlawrence.com)



THE MAIN ENTRANCE IS HOUSED WITHIN AN IMPRESSIVE 15M-HIGH ENTRY COLONNADE WITH A GLAZED RECEPTION AREA, CREATING A STRONG VISUAL LINK TO THE SURROUNDING URBAN CONTEXT





# RINNAI CONTINUOUS FLOW HOT WATER SYSTEM SPECIFIED IN FOOD MANUFACTURE PLANT

A Rinnai continuous flow hot water solution has been installed at a large-scale seafood processing and manufacturing plant on the North East coast. The system was installed by H Pickup & Sons having used Rinnai products for several years on major projects.

H Pickup Mechanical & Electrical Services Limited were established over 100 years ago and are based in Scarborough, North Yorkshire. The company offer a comprehensive range of mechanical & electrical services direct to their clients: Electrical Building Services; Mechanical Building Services; Planned & Reactive Maintenance; Gas Servicing; Heating and Plumbing Services; Electrical & Mechanical Design & Installation Services and Contract Management.

"We employ our own staff engineers both on site and in contract management in order to enable us to deliver unprecedented service and ongoing support to our customers", says Mike Joy for Pickups.

The food manufacture site had an old stored hot water system which was no longer able to cope with the demand for the high

volume and high temperature hot water needed for cleaning down production areas as the site increased its production lines, as it expanded its market ordering and product range. The site was also looking to substantially increase energy, fuel cost efficiency and reliability by removing the stored hot water.

"There were long periods of time with no requirements for hot water, then sudden high demand as production areas need deep cleaning. Running out of hot water would result in substandard cleaning, especially the removal of grease, and industrial cleaning products used to clean many of the surfaces. Another deciding factor for the site - Rinnai's ability to resist Legionella breeding which is a risk with a "lukewarm" hot water system. With Rinnai continuous flow units water temperature for distribution is accurate to  $\pm 1^{\circ}\text{C}$ . The fact that there is no stratification as there is no storage, ensures a continuous, permanent even temperature. There is no requirement to heat a volume of water just to ensure the elimination of Legionella bacteria as the minimum temperature that a continuous flow unit achieves is in excess of advisory levels.

The modular nature of the Rinnai Systems also removes a single point of failure from the hot water system, ensuring hot water will always be available and not run out. The site used 3 x HDC1200i Natural Gas Water Heaters and also featured the Rinnai Limescale Protection Package.

The Rinnai HDC 1200i continuous flow hot water unit has the capacity to easily deliver in excess of 1560 litres of hot water in excess of 50 degrees C temperature per hour, with an overall gross efficiency of more than 95%. These levels of performance, with unbeatable efficiency levels, mean the Rinnai 1200i is more than capable of meeting and exceeding the hot water demands of all applications.

This precision engineered unit can also be combined as multiple units into one single, easy to handle module incorporating cascade frames and common flue. Both the HDC 1200 internal and external models turn in a market leading energy performance of 107% net efficiency and offer superlative ranges of modulation as the systems internal analytical system can modulate the burner modulation range from 54kw to 2.4kw. The Rinnai HDC 1200i is engineered for minimal energy wastage and maximum energy performance.

It is worth remembering that Part L of the Building Regulations 2013 has set minimum thermal efficiency levels of 90% for natural gas and 92% for LPG, consequently outlawing non-condensing gas fired water heaters for use in new build projects.

Rinnai is the only manufacturer that can supply a complete range of internal and external ultra-high efficiency condensing continuous flow water heaters, aligned not only to comply but surpass changes on the regulatory horizon.

Rinnai units and systems are now the number one choice for any size of site or large building or business with a heavy demand for constant hot water or where high peaks of demand occur at certain times. Any number of modules can be manifolded, so the water handling capacity is truly infinite and there is no risk of the 'cascade' of hot water ever running out.

The manifolded 1200i units can be delivered direct to site in one complete, easy to manage package and at a very competitive price. For the end user this guarantees considerable cost savings over other forms of hot water generation. The relatively compact footprint of all Rinnai units and systems means it can optimise plant room space and safeguard accessibility for maintenance and servicing.

There is huge potential for on-demand style water heaters such as the Rinnai HDC 1200i units to play their part in new build and in refurbishments projects alike, where in the latter there are still many old systems that need replacing. By replacing this older technology with new condensing appliances will help support the UK drive towards greener industry.

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

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

**For more details on RINNAI products visit [www.rinnaiuk.com](http://www.rinnaiuk.com)**



**WE EMPLOY OUR OWN STAFF ENGINEERS BOTH ON SITE AND IN CONTRACT MANAGEMENT IN ORDER TO ENABLE US TO DELIVER UNPRECEDENTED SERVICE AND ONGOING SUPPORT TO OUR CUSTOMERS.**



# A BUSY YEAR AHEAD AS GAIA CELEBRATES BEING IN BUSINESS 30 YEARS

Gaia Underfloor Heating recently celebrated 30 years in business at their annual conference. Continuing to deliver their vision to provide professionally designed underfloor heating systems, manufactured to the highest European standards giving both the customer and home owner peace of mind that they've chosen the best.



With their wealth of knowledge and experience in the Underfloor Heating market they know how important it is to deliver a reliable solution that's delivered on time and to budget. And why at Gaia they have a dedicated team of Account managers providing a professional service from initial project stage through to project completion. Ranging from new build residential, commercial construction, self builds, care facilities, education and residential renovations.

With an inhouse team of designers who can offer specialist solutions to meet the needs of any project. The team use the latest in design technology and heat loss calculation software, full project specific CAD drawing, system schematics and technical support.

**For further information on Gaia Underfloor Heating, please contact 01359 242 400, visit [www.gaia.co.uk](http://www.gaia.co.uk) or email [info@gaia.co.uk](mailto:info@gaia.co.uk)**




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@consortep.com](mailto:sales@consortep.com)
[www.consortep.com](http://www.consortep.com)



glamm<sup>®</sup>  
fire  
Tables

## Exclusive & Exquisite

Manufacturer Representative & Exclusive Distributor for the UK

SmartfireUK

1st Floor, 80 New Kings Road, London SW6 4LT

Phone: +44 (0)20 7384 1677

Email: [sales@smartfireuk.com](mailto:sales@smartfireuk.com)



#Glammfire

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](http://www.speedheat.co.uk)



**NEOMITIS**<sup>®</sup>

Creating innovative solutions for ambient comfort



Finally enjoy control without effort!



myneo  
*Fluid Curved*

myneo *Stat*

A concentration of technologies designed for your comfort and to decrease your energy consumption while making your life easier.

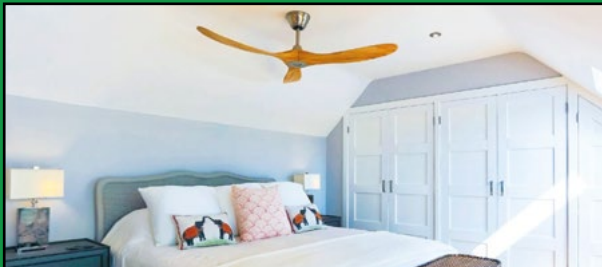


[www.neomitis.com](http://www.neomitis.com)



4th Floor, Lincoln House, 300 High Holborn, London WC1V 7JH, UNITED KINGDOM  
Tel: +44 (0) 2071 250 236 - Fax: +44 (0) 2071 250 267 - E-mail: contactuk@neomitis.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](http://www.henleyfan.com)

## WATERLOO BRINGS A BREATH OF FRESH AIR TO STUDLEY CASTLE

Waterloo Air Products Plc's grilles, air valves and diffusers have been used extensively throughout the magnificently renovated Studley Castle, successfully creating the perfect environment at Warner Leisure's new landmark hotel.



Set in 28 acres of Warwickshire countryside, this Grade II-listed, Gothic Revival style castle was originally designed by Samuel Beazley, the leading London theatre architect, as a family home. In its 180-year history, it has been used as an agricultural college for women, the training ground for the Women's Land Army during both world wars, and, most recently as a hotel.

Since being bought by Warner in 2016, Studley Castle has undergone a three-year, £50m restoration and development programme to restore it to its former splendour. The original building has been sensitively refurbished for modern use, and a spa created in the former Stables. The investment has also resulted in an entirely new hotel wing with 210 bedrooms, a cinema, two restaurants, bars, lounges and a cabaret venue. The hotel is air-conditioned throughout.

With comfort a top priority in this luxury hotel, ensuring optimum air quality was an essential requirement for Warner. But creating a unified hotel aesthetic was equally key.

[www.waterloo.co.uk](http://www.waterloo.co.uk)





# RINNAI INTRODUCE THE SENSEI N SERIES

Rinnai, the world's leading manufacturer of continuous flow hot water systems, is introducing the Sensei N Series to the UK marketplace, as the new generation of maximum quality and reliability in hot water heating delivery.

The new Rinnai Sensei N Series water heater range offers a new and more compact and enhanced combustion design that allows for easier installation and enhanced operational performance together with increased levels of serviceability.

All components in the range are designed and manufactured by Rinnai, and this ensures maximum quality and reliability from the industry leader in commercial continuous flow water heating products and systems.

The Rinnai Sensei N Series is the first ever continuous flow hot water heating unit manufactured with stainless steel heat exchangers to be available in the UK - this gives a greatly extended working life at optimum performance to each of the four models in the range. Added to this is the Sensei N Series market leading extended warranties.

The four models are: the N1600i giving 954 litres per hour; the N1600e (external) also giving 954 litres per hour (at 50 degrees); the N1300i giving 775 litres per hour and the N1300e also giving 775 litres per hour of temperature controlled at 50 degrees. The two 1600s have load profiles of XXL and are water efficiency class A rated, while the 1300s are load profile XL and are also water efficiency class A rated.

Other features include:

- flue up to 30+ metres for concentric
- Turbo Fan
- Built-in controller as standard on both internal and external models
- Cascade Cable assembly allows up to 24 water heaters to be connected and function as one total and complete system Any number of N-series Rinnai water heaters can be manifolded together enabling the largest capacities on the market.
- Built in flue damper
- Air inlet filter
- Frost Protection – minus 15°C on the internal versions and minus 20 °C on the external versions
- New PCB Design
- Controller as standard – Lockable, set up of appliance, Temperature set up to 75°C
- Maintenance Monitor for engineers

Rinnai manufactures over 2 million hot water heating units each year and so can offer advantageous cost savings for installers and end users. The N Series are probably the most competitively priced type of their kind currently available to the UK sector.

All the range are also low-NOx and the Sensei N Series utilises Rinnai's patented advanced burner technology with a 13-1



turn down ratio – the largest on the market – with extremely quiet operation. Integral controls on the units enable the water heater to achieve high efficiencies because of advanced burner control and high modulation ranges.

In reducing Legionella proliferation, Rinnai has developed additional 'SMART' controls for secondary return DHW systems in the form of an advanced temperature control system which allows for safe running of water at 42°C core temperature during the day and 60°C overnight.

The advanced burner controls with the Sensei N Series models ensure that all the appliances are well ahead of the NOx requirements set within ErP. The current level of permissible NOx set by ErP is 56 mg/Kwh. The Sensei N Series range have been third-party tested at 28 mg/Kwh making them one of the greenest water heating appliances available.

As the units do not incorporate storage their 'green credentials' are further recognised by BREEAM and score additional credits under the building regulations.

The industry uptake of Rinnai's continuous flow heater systems are proven to be more energy efficient than conventional storage systems and are increasingly the experts' preferred method of hot water provision. Rinnai units easily cater for any size projects that need high volumes of water at intermittent times of day.

**For more information visit [www.rinnaiuk.com](http://www.rinnaiuk.com)**



J & P BALCON®

# INSULATED STEEL BALCONY CONNECTION SYSTEM

Easy Balcony Positioning Tolerance.

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
- An approved LABC Registered Detail
- Quality management to BS EN 1090-1 and ISO 9001:215



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](http://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](http://www.jp-uk.com)  
[enquiries@jp-uk.com](mailto:enquiries@jp-uk.com)

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

- H-BAU Technik GmbH
- JORDAHL GmbH





# FREE HOT WATER ENERGY AUDIT FOR ALL HOSPITALS & MEDICAL CENTRES - COURTESY OF RINNAI

Rinnai is offering FREE audits for all hospitals and medical centres in order to maximise energy and financial efficiency in the delivery of hot water at the point of use. Maximising efficiencies can lead to fuel savings, alone, of up to 30% on current energy prices as the hot water is heated only when it is used - turn the tap off and the energy costs can stop immediately.

The audit, in close co-operation with the site, measures all data concerning use and presents a full and detailed report prepared by CIBSE recognised engineers. This is all free of any charge.

Rinnai is the world's leading manufacturer of continuous flow hot water systems a range of units that can be manifolded to supply, virtually, limitless temperature accurate water to a site of any size. It also means less space spent on plant rooms and no or little maintenance as all units are proven to be robust with extended working life and warranties to support this.

Rinnai's Sensei N Series water heating range offers a new and compact design with enhanced combustion that allows for easier and quicker installation - and gives high levels of operational performance.

All components in the range are designed and manufactured by Rinnai, and this ensures maximum quality and reliability from the world leader in commercial continuous flow water heating products and systems.

The Rinnai Sensei N Series is also the first ever continuous flow hot water heating unit manufactured with stainless steel heat exchangers to be available in the UK - this gives a greatly extended working life. Added to this is the Sensei N Series market leading extended warranties.

The advanced burner controls with the Sensei N Series models ensure that all the appliances are well ahead of the NOx requirements set within ErP. The current level of permissible NOx set by ErP is 56 mg/Kwh.

The Sensei N Series range have been third-party tested at 28 mg/Kwh making them one of the greenest water heating appliances available.

As the units do not incorporate storage their 'green credentials' are further recognised by BREEAM and score additional credits under the building regulations.



In answering the threat of Legionella proliferation – continuous flow technology is recognised as heavily reducing the risk of Legionella proliferation when compared to other types of hot water delivery. The main reasons for this are that there is no storage, system turn over is regular and the area for debris is much lower than storage type systems.

The industry uptake of Rinnai's continuous flow heater systems is proven to be more energy efficient than conventional storage systems and are increasingly the experts' preferred method of hot water provision. Rinnai units easily cater for any size projects that need high volumes of water at intermittent or any times of day.

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.

Contact the company direct by telephone or email [info@rinnaiuk.com](mailto:info@rinnaiuk.com) for your FREE audit on hot water usage on your site.

**For more information on the RINNAI product range visit [www.rinnaiuk.com](http://www.rinnaiuk.com)**



# IMPROVEMENTS IN SAP\* FROM USING THE HYBRID SYSTEM RESULTED IN LOWER PROJECT COSTS

Peter Dawson, Housebuilder



## HYBRID INSULATION - TOGETHER FOR THE FUTURE



HCONTROL HYBRID



HYBRIS



BOOST<sup>TR</sup> HYBRID

We know that making SAP improvements is high on your agenda. We also understand that minimal insulation thickness can help you to reduce overall project costs. So we have good news. The reduction in thermal bridging achieved by our Hybrid range is producing up to 15% SAP improvement\*, proving that savings can be made on the DER vs TER without compromising on space.

All Hybrid products can be used in walls and roofs, separately or together, to provide a high performance, total insulation system. They are certified to harmonised standards by accredited bodies, are CE marked and have LABC and NHBC acceptance acceptance when used in accordance with the certification.

Each Hybrid product combines both insulation and airtightness properties:

- **HControl Hybrid**, a thin multifoil insulation product with a built-in vapour control function and an unrivalled thermal performance.
- **Hybris**, an innovative reflective insulation product providing an excellent thermal performance.
- **Boost<sup>TR</sup> Hybrid**, a thin multifoil insulation product with a built-in breather membrane function and an exceptional thermal performance.

\*as calculated over a standard house using Hybrid model junctions compared with default junction heat losses

To find out more visit [www.insulation-actis.com](http://www.insulation-actis.com) or call 01249 462888



**ACTIS**  
TOMORROW'S INSULATION TODAY



# The Woodford Collection

Woodford and Lowry wood burning stoves are 2022 Ecodesign Ready

Remote control, log effect gas stoves

Beautiful fireplaces available in packages or individually



All in one place at [www.flue-ducting.co.uk](http://www.flue-ducting.co.uk)  
Call us today and open a trade account for your next project

T: 0161 480 2994 or E: [sales@flue-ducting.co.uk](mailto:sales@flue-ducting.co.uk) to find out more. Flue & Ducting Ltd

# DTW

## Designed With The Installer In Mind

DURA TWIN WALL (DTW) has been designed by Flue & Ducting Ltd with the fitter in mind and is now available for same and next day delivery as standard UK wide. Available from stock at all times in 5", 6", 7" and 8" both silver and black.

DTW is suitable for use with Wood and Multifuel Appliances.

For full technical specification and full product range please visit [www.flue-ducting.co.uk](http://www.flue-ducting.co.uk)



COMPLETE RANGE



INSTALLER FRIENDLY



BESPOKE PARTS



TIME-SAVING ELEMENTS



NO RESTOCKING CHARGE



FUSION COMPATIBLE



NO QUIBBLE WARRANTY





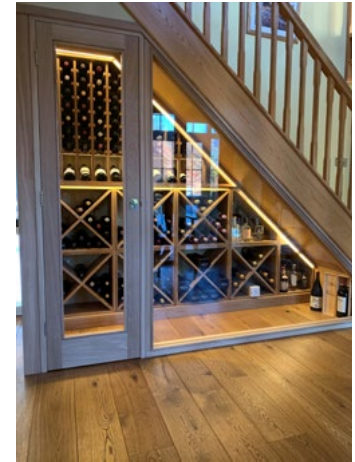
**WR WINE RACKS UK**  
EST. 1977  
Manufactured By A & W Moore

A & W MOORE Wine Racks manufacture the largest range of wine storage solutions in the UK. We produce tailor-made storage units for any space. Call Now for a Quote Tel: 01159441434 information@wineracks.co.uk or visit wineracks.co.uk

Wine Racks & Storage by Wineracks.co.uk

## 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 of solid 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](mailto:information@wineracks.co.uk), visit our website [www.wineracks.co.uk](http://www.wineracks.co.uk). Follow us at [www.instagram.com/awmwineracks](http://www.instagram.com/awmwineracks) and [www.pinterest.co.uk/AWMWineRacksUK/pins/](http://www.pinterest.co.uk/AWMWineRacksUK/pins/)

## THE QUIET FUN SOLUTION

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

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

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

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



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

**Samples, case studies and technical information are easily sourced from tel 01978 664255 or visit [www.troldekt.co.uk](http://www.troldekt.co.uk).**





the  
decorative  
panels  
group

YOUR PERFECT PARTNER



when only  
real stone  
will do

**bonded to the  
substrate of choice**

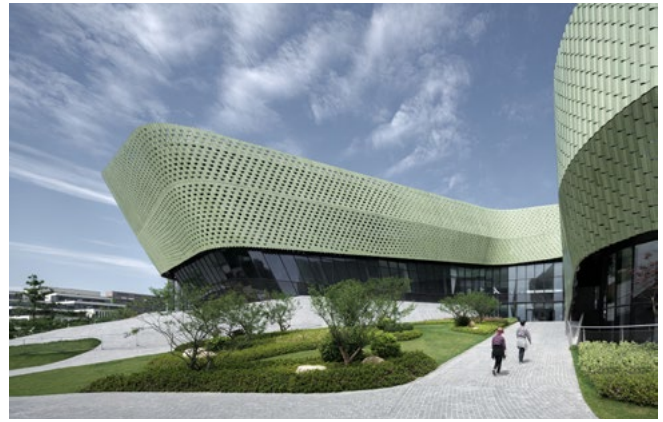
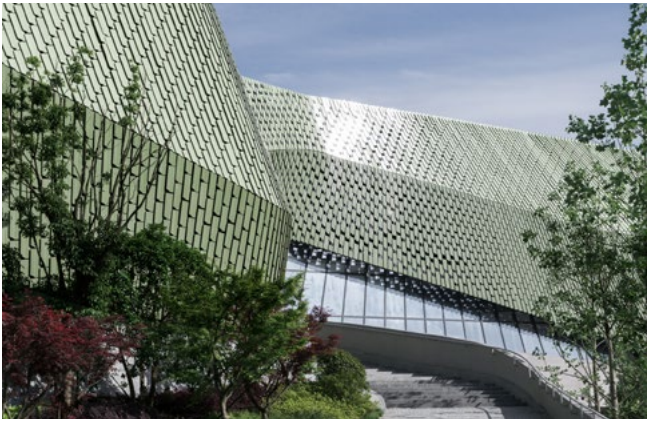
A range of **Real Stone Veneers** available laminated in a variety of thicknesses on MDF and dp-lite Hollowcore, in a sheet size up to 2440 x 1220mm. This innovative product is made from a thin layer of stone, either quartzite or slate, with a resin reverse that is bonded with a high performance PUR adhesive to the substrate. **Available in quantities as little as just one board.**

**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](mailto:info@decorativepanels.co.uk)  
[www.decorativepanels.co.uk](http://www.decorativepanels.co.uk)





# URBAN PLANNING EXHIBITION CENTER

: PLAYZE

It is located at the heart of the newly built "Ningbo Eastern New Town" adjacent to the city hall and the civic square. The Ningbo Urban Planning Exhibition Center is supposed to be more than just a simple presentation space. The goal was to create an engaging, accessible public space in the new district, and thereby foster the dialogue between citizens and decision-makers.

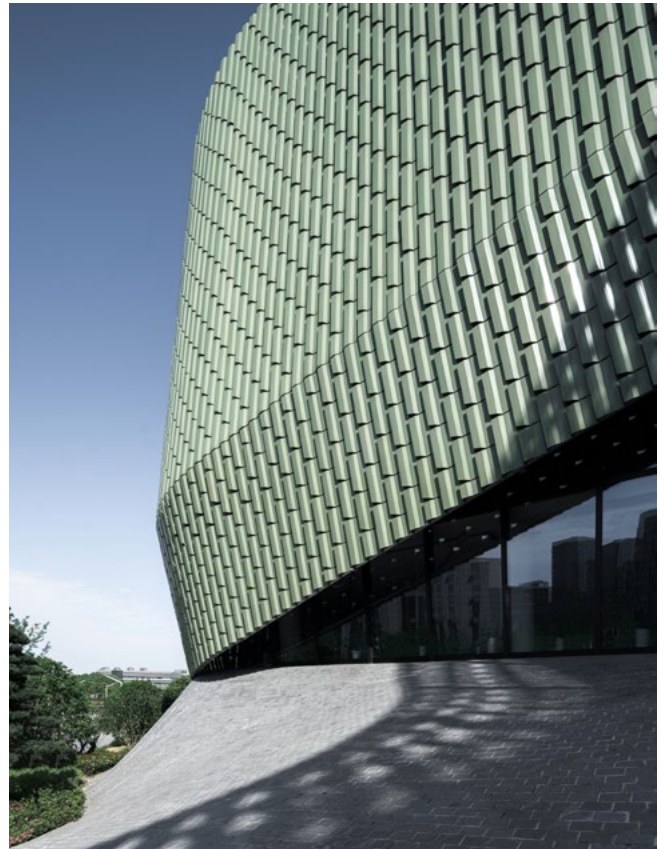
To emphasize the role of the center as a public venue, it has been developed as a continuation of the surrounding waterfront landscape and is, therefore, an integral part of the public park. Connecting pathways, bridges and streets have been woven into a topography leading to the many entrances of the building. The boundary between the park and the building has been blurred.

The City of Ningbo has a rich history of ceramic production. It was here that the so-called Ceramic Road began. The city played an important role in the national and international trade of ceramics throughout the civilization's history. That said, the use of glazed ceramics is not simply an homage to the local traditions of Ningbo; the building's textured glazed ceramics also create ephemeral reflections of the surrounding landscape. These reflections animate the facade with varying intensity depending on the time of day, season, and weather.

The exhibition halls are mainly allocated on the third and fourth floors of the building. The first and second floors offer a large variety of public spaces, including a restaurant, library and reading space, meeting areas, a children's education and playground, classrooms, as well as a large multi-purpose event hall. On the roof, which is also directly accessible from the landscape, a café invites visitors to relax and enjoy the views of the surrounding city.

It was never the intention to demonstrate the capabilities of digital tools by means of this project. Nevertheless, this building couldn't have been designed, developed, produced and built without the help of cutting-edge digital technology. In order to cope with the complexity of the spatial allocation and coordination of the structure, curtainwall, secondary structure, and ceramic skin a tailor-made computer script had to be coded. The script automatically generated a 3D model of the structure and façade, as well as production drawings for the respective contractors.

[www.playze.com](http://www.playze.com)



CONNECTING PATHWAYS, BRIDGES AND STREETS HAVE BEEN WOVEN INTO A TOPOGRAPHY LEADING TO THE MANY ENTRANCES OF THE BUILDING.



## DANDELION STONE TROUGHS



Herewith a picture of a very unique Dragon Stone Arch which would make either a truly stunning fireplace, garden water feature or could be incorporated within a 'Grand Design', such as a 'Folly'.

DANDELION specialise in supplying Antique Architectural Stone Curiosities, such as : • Old York Stone Gargoyles  
• Old Standing Stones • Old York Millstones

Cowling in Craven, North Yorkshire BD22 0NW.  
01535 637153 - 07971 906105  
[www.dandelionstonetroughs.co.uk](http://www.dandelionstonetroughs.co.uk)

## ECODEK UNVEILS NEW NON-COMBUSTIBLE DECKING - ADEK - AT FUTUREBUILD 2020



Ecodek has unveiled its new non-combustible aluminium decking system, Adek, at this year's Futurebuild.

This engineered lightweight decking has been specifically designed in response to changing building standards to be Class A2-s1, d0 fire rated, which is now a legal requirement for any material used in the construction or refurbishment of high-rise buildings of 18m or above. This A2 certification means Adek lends itself to several applications, from balconies and terraces to walkways, in both commercial and domestic developments. Made from 100 percent recycled aluminium, Adek is available in two profiles, 20mm and 30mm - which can span 600mm and 1.2m respectively - and with a point load of 4kN, both options are strong, durable and long lasting. The system is also extremely easy to install, with concealed face fixings and no need for clips, making it an ideal solution for both refurbishment projects with specific completion dates, and new builds.

**Further information about Adek can be found at [www.ecodek.co.uk](http://www.ecodek.co.uk).  
Tel: 01978 667 840 | Email: [enquiries@ecodek.co.uk](mailto:enquiries@ecodek.co.uk)**



The Smartscape team installs innovative greening solutions for the creation of new urban green infrastructure throughout our towns and cities. Environmental sustainability is at the forefront of what we do to enrich local biodiversity and improve air quality. With exceptional greening solutions we enable our clients to be more competitive, improve local wellbeing and maintain their reputations as prime locations to live and work.

From living walls, living pillars and green streets our product range and horticultural knowledge can support architects and designers to meet the demand for increased green infrastructure and sustainable healthy cities. The Smartscape Living Wall system is rated Class 0 for fire retardancy, qualifying this as an excellent vertical greening choice for robust safety.

Contact us today to book CPD on [cpd.training@scotscape.co.uk](mailto:cpd.training@scotscape.co.uk) or call 0208 254 5000 to discuss your project with our team.

[scotscape.co.uk](http://scotscape.co.uk)



Part of the Scotscape group





GL

# Graduate Landscapes

garden design, construction & maintenance



01 428 724 080

[info@graduatelandscapes.co.uk](mailto:info@graduatelandscapes.co.uk)

[www.graduatelandscapes.co.uk](http://www.graduatelandscapes.co.uk)



ISO  
9001:2015  
Certified



GOLD  
MEDAL



CHAS  
Accredited Contractor  
CHAS.CO.UK





# PROVEN LIFT SOLUTIONS FOR LISTED BUILDINGS

With England being home to 400,000 Listed Buildings and iKONIC having provided Passenger, Goods and Platform lift solutions for prestigious buildings ranging from Medieval Castles, Cathedrals and Palaces to multi million-pound Residential Dwellings, iKONIC have overcome many technical challenges as unique as the buildings themselves.



Having identified a demand for proven innovative on time complete lift solutions that simply work and ensure the correct fit, form and function is achieved first time. iKONIC have developed a service tailored to support Architects.

Unlike newbuilds where building regulations dictate type, shape, size and speed of a lift, Historic Buildings are more complex and are subject to derogation process and undergo design examinations as generally it is not possible to follow the general guidelines for new builds. Due to deviation from the norm, utilisation of additional equipment to provide the required level of safety and compliance to the lift regulations is increased.

iKONIC LIFTS are approved and have significant experience of undertaking this specialist process and are quickly becoming the go to company for leading industry experts, due to our unique complaint first time solutions.

iKONIC are not only specialists in the design and installation, with access to iKONICs extensive significant range of specialist artisan finishes influenced from the most prestigious designers and manufactures in the world, enables the new equipment to seamlessly merge into England's historic properties and aid preserve our world-famous heritage.

iKONICs consultative approach is designed for peace of mind and working with iKONIC allows for visions to become reality, safely, compliantly and on time!

For further information please contact iKONIC LIFTS LTD on 0203 376 6440 or email [info@ikonicliffts.co.uk](mailto:info@ikonicliffts.co.uk)

[www.ikonicliffts.co.uk](http://www.ikonicliffts.co.uk)



**Design & Buy Staircases Online**  
from only £159 + VAT






**iKONIC LIFTS**  
Sophisticated Lift Thinking

**ELEVATING EXPECTATION**

*Specialists in*  
**Grade Listed**  
**Building Solutions**



**Bespoke Proven Lift Solutions First Time**  
Passenger, Goods and Platform Lifts

- ✦ Finest Components
- ✦ Efficient & Reliable Solutions
- ✦ Minimal Maintenance & Open Protocol
- ✦ Proven Bespoke Fit Form Function Solutions
- ✦ Endless Bespoke Cosmetic Options
- ✦ Fully Compliant To Latest Industry Standards

email: [info@ikoniclifts.co.uk](mailto:info@ikoniclifts.co.uk) call: **0203 376 6440** web: [www.ikoniclifts.co.uk](http://www.ikoniclifts.co.uk)



## 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  
Steeple Bumpstead, CB9 7BN  
01440 731111 [www.lyfthaus.com](http://www.lyfthaus.com)





# INNOVATION HUNAN CONFERENCE CENTER

: DHX STUDIO

The innovation Hunan conference center project is located in Hunan university student science and technology industrial park, high-tech zone of Ningxiang city, Hunan province. The east side of the base is the park square, the northeast side is the comprehensive building, the south side is the entrepreneurship plant, the west side is the incubator building, and the northeast side is the mountain park. Construction land is extremely tight. The length of the site is about 72 meters in the north-south direction and 31 meters in the east-west direction.



This project is positioned at the conference center of the park, serving the supporting public service platform of multi-functional functions such as medium and large conferences, academic exchanges, art shows, roadshows, innovative achievements display and talent recruitment in the high-tech zone. Externally, it becomes a "visual window" to enhance the image of the park, internally, it becomes a "Shared living room" of the park.

In the design, the fuzzy normal sense the boundaries of indoor and outdoor, building and landscape, in the conference center for the visual center, square, and other supporting functions building envelopes and open for jinzhou north road, with mountain park landscape, mutual penetration, forming a "mountain park - conference center - the park plaza" all organic fusion independent park space again.

The total area of the project is only 1700 square meters, with a total of three floors, from the park square in the foreground, through the mirrored pool, into the building's entrance square, the foyer and multifunctional conference hall on the first floor, and the exhibition hall on the second floor. From the two wings of the building, ascending the stairs, the outdoor space on the third floor also corresponds to a large platform, which is the cafe and the book bar. The outdoor terrace offers relaxation, views and tea, while echoing the mountain park in the northwest corner. Through the outdoor steps to the roof terrace, increase the interest of the terrace space, forming a mountain park landscape echo.

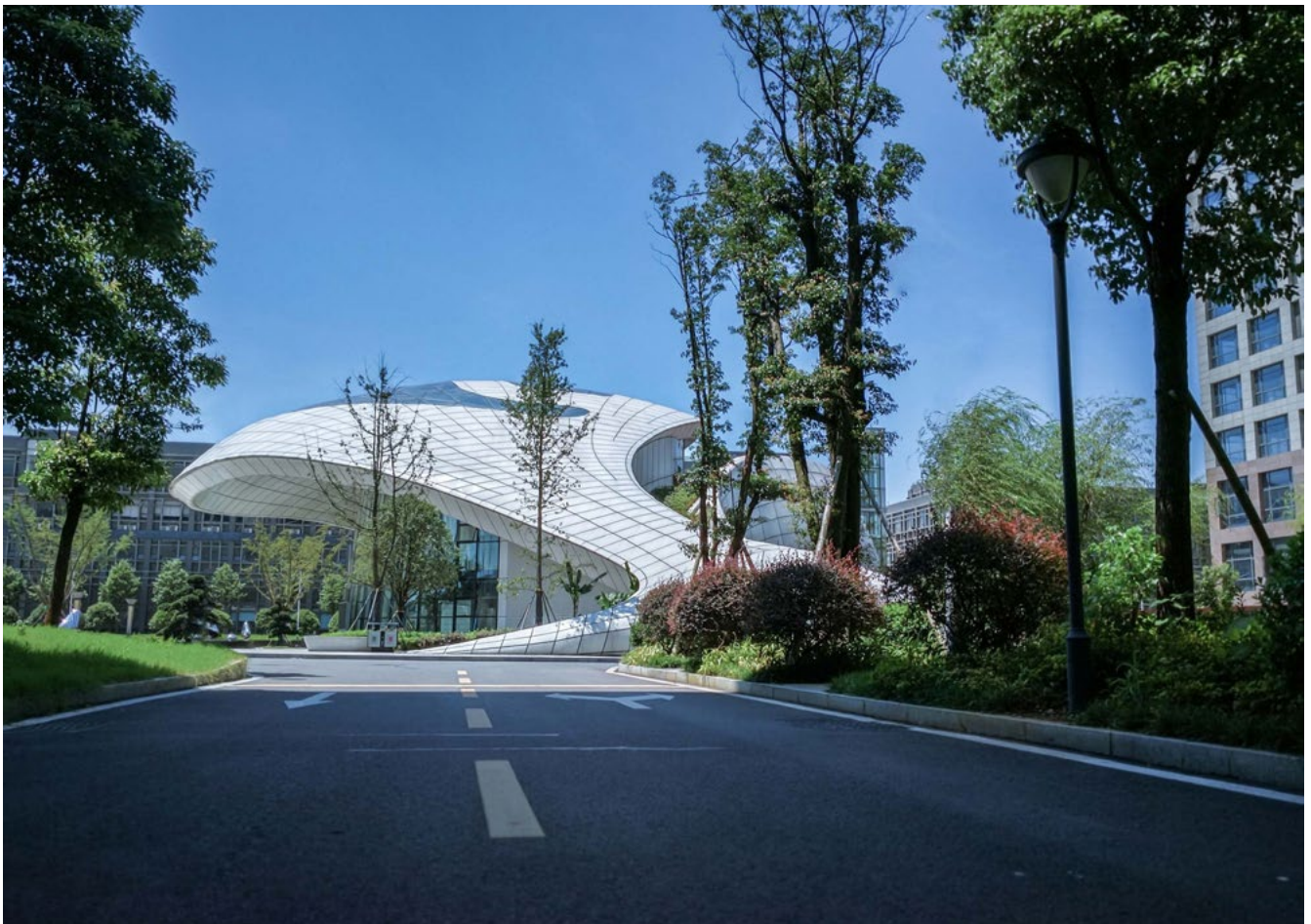
According to the functional needs of the conference center, the height of the center is raised, the surrounding height is lowered and rounded, so that the building volume not only meets the requirements of the height of the conference hall, but also reduces the size of the building,

thus reducing the occupation of the square area. Streamline treatment also reduces the building to people's line of sight blocking. At the same time, in order to meet the needs of smooth flow of people and traffic in the park, the construction volume was respectively handled by tunneling road paving and flying bridge, so as to speed up the evacuation of people and reduce the influence of the building on the square.

The shape and facade of the conference center are concise and convergent. The streamlined design of the facade makes the whole building lively, just like a foal eagle ready to spread its wings and fly. The open functional space with pleasant scale is covered by a complete top floor volume, creating a sharing space suitable for sitting and staying. The streamlined building skyline connects with the surrounding buildings naturally and integrates with the environment.

The facade materials are mainly metal aluminum plate, perforated metal plate and low-e glass. This kind of overall "without makeup" is introverted, and the selection of modern "trendy" building materials and the presentation of texture provide a more youthful and scientific sense of sharing space, and also well fit and express the content and atmosphere of "dake park".

Internal functions from the perspective of "dynamic" and "static", focusing on the big garden abundant activity form, meeting as the core, through academic communication, literature and art joint performance product roadshow, and other science and technology exhibition and share salon, in addition to meet the large family park in internal build big branch park "sharing" sitting room, foreign become "visual window" to promote the image of the park.



THE FACADE MATERIALS ARE MAINLY METAL ALUMINUM PLATE, PERFORATED METAL PLATE AND LOW-E GLASS.





Outlaws Restaurant, Capital Hotel, Knightsbridge

# EASING THE PAIN OF PLASTER IN FITTINGS

Levello explains how its modular fixing system makes plaster-in fittings easy and quick to install, as well as, effortlessly accommodating to all clients changing requirements.

Plaster-in fittings are becoming increasingly popular as more and more customers desire uncluttered ceilings and clean lines. Most plaster-in products are difficult and fiddly to install, also they are limited in their applications. With different sized "cut out's" for each different type of fitting, mistakes are easy to make and constantly changing the hole-saw can be time-consuming.

At the heart of what makes Levello different is its patented fixing system, a housing is fitted permanently into the ceiling and different styles of fittings or 'inserts' are placed into the housing and held in by magnets - a front plate completes the flat finish. Levello is versatile, allowing the user to change a downlight, to a pendant, to a spotlight or even blank-out the position completely, in seconds. Just decide if the product needs to be fire rated or not and the choice is endless.

## SIMPLE INSTALLATION

The "First Fix" housing is one size for all of Levello's products reducing errors and speeding up the cutting of the holes. Housing installation is simple, drill a 62mm hole, fit the supply cable to the levello connector, push the housing into the hole and pop in the decorator's card. And the ceiling is ready for plastering and painting.

The decorator's cards – apart from making the life of the plasterer and painter easier, serves another useful purpose which, is to stop the housing getting filled with plaster and paint. The Levello Painter and

Decorator's Cards have been specifically designed to grip the inside of the housing, ensuring that they do not fall out during decorating. Levello supplies a plastering and a painting Decorator's card with each housing and recommends that they are removed when the plaster is green, or the paint is not completely dry - to ensure the perfect finish.

The "Second fix" stage is even easier as all Levello products are supplied with connectors factory-fitted, so the second fix is literally "Plug and Play" and its magnetic fixing system means that the "Insert" is simply popped into the housing.

## STUNNING CEILINGS

One of Levello's aims is to make ceilings look beautiful. Modern living requires that many devices; from light fittings to presence detectors, smoke alarms and speakers are fitted into the ceiling. This clutters up the ceiling and makes it almost impossible to achieve the clean, flawless look that architects and designers, often, would like to achieve. Levello has designed all of its products to have as small a visual impact as possible, giving an almost zero sight line.

One of the problems with most ceiling fittings is that the metal or plastic of the fitting ages differently to the paint on the ceiling. After a couple of years, one ends up with a yellowing fitting on the ceiling, which gives an aged appearance to room - especially if it had been re-decorated. To ensure that the desired finish is achieved over the longer term, Levello offers paintable front plates with practically all of their products to ensure that the colour of the visible part of the fitting not only blends in with the ceiling but ages gracefully too.



Housing installed



Ready for plastering



Housing plastered



Ready for painting

### CLIENTS CHANGING THEIR MIND

The modular nature of Levello's products means changing client requirements are no longer a problem as the "Insert" can be swapped out in seconds for another type of fitting. For example, if the customer suddenly decides they wish to move the kitchen table to another part of the room; to have their statement pendant light fitting above the table, this can be easily and quickly accommodated and achieved, in less time than it would take to get a ladder.

The Flush range of downlights can cater for almost any installation; the LOW-PROFILE products have been designed for ceiling voids where there is minimal space; the DEEP range are stylish recessed fittings with many different baffle colours to choose from; the DIRECTIONAL products can tilt by 35° and rotate by 360° and are perfect for wall washes or feature lighting. All of the flush range can be IP 65 rated with a minimum of fuss and no visual difference to the other products. There is even the possibility to fit accessories such as honeycomb louvres or filters to reduce glare or create other lighting effects.

To cater for different budgets a wide variety of light sources are available as Levello has designed their products around the industry standard 50mm diameter (MR16 / GU10) lamp style. From a GU10 version where the contractor can select the GU10 of choice; to our range of high CRI light engines where the quality of light is important such as restaurants and high-end properties such as are the recently completed Michelin starred **Outlaws Restaurant** at the Capital Hotel in Knightsbridge.

Should the customer require other styles of lighting such as surface spotlight or pendants, these can be easily and quickly installed into the housing, the only limitation with pendants is that the fitting must not weigh more than 5Kg – similar to a ceiling rose.

There is an ever-expanding range of Alarms and Detectors covering many control systems. From stand-alone smoke and heat detectors to inter-linkable smoke and heat alarms the fire detection range is incredibly discrete with the largest alarm having a diameter less than 65mm. The presence detection range covers Lutron, Casambi, Dali and even 1-10v systems with the detector head being 10 - 20mm in diameter they are arguably the most discrete PIR's available today.

### SIMPLE TO MAINTAIN

Even with modern LED lamps, changing a lamp becomes inevitable, at best this often involves a face full of dust, at worst a damaged ceiling (not to mention broken fittings). Levello completely



eliminates all the inconvenience of changing a lamp whilst maintaining the integrity and finish of the ceiling.

Levello is manufactured in the UK and supplied complete with simple installation instructions printed on the lid. The factory assembled connectors ensure speedy installation and testing, enabling the user to swap their fitting with ease and ensures the safety of the installation. Products can be supplied as 'first fix' and 'second fix' kits reducing the risk of lost or damaged products on site, while allowing last minute changes to be accommodated with ease.

Levello's customers expect the best finish in all architectural needs. Levello is a luxury lighting system which provides so many unique possibilities to everyone's lighting schemes.

[www.levello.com](http://www.levello.com)

**PLASTER-IN FITTINGS ARE BECOMING INCREASINGLY POPULAR AS MORE AND MORE CUSTOMERS DESIRE UNCLUTTERED CEILINGS AND CLEAN LINES.**



# The difference is illuminating.



With Lumi-Plug



Lumi-Plug  
Downlight



Lumi-Plug  
+ Emergency light



Lumi-Plug  
+ Sprinkler



Lumi-Plug  
+ Smoke alarm



Lumi-Plug  
+ Heat alarm



Lumi-Plug  
+ CO alarm



Lumi-Plug  
+ PIR sensor



LUMI-PLUGIN



Without Lumi-Plugin

## Why clutter ceilings with conventional lighting, fire safety systems and energy-saving technology when Lumi-Plugin combines them all?

Introducing the next-generation Lumi-Plugin.

Smaller. Safer. Smarter. Our new downlights with innovative, interchangeable plugins are designed to help save people's lives, as well as space on the ceiling. Energy saving, easy to install, and compliant with the strictest fire regulations, Lumi-Plugin is the essential lighting system for smarter and safer properties.

Call us to book a demonstration on +44 (0) 330 380 1329

Discover more at [lumi-plugin.com](https://lumi-plugin.com)





# FUTURE DESIGNS COMPLETES LIGHTING FOR 22 BISHOPSGATE

## : FUTURE DESIGNS

FUTURE Designs, the international manufacturer of luminaires and bespoke lighting solutions, has completed the office lighting for 22 Bishopsgate, the tallest tower in the City of London, standing at 278 metres high. The project is developed and managed by AXA IM – Real Assets on behalf of an international consortium of investors, with Lipton Rogers Developments retained as developer.

FUTURE Designs has provided the 1.4 million sq ft (130,000 sqm) development, set to be Europe's first vertical village, with GLOS, a contemporary and minimalist luminaire that results in a perfectly illuminated environment. This linear recessed luminaire was developed in conjunction with HDR | Hurley Palmer Flatt and 22 Bishopsgate's architects PLP.

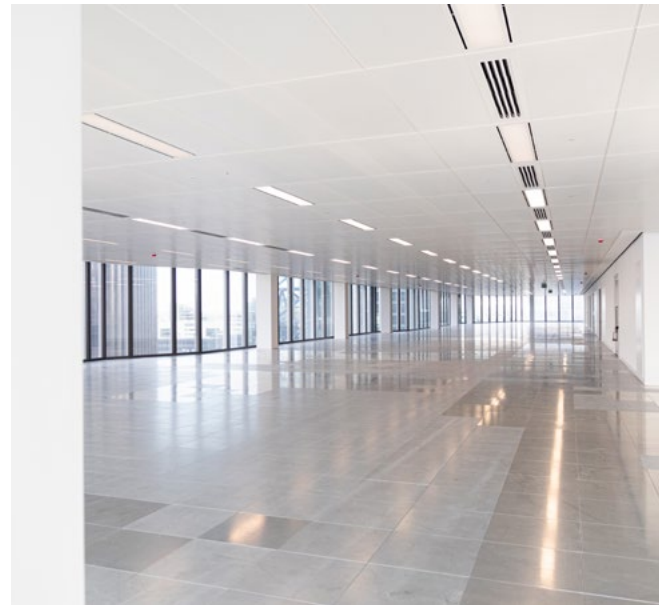
Wellness and its subsequent impact on productivity of workers is a high priority for the design of this office building, as exemplified by 22 Bishopsgate having London's largest cycle park and a state-of-the-art gym, complete with a climbing window, 125 metres above the ground on level 25, as well as a wellbeing retreat on level 41. It is also the first building in the UK to apply for the Delos WELL Building Standard.

GLOS is highly efficient with a lumen per watt value of 157, whilst the careful design ensures the fixtures could be installed in a simple manner reducing install time.

The air handling testing was carried out by BSRIA, an independent research consultancy that provides specialist services in construction and building services. The test confirmed an air handling requirement of 45 litres per second through air slot apertures designed for the maximum pressure drop of 5Pa.

This people-focused building is a complex, 22 sided, faceted glass structure. The design is built and managed to satisfy the changing nature of the City of London in terms of the type, size and priorities of companies based there, including demands for high standards of technology and sustainability. According to the statistics from the City of London Corporation

While just over a third of businesses were financial services, tech was the fastest growing major sector in the City with jobs growth of



16% , the quality of workspace needed to reflect that in order to attract a more diverse range of tenants.

Emphasis has been placed on constructing a building with flexible floorplates, high ceilings and exemplary lighting that compliments the natural light flow, which is enabled with three metres high, triple glazed windows.

The creation of approximately 100,000 sqft of social spaces and services throughout the floors was a key part of the design. There is a 22,000 sqft area of food and dining space on level 2, a members' club on level 57 and London's highest public viewing gallery on level 58.

Recognising the fact that 99% of City businesses are SMEs, there is an innovation hub for small businesses and start ups on level seven. Levels three and four, meanwhile, will house a new 51,000 sqft events and meeting venue available for use by the hour or day.

As well as providing a place for 12,000 people to work, creating a diverse business community, 22 Bishopsgate also provides a range of retail, bar and restaurant units.

[www.futuredesigns.co.uk](http://www.futuredesigns.co.uk)

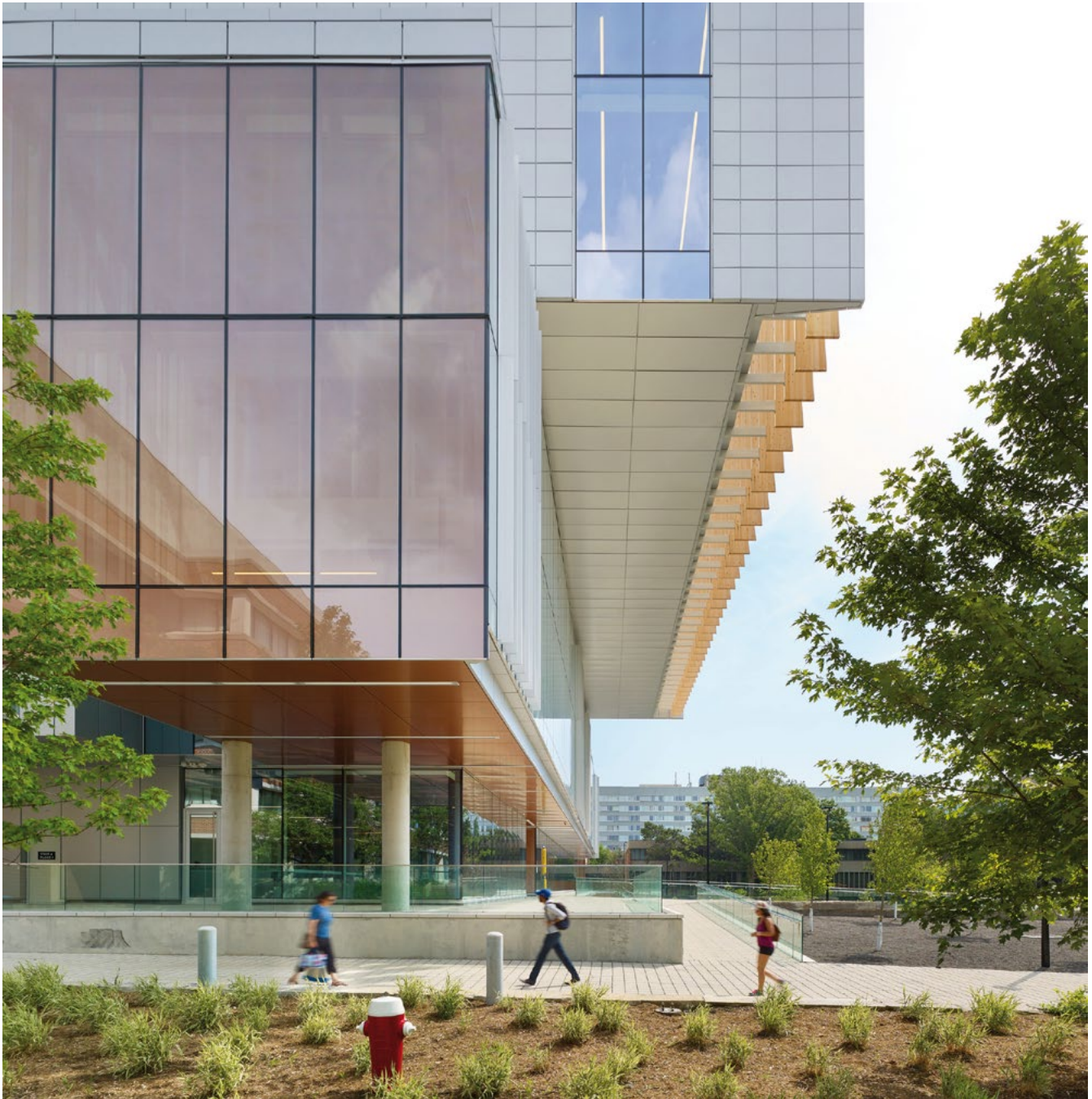
# DESIGN DETAILS MATTER

STRIKING FITTINGS AND STYLISH ACCENTS FOR YOUR HOME



[DOWSINGANDREYNOLDS.COM](http://DOWSINGANDREYNOLDS.COM)





# YORK UNIVERSITY STUDENT CENTRE PUTS **INCLUSIVITY AT THE FOREFRONT OF EDUCATION DESIGN**



: CANNON DESIGN

There is arguably no other campus building so uniquely organized to ensure student inclusion.

York University, Canada's third-largest university, opened a second student center on campus, designed to respond to the changing needs of York's large and diverse community. Knowing college students across North America face serious challenges related to loneliness, wellness, mental health, self-confidence and more - the building is designed to alleviate these challenges, openly attack stigma, and welcomes students of all faith, race and creed. There is arguably no other campus building so uniquely organized to ensure inclusion.





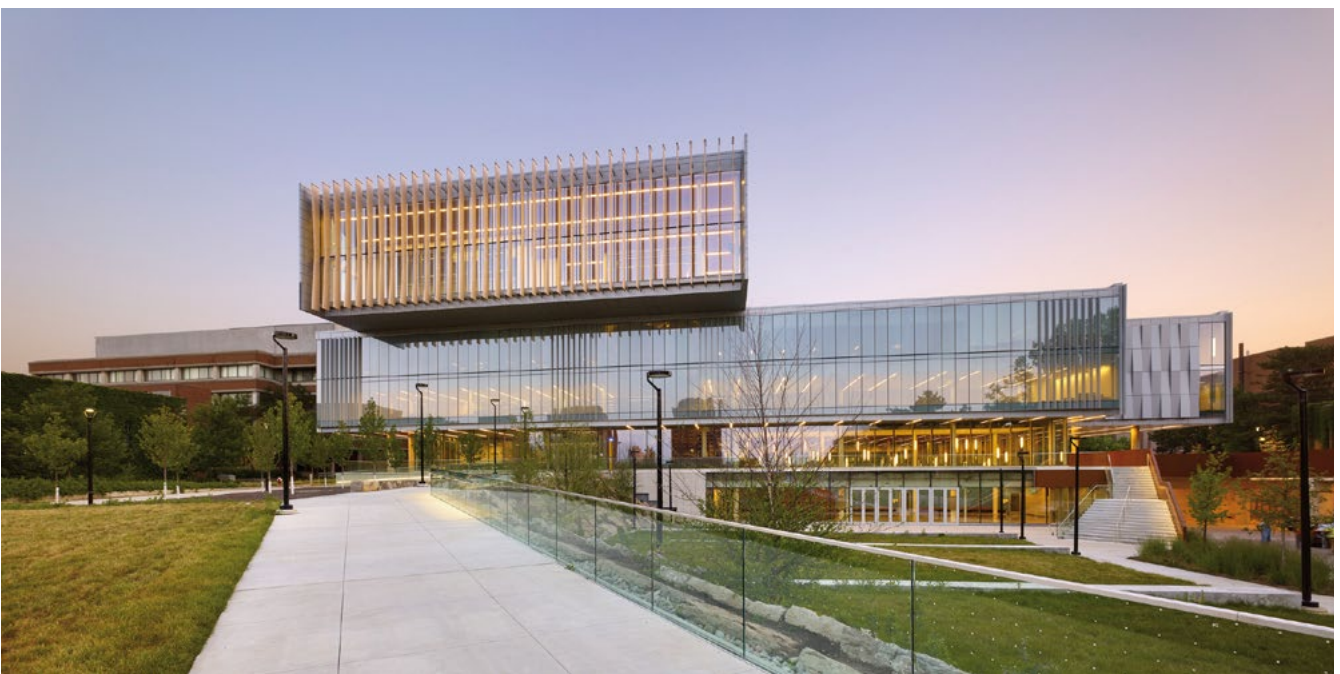
"We believe we've created a building where every student can feel welcome, safe, motivated and connected to their peers," explains Siva Vimalachandran, Executive Director of York University Student Center.

The building is conceived as a "living room" for student life that is broadly embraced by the campus community. Designed in complete collaboration with it houses numerous dynamic features to promote student success and inclusivity including:

- The top floor offers a large multi-faith prayer space where students of all religions are welcome to hold service and pray. The space is used regularly by all faiths without conflict and has even served as a recruitment tool for students of faith.
- A food pantry in the lower level of the building serves students facing food insecurity
- A wellness clinic in the building is open to all students who may need someone to talk to, self-harm reduction tools and training, quiet time, mental health counselling recommendations and more. Moreover, feminine hygiene products are available for free in all of the centre's bathrooms

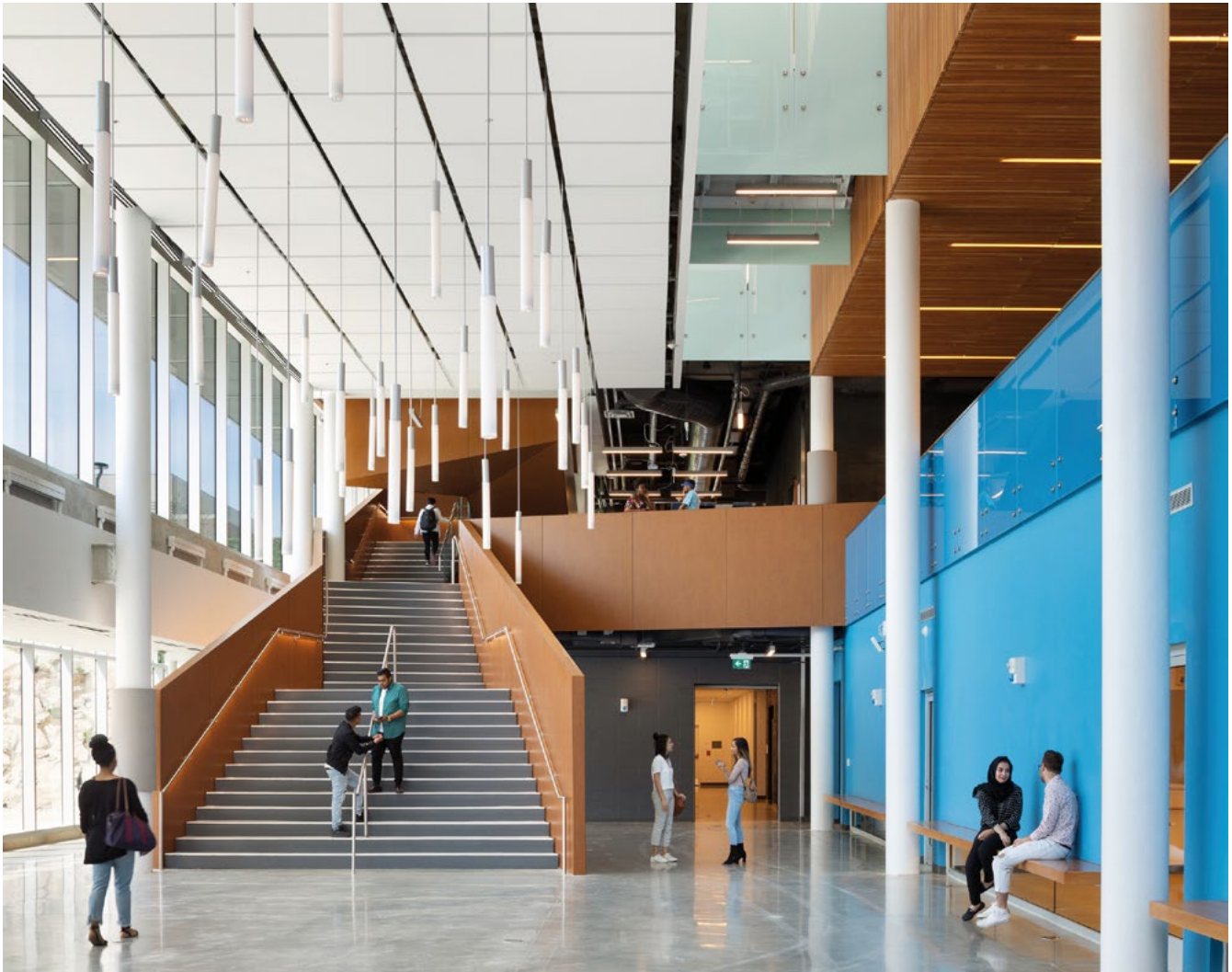
- A bustling club space connects students from all different student clubs. Just some of the clubs include Hallyu Dongari, the Middle Eastern Student Organization and the Latin American club.
- The building is a hub for student activity, hosting movie nights, socials and Multicultural Week which features international dance and food competitions annually.
- The building offers dedicated dance studios on the ground floor and open space throughout. It is not uncommon to see different international dances practiced steps from the multi-faith prayer space on any given day.
- Rooted in safety design principles that embrace natural light, maximized sightlines and more, the building is designed so nobody should feel unsafe anywhere in the building.

"This project excels at creating a campus destination where all students can feel welcome, safe, engaged and motivated to excel," said Brad Lukanic, CEO of CannonDesign and a member of the York U Student Centre project team. "York University made an inclusive design part of this project's mission from day one. The Second Student Centre stands as a paragon of how design can make measurable positive differences in both campus culture and students' lives."



THE BUILDING IS CONCEIVED AS A "LIVING ROOM" FOR STUDENT LIFE THAT IS BROADLY EMBRACED BY THE CAMPUS COMMUNITY.





The Student Centre is also deeply responsive to York student needs and feedback. The project is the result of a 2013 referendum in which 90% of students voted in favor of a second campus building devoted solely to student space. The referendum secured the highest voter turnout in the history of Canadian post-secondary institutions.

**A PRIMARILY TRANSPARENT BUILDING FAÇADE ACTS AS A DESIGN RESPONSE TO THE STUDENT BODY'S DESIRE TO BE OPEN AND WELCOMING TO ALL.**

"The Student Centre has always been dedicated to the diverse York University student body that uses it each day. I don't know of any other project that infused the breadth and depth of student engagement we undertook in the Centre's design process," added Vimalachandran. "We asked, we listened, and we understood our students in order to translate their hopes and needs into a building that can make valuable impacts on their experiences for generations."

Located at the north end of a significant campus green, the building's central location on York's campus makes it easily accessible to the 50,000 students. The design includes an array of sustainable and user-led initiatives including bicycle parking, showers, green roofs, high-performance glazing/curtain wall, gender-neutral washrooms, and extensive use of natural lighting. A primarily transparent building façade acts as a design response to the student body's desire to be open and welcoming to all.



**Datasheet**

Project Name: York University Student Centre  
 Location: Toronto, ON, Canada  
 Size: 126,000 SF  
 Architecture Firm: CannonDesign  
 Photographers: Tom Arban, Connie Tsang, Lisa Logan



# rci show

✓ ROOFING  
✓ CLADDING  
✓ INSULATION

25-26 MARCH 2020  
Ricoh Arena, Coventry

DON'T MISS OUT, REGISTER NOW



SCAN ME



- Industry leading speakers
- RIBA accredited CPD seminars
- Live product demos

www.rcishow.co.uk

GOLD SPONSORS:



SILVER SPONSOR:



MEDIA PARTNER:







# BUILDING BETTER WITH THE **ROOFING CLADDING & INSULATION SHOW**

## THE RCI SHOW

The RCI Show returns to the Ericsson Exhibition Hall, Ricoh Arena, Coventry on 25th – 26th March 2020

The RCI Show is the UK's largest free to attend event dedicated to the roofing, cladding and insulation supply chain. Take a day out of your routine and benefit from the opportunity to speak directly to the experts, try out their latest products and discover how you can transform your projects with new or innovative solutions.

The RCI Show consists of two core elements: an exhibition of leading suppliers and a comprehensive conference and workshop programme featuring content from industry experts and associations.

Why not start your day by joining Kiwa Building Products for a breakfast briefing? Breakfast rolls and hot refreshments will be on offer for all delegates as the Kiwa team talk you through the legal requirements for product and system manufacturers in the UK, along with additional market led requirements, and explore the best routes for manufacturers looking to maximise the confidence in their products and reach the biggest market.

Essential sessions for architects include sessions from Technical Consultant John Mercer and Dr Ronan Brunton, Technical Manager, Single Ply Roofing Association (SPRA). John Mercer will explain how you can design and construct pitched roofs to ensure they remain watertight and durable by using techniques and materials that add very little to the overall build cost of the roof. With safety factors being paramount in the design stage, Dr Ronan Brunton will detail SPRA's new wind load protocol and how to determine and apply the correct factor of safety during the calculation process.

Further highlights on day one include the Scaffolding Association providing a best practise guide to commissioning scaffolding, Janice Tyler of Briggs Amasco will demonstrate how the roofing industry can mitigate the effects it has on climate change and Vivalda Chairman, Peter Johnson will discuss managing through tough times – Austerity, Grenfell and Brexit.

If you are interested in discovering what the future of building and infrastructure design, manufacture, integration and connectivity within our built environment could entail, then be sure to join us for the opening keynote of day two. Trudi Sully from The Manufacturing Technology Centre and the Construction Innovation Hub will lead you through how it's work will benefit industry and how you can get involved. Following sessions include Bauder's Nigel Blacklock discussing fire in flat roofing, John Mercer will show delegates how to design and construct modern pitch roofs to be watertight &

durable and Marley will discuss Making the Grade - BS5534 graded roofing battens: Are you roofing to standard?

To promote professional development within the industry, practical seminar sessions are being delivered by Actis Insulation, Alchimica Building Chemicals, Fixfast, Quin Global, Xtratherm and Mates in Mind. The Actis Insulation session will demonstrate how Building Regulation compliance of construction systems can be obtained. The module shows a manufacturer's view on how compliance can be achieved by providing trusted products within building systems and robust laboratory and real-life testing of materials within construction systems. As a visitor to the show you can tailor your agenda to meet your unique learning requirements by pre-booking your preferred conference and seminar sessions during the booking process.

The exhibition of leading suppliers sees a wide variety of companies showcasing the latest construction products and services including, materials, safety equipment and tooling. Many exhibitors will feature live product and tool demonstrations on their stands as well as providing product application advice and offering unique show only promotions.

The RCI Show is delivered in association with RCI magazine, is supported by sponsors, Fixfast, Kiwa Building Products, Xtratherm and DT Technologies and key media partner, Fix Radio, who will be broadcasting live from the show floor.

To sign up for your free visitor badge and to see the full programme and exhibitor list visit [www.rcishow.co.uk](http://www.rcishow.co.uk)

25-26 March 2020

Ericsson Exhibition Hall, Ricoh Arena, Coventry

Free entry

[www.rcishow.co.uk](http://www.rcishow.co.uk)



THE RCI SHOW IS THE UK'S LARGEST FREE TO ATTEND EVENT DEDICATED TO THE ROOFING, CLADDING AND INSULATION SUPPLY CHAIN.





# KEMPER SYSTEM'S LIQUID WATERPROOFING OFFERS LONDON LUXURY

The development of a new, multi-million-pound housing and leisure community required design, specification and application expertise. Victoria Ramwell from cold-applied liquid waterproofing specialist, Kemper System, explains the process.

Beaufort Park has been named as North West London's most established new destinations by St George, part of the Berkeley Group. The scheme includes hundreds of new homes, health and fitness facilities, eight acres of landscaped gardens as well as shops, bars and restaurants.

Boasting just a short journey from the vibrant heart of London city centre, Beaufort Park is a one-of-a-kind luxury living community, with architectural flare incorporated into the design.

## A SOUND SPECIFICATION

Kemper System's Kemperol V210M was specified for this new-build residential scheme by one of the city's leading developers. A trusted waterproofing solution was required for five, high

specification apartment blocks, comprising a total of 363 homes within the Park. The cold-applied liquid solution offers high-performance waterproofing for the roof areas of each building.

Because of the versatility of Kemperol V210M, meaning it can be applied not only to roofs, but balconies, terraces and walkways, it was then also specified for terrace areas and a second-floor podium, which will be used as a communal courtyard.

## QUALITY INSTALLATION

The liquid resin was applied onto the required areas using a roller, with a reinforcement fleece laid directly in to the wet resin, immediately followed by more resin on top to ensure complete saturation of the fleece. Once cured, the resin formed a seamless, elastomeric waterproof membrane that cannot delaminate, is UV stable and bonds directly to the substrate. Because the Kemperol V210M system is ideal for complex detailing, this also meant easy installation for operatives around details, such as ventilation units, pipe work and plant on the roof areas.





THE EASE AND SPEED OF APPLICATION ALSO ENABLES US TO CARRY OUT THE WATERPROOFING OF ANY FEATURES WITHOUT DELAYING THE SCHEDULE, INCLUDING MULTIPLE BALUSTRADE POSTS WHICH ARE BEING RETROFITTED.

The liquid waterproofing system was installed by roofing contractor Noble House Services. Kevin Palmer from Noble House, led the project. He said: "Health and safety was crucial on this scheme - so there was a demand for cold-applied liquid waterproofing rather than a hot melt or naked flame system."

Another benefit of the Kemperol V210M was its quick application and versatility. The fleece-reinforced, liquid waterproofing system enabled the contractors to adhere to the strict timescales and operational restrictions on-site.

Kevin continued: "We've worked with Kemper System for many years so knew that Kemperol V210M would provide the safest and most effective solution. One of the main benefits is that it can be applied very quickly and easily using a roller. This provides us with the time and flexibility to move around the site to complete other jobs as and when required ensuring we can keep to the tight construction programme.

"The ease and speed of application also enables us to carry out the waterproofing of any features without delaying the schedule, including multiple balustrade posts which are being retrofitted."

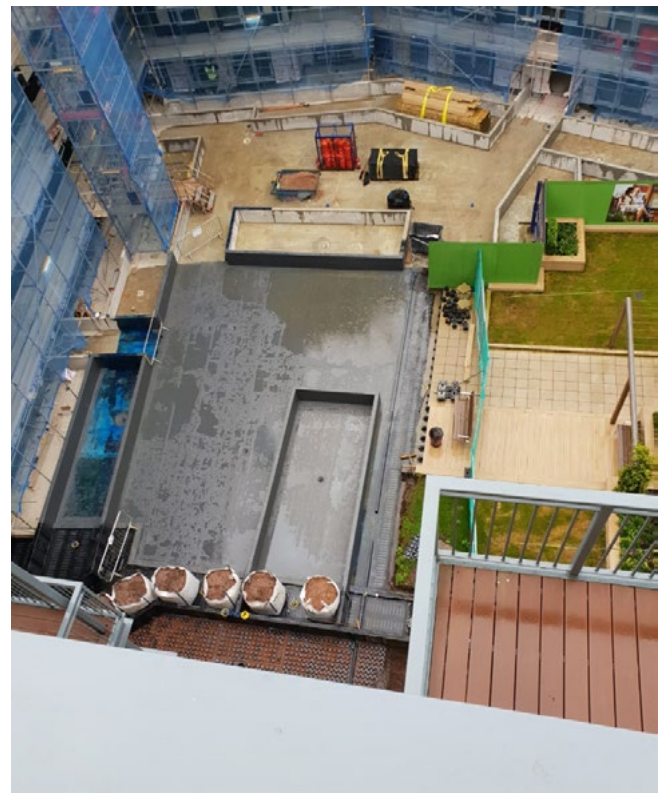
Unlike other cold applied liquid waterproofing systems, Kemperol V210M is applied 'wet on wet'. In practice, this means the system is laid in a single process by saturating the polyester reinforcing fleece with Kemperol resin which bonds the membrane to the substrate as it cures. This gives a single layer seamless membrane of uniform thickness that cannot delaminate.

Kemper System's new, perforated fleece was used by the contractors – designed to increase the speed of resin saturation and allow trapped air to escape quicker to save time on site and further improve the ease of application.

### SUSTAINABLE DEVELOPMENT

Hot works systems are commonly used on new build developments, yet Kemperol offers a number of advantages for developers. As it is cold applied, it is very safe as avoids the fire risk of hot works and the dangers associated with handling hot materials. It is also UV stable and more suitable for complex details and exposed areas, providing a completely seamless membrane encompassing the whole roof area.

Extremely durable and tear-resistant, Kemperol V210M also has excellent crack bridging capabilities and can accommodate structural details and penetrations without the need for additional mechanical fixings.



Thanks to the savvy specification of Kemper System, and the quality application by contractors, the Kemperol V210M waterproofing will provide a sound, sustainable solution for the client and end user alike, for many years to come.

[www.kempersystem.co.uk](http://www.kempersystem.co.uk)



# PERFORATED FACADE DECORATES INNOVATIVE SCHOOL BUILDING

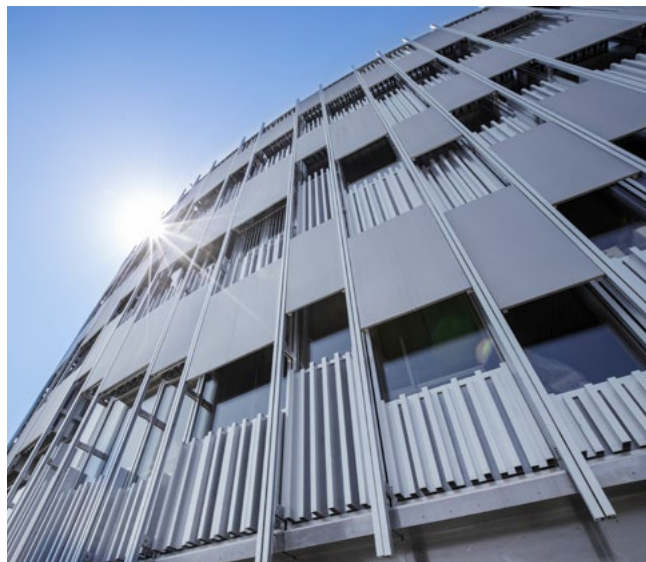
When constructing Kalvebod Fælled School, the objective was to create a balanced atmosphere of school and leisure time for both children and adults, with the focus on learning and activities. This ambition has been achieved by a stunning circular construction with a gymnasium at the heart of the building.

The glistening facade encapsulating the building is made from 1200 m<sup>2</sup> of perforated sheets from RMIG. The perforation gives a flow of light and shadow, providing protection from the sun, yet still ensuring a view of the beautiful surrounding areas.

## TECHNICAL CHARACTERISTICS

Kalvebod Fælled School  
State school, Copenhagen, Denmark  
Architects: Lundgaard & Traneberg Arkitekter A/S  
Raw material: Aluminium 5754  
Pattern: R1.5T3  
Thickness: 2.0 mm  
Finishing operations: Bending

RMIG's City Emotion philosophy exists to capture the passion for creative and exciting urban design by offering innovative technologies and materials. We can help realise the most ambitious architectural projects, the projects that will give the city innovative visual statement and emotional appeal. As the world's largest manufacturer and supplier of perforated metal with manufacturing units throughout Europe, we have over 100 years



of industry experience with a wealth of tooling and engineering expertise to help make your ideas come to life.

[www.city-emotion.com](http://www.city-emotion.com)

Tel: 01925 839610 email: [info.uk@rmig.com](mailto:info.uk@rmig.com)

If you are interested in booking a CPD presentation or require further information please contact [wgw@rmig.com](mailto:wgw@rmig.com)

## WHY USE FYTOTEXILE FOR LIVING WALL PROJECTS?

The Living Wall market is growing and which system to specify can be a minefield for architects and designers.

Smartscape's Living Wall Fytotextile® system is constructed of flexible multi-layer modules that are connected to a timber or metal framework fixed to a supporting wall or created as freestanding installations. The Fytotextile modules consist of a matrix of pockets for plants, where they are planted including their own growing medium, facilitating healthy plant growth and development.

### What are the benefits of the Fytotextile living wall system?

- Flexible - it can be applied to any surface, flat, curved or on an angle - interior or exterior, from walls to columns, no surface is a challenge.
- Lightweight - at 35kg per square meter fully planted and watered Fytotextile is the lightest living wall system in the UK.
- Fytotextile is STRONG it carries up to 530kg per square meter in stress tests.
- 10 Year Warranty when maintained by the Smartscape team.
- Aerated construction for the optimum plant health.
- Planted in situ, installation is quick, plants can be chosen to develop over time or LARGE for instant impact.
- Irrigated using Smart Green Technology with good accessibility for straightforward and time efficient maintenance.
- Economical.
- Both standard and bespoke panel sizes are available.
- Fytotextile carries the most robust and safe Fire retardancy credentials, rated Class 0 – Euroclass B-s2,d0.



Contact us for to book Living Wall CPD and learn more about the benefits of specifying Fytotextile for your projects – [enquiries@scotscape.co.uk](mailto:enquiries@scotscape.co.uk)

[www.scotscape.co.uk](http://www.scotscape.co.uk)



# 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.

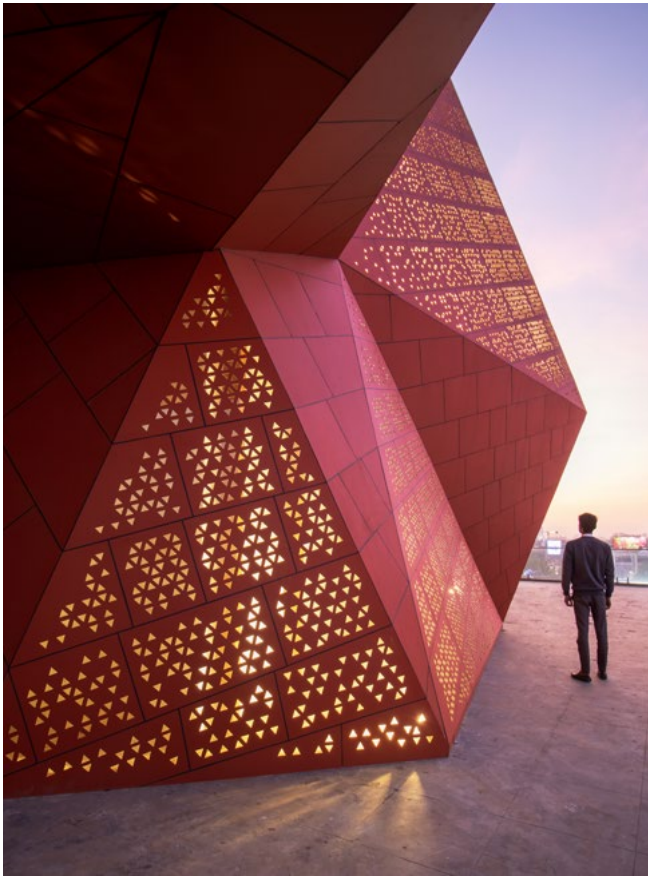
FREE  
Site Survey &  
Specification Service  
[enquiries@kempersystem.co.uk](mailto:enquiries@kempersystem.co.uk)



**KEMPER SYSTEM**  
Tel: 01925 445532  
[enquiries@kempersystem.co.uk](mailto:enquiries@kempersystem.co.uk)  
[www.kempersystem.co.uk](http://www.kempersystem.co.uk)







# STELLAR

## AHMEDABAD, INDIA

: SANJAY PURI ARCHITECTS

A rectilinear composition creating offices opening into landscaped terraces along an arterial city road, Stellar is a commercial building with retail spaces at the 3 lower levels and offices at the upper 4 levels. This 110-meter long building is fragmented at the upper floors with north-facing terraces and is punctuated by a large 2 level angular office space on the north-west corner.

Designed in conformation with a very specific brief, retail spaces occupy the lower levels along the extensive road frontage. Small offices constitute the upper levels with 30% of the offices opening into landscaped terraces.

The owner of the development wanted a clearly discernible office space of 500 sq meters. Angular folded planes create this office, set back from the road junction at the north-west corner, punctuating the rectilinear composition of the rest of the building. Created with rust-red colored solid aluminium sheets this angular office volume is nestled within an open north-oriented terrace. This office space is deliberately designed to contrast with the rest of the building creating an interesting juxtaposition of color, volume & geometry in addition to creating an individual identity based upon the brief. The simple rectilinear geometry with muted color tones & the complex angular geometry awash with color contrast to create a unique composition.

Large openings towards the northern side, smaller recessed windows on the southern side, reduce heat gain in response



to the high temperatures of the location in Ahmedabad city in India. Temperatures in this city are in excess of 35°C for 8 months annually. All the terraces are connected to a rainwater harvesting tank & all water is recycled and reused. Solar panels at the terrace harness the abundant solar energy available.

This office and retail space building is contextual to the site's location, climate & the client's brief, amalgamating them cohesively.

[www.sanjaypuriarchitects.com](http://www.sanjaypuriarchitects.com)

## ALUCOBOND® CHOSEN FOR ERIE BASIN DEVELOPMENT SALFORD QUAYS, MANCHESTER, UK

ALUCOBOND® A2 from 3A Composites GmbH, has been chosen to clad Erie Basin, a stunning new landmark residential development, for Peel Holdings / Millennium Estates, on the former Dock 9 site in Salford Quays.



Photography:  
© John Kees Photography

Sheppard Robson Architects chose ALUCOBOND® A2 aluminium rainscreen cladding panels, finished in different shades of the special colour Pigmento Red, in order to enhance the simplicity of each of the individual components. In addition, ALUCOBOND® A2, being a non-combustible aluminium composite panel with a mineral-filled core, it meets all the strict requirements of fire regulations, as well as being impact-resistant, break-proof and weatherproof.

ALUCOBOND® A2 was chosen for its sustainability credentials, having an environmental product declaration (EPD), according to international ISO standards, which provides and independently verified life cycle assessment (LCA) as well as BREEAM contribution.

Some 15,000 m2 of ALUCOBOND® A2 cladding was used on the project.

**For details about ALUCOBOND®, its surface colours and finishes, or information about the company's products and services, visit the company's website at [www.alucobond.com](http://www.alucobond.com) or call + 44 (0) 75 84 68 02 62.**

## New Series of Polycarbonate & Fibreglass Enclosures within the EnviroArmour® range

**AVAILABLE  
SOON**



**Help to guard important electronic equipment against vandalism, dirt, dust and grime with these IP rated enclosures**



**Safety Technology  
International**

[www.sti-emea.com](http://www.sti-emea.com)  
[info@sti-emea.com](mailto:info@sti-emea.com)

01527 520 999  
[Twitter](#) [YouTube](#) [LinkedIn](#) [Facebook](#)



**APPLICATIONS  
ENGINEERING LTD**

T: +44 (0)1825 764737  
F: +44 (0)1825 768330  
E: [info@appeng.co.uk](mailto:info@appeng.co.uk)  
[www.appeng.co.uk](http://www.appeng.co.uk)



**FIRE SPRINKLER VALVE SET  
1" to 2"**




## SPV COMPLETE CLADDING WORKS AT THE NEC

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



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

[www.spv-uk.co.uk/](http://www.spv-uk.co.uk/)





# 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.**

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](mailto:sales@sunraytimberdoordivision.co.uk)

[www.sunraytimberdoors.co.uk](http://www.sunraytimberdoors.co.uk)





## EVERYTHING FLOWS, FINELY TILED...

: AGROB BUCHTAL.

The unity of colour, form and functionality which can be experienced in this project of Behnisch Architekten (Stuttgart) is rare in architecture. Great gestures are just as important there as small details. The idea of flowing transitions in a two-storey bathing and sauna landscape was skilfully implemented not least with tiles from the brands Agrob Buchtal and Jasba.

After the relocation of the trade fair to the nearby airport, an attractive sports and leisure area was created on the old fair grounds at Riedlepark in addition to a shopping centre. Its diverse range of popular and competitive sports includes a dancing school, a karate school and a multifunctional hall.



The latter serves primarily as a venue for sporting events as well as for the home games of VfB Friedrichshafen in the 1st Volleyball Bundesliga and the Champions League. The sports pool, which was opened in June 2019 and sees itself as a family and wellness pool, but is also suitable for club and school sports, is located right between the shopping centre and the sports area. It presents itself as an inviting, elegant new building with filigree details, which appears as a self-confident centre in a heterogeneous environment.

### FLOWING (BATHING) LANDSCAPE

The surrounding glass facades make the Sportbad Friedrichshafen recognizable already from the outside as a bathing landscape which develops around a central inner courtyard. The division into a spacious bathing area with swimming pool and children's pool on the ground floor and an "intimate", well-structured upper floor with sauna, catering and staff rooms is also easy to read. The idea of the rooms fluently merging into one another on two floors is reflected in a quasi-moving architecture. The carefully composed ups and downs of the green roof areas with their projecting edges alone give an idea of how important a holistic building concept was to the architects.

### SPORTY FRESH BATHING WORLD

The appearance of the bathing world on the ground floor is characterized in particular by the high proportion of daylight, the spaciousness and the consistently sporty, fresh and yet unobtrusive colours. The bathers should be able to move freely between the open areas. The walls and ceilings appear in velvety fair-faced concrete or with warm wood cladding. All swimming pools and pool surrounds as well as the floors of all showers, changing rooms and access areas are provided with finely coordinated and precisely defined tile coverings of the brand Agrob Buchtal.



The essential link for the seamless transitions between the individual bathing areas are the porcelain stoneware floor tiles of the Trias series from Agrob Buchtal, which are uniformly finished in zinc grey. They were used in two formats: as a filigree 5 x 5 cm mosaic and as 30 x 60 cm tiles. This larger format was laid in free bond above all in the changing rooms as well as in the access and rest zones. The mosaic format also realized with ceramic tiles of the brand Agrob Buchtal can be found around the swimming pools and in the wet areas. On the one hand, because it reliably meets the requirements of slip resistance class R11/B and on the other hand, because connections to other components such as drains, columns, gutters etc. or drainage areas can be realized more easily and aesthetically with this small format.



THE WALLS AND CEILINGS APPEAR IN VELVETY FAIR-FACED CONCRETE OR WITH WARM WOOD CLADDING.





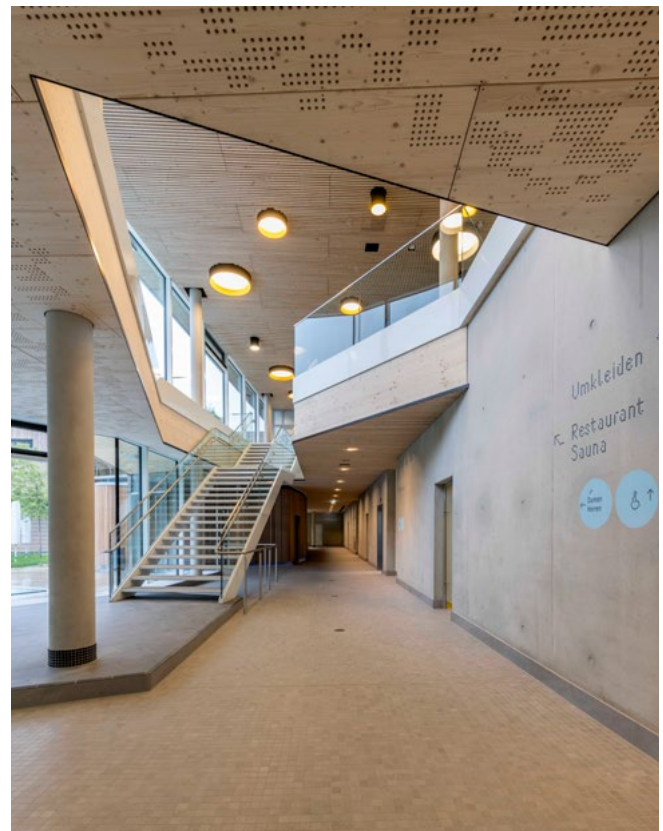
In addition, the square 5 x 5 cm mosaic opens up an interesting design dialogue with the round mosaic from Agrob Buchtal's Loop series, thus interpreting the well-known term "squaring the circle" in a quasi architectural way. All heated benches are covered with round mosaics not least because a specific advantage of this material is that it clings directionlessly and homogeneously to such curved structures like a tailor-made suit.

#### THE CIRCLE AS AN INTEGRATED DESIGN PRINCIPLE

The organically shaped heated benches in sea green offer seating and lounging places for relaxing. At the same time they set pleasant colour accents and also structure the bathing landscape. They have partial surfaces with round mosaics with a diameter of 1 cm, which then merge into round mosaics with a diameter of 2 cm via vertical surfaces. The horizontal surfaces of the heated benches were designed in the slip-resistant R11/B version because it cannot be ruled out that young bathers will walk on them. The round mosaic of the Loop series also decorates the walls and the floor of the children's pool. In order to intuitively convey to the little ones the increasing depth of water towards one side, the floor has an even colour gradient from light aqua blue to aqua blue over a length of 3 metres.

The architects decided in favour of round mosaics not only because this material is particularly suitable for cladding curved structures, as mentioned above, but also because circles play a key role in the building concept of smooth transitions. As a recurring design element, they have a significant influence on the general appearance of the sports pool: in addition to round columns, skylights and luminaires, there are also acoustic ceilings with round perforations. Even the wall inscriptions and the screen-printed window panes for privacy reasons consistently pick up the geometric form of the circle.

THE ORGANICALLY SHAPED HEATED BENCHES IN SEA GREEN OFFER SEATING AND LOUNGING PLACES FOR RELAXING.





## SECURITY AND INTIMACY IN THE SAUNA AREA

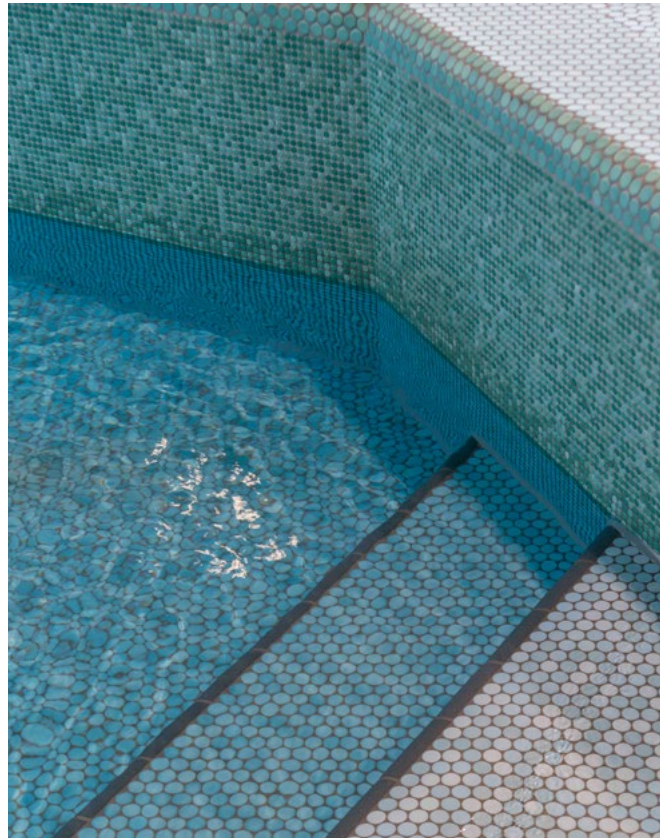
With regard to formats and locations, the floor tiles of the Trias series of Agrob Buchtal were used identically in the sauna area of the upper floor as in the bathing landscape on the ground floor. The only difference is the slightly darker colour iron ore, which, together with the generally warmer and earthier range of colours, creates a cosy room atmosphere. The architects composed the experience showers with great attention to details: they were also executed with round mosaics (2 cm diameter) from the Loop series in a specially designed colour gradient from coral-red to bronze-metallic to dark violet, produced by Agrob Buchtal especially for this project. This differentiated dramaturgy not only conveys the aesthetic enjoyment of a minimalist conceptual work of art, but also provides the subtle transition between hot saunas and refreshing showers, supported by the curved walls.

The sea steam bath offers another, likewise unmistakable colour world. Square 2 x 2 cm mosaics of the Amano series of the brand Jasba were used there. With the colours anthracite and pure blue as well as watercolour-like, glossy surfaces, this ceramic wall covering makes atmospheric reference to the underwater world of the nearby Lake Constance.

## COLOUR, FORM AND FUNCTION AS A UNIT

The Sportbad Friedrichshafen is a showcase example of how strong the emotional effect of ceramic wall and floor tiles can be. The great variety of colours, forms and formats in this project is never an end in itself, but always part of a sensuous holistic overall composition, which lives not least from details that are initially hardly noticeable, such as, for example, the letter plates made of floor tiles from the series Trias of Agrob Buchtal, which indicate the depth of the water at the pool edges. Instead of using standard off-the-shelf stainless steel panels, the architects wanted to use tiles of different colours to create a homogeneous appearance. After cutting out the numerals using water jet technology, the parts were reassembled, pointed and integrated as "ceramic inlays" with a casual naturalness - one of many proofs for the successful symbiosis of unobtrusive creativity and architectural stringency. The whole is more here than the sum of its parts and makes the Sportbad Friedrichshafen a model for unpretentious but at the same time memorable architecture.

[www.agrob-buchtal.de](http://www.agrob-buchtal.de) / [www.jasba.de](http://www.jasba.de)  
[www.behnisch.com](http://www.behnisch.com)





# CONSTRUCTION EXPO RETURNS TO SUSSEX

: SOUTH EAST CONSTRUCTION EXPO



The South East's leading construction industry exhibition, the innovative South East Construction Expo, will be returning to Sussex in April 2020.

The event, being held at the South of England Event Centre, Ardingly, on 28 April 2020, will welcome speakers from across the industry, including Malcolm Clarke, Managing Director at Baxall Construction; Cedric Laurier, Chief Technical Officer at Gatwick Airport; and Julia Gregory, Director of Projects at Ebbsfleet Development Corporation.

Free to attend, the events are dedicated to the construction section and brings together clients, contractors, developer, consultants and other related industries from across the UK. With live demos of products, industry speakers and over 150 exhibitions the event is a 'must-visit' for anyone in property, development or construction.

A networking breakfast opens the events, followed by practical workshops, speakers, exhibitions and the opportunity to sign-up to 'Meet the Buyer' one-to-one sessions.

Ana Christie, Chief Executive of Sussex Chamber of Commerce, said: "Despite the ongoing political and economic uncertainty this past year, according to the Builder's Conference, the performance of the UK construction sector shows no signs of slowing. In the first month of 2020, more than 400 companies won new contracts, so there is no better time to get along to events like this, make new contacts and win new business!"

An exciting programme of Speakers and Workshops are currently being put together and will be announced over the coming months. Advanced Panel Manufacturing will also be demonstrating their unique 'green' sustainable and eco-friendly, full format construction panels. These versatile, attractive and cost-effective, Fire Resistant A rated boards are easily assembled without the need for skilled labour.

Sussex Chamber of Commerce is supporting the event this year as well as the IoD. Big name businesses already involved include Balfour Beatty, Sunninghill, Glenigan, Builders Conference, Willmott Dixon, Galliford Try, Baxall, Logan Construction and Westridge Construction Ltd.

Over 2,500 delegates attended the Expo in September 2019, where 120 companies in the construction industry exhibited the latest technology, ideas and expertise and dozens of workshops and presentations were held on key topics for the industry.

This year will also see the event being held for the first time at Sandown Park Exhibition Centre, Esher on 23 September 2020.

## SOUTH EAST CONSTRUCTION AWARDS 2020

South East Construction Awards 2020 has once again been launched with six categories, covering the sector, to be celebrated at a second South East Construction Expo to be held on 23 September at Sandown Park Exhibition Centre in Esher, Surrey.

Carole Black from South East Construction Expo said, "These awards celebrate our heroes in this industry with an exciting panel of judges seeking entries for categories, ranging from best construction project to best architectural design, best contractor to best supplier. We are also looking to celebrate women in the industry and want to reward the best apprentice on a construction project in the South East."

South East Construction Expo 2020 will take place at South of England Event Centre, Ardingly, Haywards Heath, Tuesday 28 April 2020, 9 am – 4pm.

**Find out more and how to book a trade stand or register your free place to attend as a delegate at: [www.constructionexpouk.co.uk](http://www.constructionexpouk.co.uk)**





Pear Stairs measure, design, manufacture and deliver premium bespoke staircases to meet the individual needs of each client.

Numerous designs are available in a wide array of materials, all manufactured to the highest standards. Whether you be a homeowner or a property professional; Pear Stairs will meet your brief with precision and at a phenomenal price.

Receive a free and instantaneous quote through the online staircase design tool, Stair Creator, rendering your dream staircase in full 3D or for refurbishments visit the online store for a large range of quality stair parts.

To find the ideal design or parts for you, visit the Pear Stairs online store, or to discuss your precise staircase requirements, call their team of friendly designers. Pear Stairs can also be found on Facebook, Instagram, Twitter & Pinterest: @pearstairs

01938 553311

[www.pearstairs.co.uk](http://www.pearstairs.co.uk)



**TARGET TIMBER SYSTEMS**

Traditional Values using Modern Methods of Construction



If you are a Property Developer or Builder looking at Timber Frame structures for Houses and Apartments, or a Family looking for their dream Self-build Home Target Timber Systems are here to help.

We offer a professional service which includes fully certified design and engineering, supply and erect of factory insulated panels, engineered floor beams and floor deck, roof trusses and bracing along with full chain of custody certification."

For further information please contact Gary Gooch or Nick Whittle on **01403 782600** or email [info@targettimber.com](mailto:info@targettimber.com)

Target Timber Systems Ltd, 29 High Street, Billingshurst, West Sussex RH14 9PP

**SIMPSON**  
Strong-Tie

## INDUSTRY NEWS!

In accordance to NHBC & LABC regulations.

**External stop beads and Bell-cast render beads should be austenitic stainless steel or PVC.**



Angle Bead



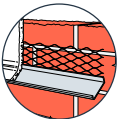
Render Stop Bead



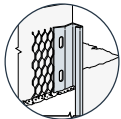
Movement Bead



Plaster Stop Bead



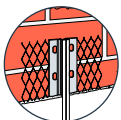
ERS-S



PSB-S



SAB-S



MVB-S



This is our no equal commitment to provide Builders Merchants with the best service, best products and all the support they need. This information has been provided by the NHBC bead and external applications document 2019 & the LABC Tech Manual V8 2017. Don't let Rusty ruin your render!

Connect with us: 01827 255600 | [www.strongtie.co.uk](http://www.strongtie.co.uk) |

## DON'T LET RUSTY RUIN YOUR RENDER!

Building regulations outlined by NHBC and LABC only advocate the use of austenitic stainless steel or PVCu beads in all external rendering applications, anywhere in the UK. Galvanised steel beads are no longer approved for external rendering in any situation.

Simpson Strong-Tie Sales Director

Jon Head explains: "We only recommend the use of stainless steel or PVCu products for external applications. Galvanised steel beads should not be used externally, unless secondary protection against corrosion is provided. Although it's generally known for its corrosion-resistant properties, galvanised steel can react with the chemical components in render, which will lead to quality issues, from unsightly rust stains, to the degradation of the bead and possible cracking in the render.

Simply put, galvanised steel in external rendering may rust, which will reduce the lifespan of your work and can be costly to put right. But the good news is it's easily avoided. Stainless steel beads are specifically designed for cement based renders, and our range of stainless steel angle beads, bellcast beads, stop beads and movement beads, and the PVCu plastic alternative has been engineered to provide reinforcement and resist impact damage. Our range of beads makes bellcasts, corners, stops and abutments all easier to form, and they can be cut to size as required."

For rendering and plastering made simple, download the Simpson Strong-Tie 2020 catalogue which is packed with handy tips and installation guidance... and make sure you stay away from Rusty!

For further information or to download our 2020 catalogue, visit [www.strongtie.co.uk](http://www.strongtie.co.uk).







# ATKINS OPENS NEW OFFICE AT HISTORIC EPSOM SITE

: ATKINS

Atkins, a member of the SNC-Lavalin Group, has moved into a new 10,000m<sup>2</sup> office in Woodcote Grove, Epsom, on the same site where the company was first based in the 1960s. The office, which was conceptually designed by Atkins' architects, offers a modern, efficient and flexible workspace for 1,300 multi-disciplinary staff. Featuring on open layouts, interlinked with meeting and relaxation areas as well as a series of quiet pods, the building's modern and vibrant design promotes collaboration, while the various communal areas, cafeteria and forum area offer employees a range of informal places to connect and relax. Sustainability played a key role in the design, with the building strategically positioned to maximise on solar benefits, ventilation and natural light.



The building was also developed in line with the highest sustainability standards, including receiving a BREEAM Excellent rating and an A-rated Energy Performance Certificate (EPC).

Richard Robinson, CEO, Atkins, said: "Woodcote Grove is a special place for Atkins, being the site where Sir William Atkins established a base for the company more than 50 years ago. Since then, we have seen the company flourish and the needs of employees evolve. The agile environment at the new office puts collaboration, efficiency and sustainability at its core. I look forward to seeing the interdisciplinary team based in Woodcote Grove continue to drive digital innovation and deliver value to clients and the local community from this modern new hub."

HBD, formerly known as Henry Boot Developments, were chosen as delivery partner from the design stage, with Speller Metcalfe appointed to deliver the building shell and other Category A works. With Faithful+Gould as team lead, Modus Workspace were chosen to manage the Category B fit-out and installation of fixtures, furniture and equipment to complete the building ready for its opening. Faithful+Gould also project managed the movement of staff from the old facilities on the Epsom Estate to the new site.

Adrian Schofield, Head of HBD South East, said: "Woodcote Grove is a fantastic building which will not only prove operationally effective, but will allow Atkins to provide its employees with a healthy and effective working environment."

Adrian Speller, Technical Director at Speller Metcalfe, said: "The juxtaposition of the old and new offices really displays the dramatic change in environment for this Atkins site, which now provides a more cohesive and collaborative environment for the staff who work here. The project has been a complex

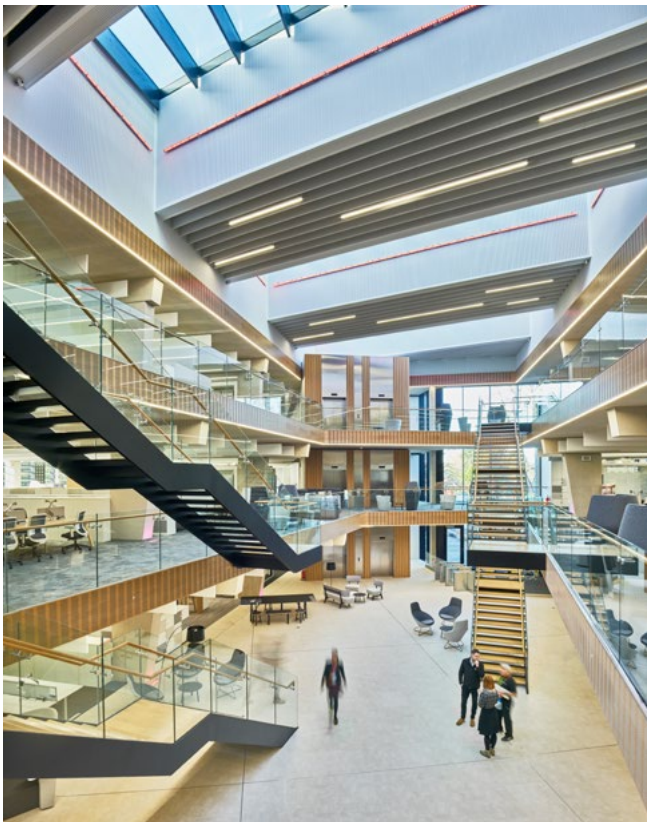


undertaking, but the result is a building that now meets the needs of its users and will continue to deliver for many years to come."

Atkins took a strong inter-disciplinary approach at the early stages of the project, relying on a collaborative effort from over 20 disciplines across its business, including architects, project management, building services, sound and lighting engineers, archaeologists and ecologists.

From their new office, the team in Epsom will continue to demonstrate its world-class expertise on projects including the Heathrow Airport Expansion, Aquatar and the Thames Tideway Tunnel.

[www.atkingsglobal.com](http://www.atkingsglobal.com)



THE JUXTAPOSITION OF THE OLD AND NEW OFFICES REALLY DISPLAYS THE DRAMATIC CHANGE IN ENVIRONMENT FOR THIS ATKINS SITE.





# INNOVATION IS KEY FOR ENGINEERING AND CONSTRUCTION CONTRACTOR

For over 50 years, Fordingbridge plc, an independent firm in West Sussex, has been providing solutions to enhance outside space. From humble beginnings manufacturing polytunnels for commercial horticulture, the company has evolved to design and build an industry leading portfolio of bespoke canopies, covered walkways and pre-fabricated statement buildings.

Working in multiple sectors including education, commercial, healthcare and leisure, Fordingbridge have a team of industry experts in each field, providing information and design notations from an early phase throughout to programme delivery. "The ethos we work to is very much a collaborative approach with our installation process," explains Fraser Dixon, Business Development Manager at the firm. "We ensure the clients requirements are fully understood, from both a design purpose and also to the works schedule. Our team achieve this through clear communication, engaging with the programme team as a whole and working with both the architects and end client. With a large volume of our work coming from education and healthcare, we understand the importance of a tight works programme, so always pre-fabricate our structures offsite to allow for a smoother installation with minimal disruption to the site. Our work in healthcare especially, which has included a number of ambulance bay canopies, requires careful planning. Working closely with other contractors, the paramedic unit and of course the NHS Trust themselves, means that we can stage a build to ensure the department can continue to function and crews and patients can access emergency departments."

The team also take the longevity of the end product into account, meaning that the claims of 'industry leading guarantees' are valid. "Our complete process is in-house, from design through to manufacture and installation," Fraser continues. "This means that we can take ownership of the brief, and monitor quality of our output closely. We understand that the value of a product isn't just about

price, it's about how well it delivers over time. Our clients understand that while something may cost a little more, they will see the return on that investment through the overall lifespan of the product. If we take a school canopy as an example, where ours may cost a few per cent more initially, our steel structure would be guaranteed for an additional 15 years when compared to a competitor; 25 years in total. Add to that the point that we always ensure our education canopies are subject to full site-specific structural calculations, the overall value of our offering is very attractive."

Fordingbridges' experience in the leisure industry also adds to the diversity of the firm. With projects including roof-top skybars, Zoo Visitor Centres and animal enclosures, the businesses design team have chance to flex their drawing metal when working with architects and planners. Building with steel and glulam timber as primary construction materials, Fordingbridge specialise in the creation of statement buildings which are as efficient as they are aesthetic. "We understand the buildability aspects of design, so it is always beneficial when we are engaged early," Fraser explains. "As we have the design capabilities in-house to complement the construction and engineering aspect, we can help alleviate some of the pressure architects face on more complex installations. Similarly, we can assist in initial planning. A good example of this is some forthcoming work we have at a popular zoo. We have worked closely with the businesses architect and owners to come up with a design which will be functional, environmentally conscious, deliverable and stunning! Sometimes the buildability aspect may be overlooked which can lead to extra costs for the client, but working with us from the outset means these aspects can be incorporated into the design. We want to bring architects works to fruition, and we want to do it as safely and cost effectively as possible."

[www.fordingbridge.co.uk](http://www.fordingbridge.co.uk)





## Canopies, walkways & statement buildings designed to work with you

Fordingbridge consistently deliver successful solutions collaborating with Architects and specifiers. With over 50 years of experience, Fordingbridge have the knowledge, in-house expertise and understanding to enable inspired and durable designs. Make us your canopy contractor of choice.

01243 55 44 55  
[www.fordingbridge.co.uk](http://www.fordingbridge.co.uk)  
[info@fordingbridge.co.uk](mailto:info@fordingbridge.co.uk)

Our specialist in-house design & build team is here to bring your next project to fruition.

Contact us today to discuss how we can work together

**FORDINGBRIDGE**  
 inspiring design + build



# MODERN BARN CONVERSION GIVES LISTED STONE RUINS A NEW LEASE OF LIFE

The historic listed ruins of a former farm estate property, dating back to the 19th century, required sympathetic repair whilst ensuring minimal disruption to the already fragile structure. These partially collapsed rubble stone walls had suffered from years of weathering and deterioration but were now to be incorporated into the annexe of a modern farm conversion.

Flexible HeliBars were used to stabilise the ruins as they offered the ideal solution due to the irregularities in the direction of the mortar beds. HeliBars were also suitable for reinforcing the chimney breasts and fireplaces which were important features to be retained from the previous split-level property the ruins once were.

Once the concealed installation was complete, the ruins were fully stabilised and reinforced. The original materials were retained, structural integrity restored and the ancient walls could now be incorporated into the new annexe.

**Helifix**  
Tel. 020 8735 5200  
email: [sales@helifix.co.uk](mailto:sales@helifix.co.uk)  
Web. [www.helifix.co.uk](http://www.helifix.co.uk)



## ANCON OFFERING ENHANCED NON-COMBUSTIBLE BALCONY CONNECTOR RANGE

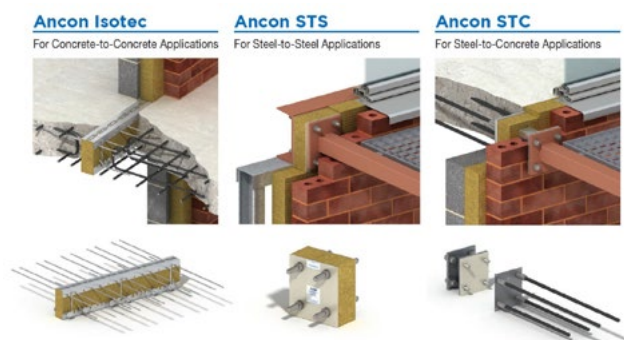
Ancon is leading the way in developing solutions to meet the Government's tough new fire safety requirements for buildings, with the launch of an upgraded range of non-combustible insulated balcony connectors.

The development follows news that the existing 18 metres height limit for combustible materials in high rise multi-occupancy buildings is to be further reduced to 11 metres, extending the scope of the regulations to buildings over 4-storeys and affecting the vast majority of new flats, hospitals, residential care premises and student accommodation. This has again increased the focus on fire safety with contractors and developers looking to future-proof their buildings.

Ancon's insulated balcony connectors have been re-engineered and now feature non-combustible mineral wool insulation and improved fire-rated thermal pads to maintain their impressive thermal insulation properties and provide the required A1/A2 reaction to fire rating.

As well as complying with the combustibility requirements in the current Building (Amendment) Regulations 2018 for wall components in high-rise residential buildings over 18 metres in height, the Ancon connectors provide contractors with a fire-safe solution for all multi-occupancy buildings, regardless of height.

Connectors are available in a range of types, including Ancon Isotec for concrete to concrete applications, Ancon STS for anchoring steel



balconies to a structural steel frame, and Ancon STC for steel to concrete fixing.

Ancon Isotec, which features high grade 100% non-combustible mineral wool enclosed in a protective stainless-steel U-shaped profile, carries Class A1 fire rating – the highest level of fire safety performance.

Ancon STS, for steel to steel applications, and Ancon STC, a two-part connector used for fixing large cantilever steel balconies to concrete floor slab, are both A1/A2 rated. Like Isotec, both now fully comply with the new regulations.

**For further information or advice contact Ancon's Technical Team on 01142755224 or email [tech@ancon.co.uk](mailto:tech@ancon.co.uk).**



## Quiet Spaces by ebonium

FILINGCabinets by ebonium are delighted to supply Quiet Spaces designed by Frem. Whether it's a Pod, a Hub or a Meeting Space you need there is a quiet solution designed for every office.

With integrated power and air circulation, short or long meetings are private and discreet.

Designed and manufactured in the UK.

For quotes and advice contact: [sales@ebonium.com](mailto:sales@ebonium.com)



Available as a:  
Phone Booth  
Meeting Booth  
Meeting Pod  
Duo Pod





# ROCKWELL EXCHANGES CONTRACTS ON PRIME ELEPHANT AND CASTLE SITE

---

: ROCKWELL

Rockwell has exchanged contracts on the Salvation Army Headquarters at 101 Newington Causeway in the London Borough of Southwark. The freehold purchase, in the heart of Elephant and Castle, is one of the last major opportunities in the regeneration of the area and offers outstanding scope to redevelop the existing office buildings. The disposal is to support Salvation Army's relocation to new headquarters within the Borough at Denmark Hill.

Elephant and Castle has benefitted from major investment in recent years, with redevelopment proposals including the Shopping Centre and Elephant Park set to deliver a substantial amount of new residential, office and commercial space. In total, more than £4bn is being invested into the area's regeneration, with redevelopment of the former Salvation Army headquarters able to contribute significantly to the vibrancy and vitality of the town centre.



Rockwell has had an impressive start to 2020 with planning permission secured for Quay House in Canary Wharf alongside the commencement of development at 82 West India Dock Road, adjacent to Westferry DLR station, following a £106m investment deal with Aviva Investors.

Rockwell has established a reputation for its commitment to local communities, going above and beyond to ensure they benefit from investment in their area. This is achieved through partnership with local organisations, such as the London Training Centre and Boundary Community School, who are currently delivering training programmes to ensure that local people have the skills and confidence necessary to find employment in forthcoming developments.

Donal Mulryan, Founder of Rockwell commented: "Elephant and Castle is undoubtedly one of the most exciting areas in London and the Salvation Army headquarters is an exceptional site which we're delighted to be bringing forward. Rockwell has an absolute commitment to ensuring that local people benefit directly from each proposal and to working in partnership with local organisations to

achieve this. I'm excited to begin work on a scheme which will have a positive impact on the lives of local people and the vibrancy of the town centre."

The Salvation Army has been advised on the disposal of 101 Newington Causeway by Savills.

Andrew Cox, Savills Development Director, says: 'Savills undertook an extensive marketing campaign that generated huge interest in this landmark site. The Salvation Army believe that Rockwell had sufficient vision and track record to deliver on the site.'

Elephant and Castle is undergoing significant regeneration. This sale clearly demonstrates the depth of the market in this part of south London and the improved confidence in the London land market.

We are delighted to transact with Rockwell on behalf of our key client The Salvation Army'

[www.rockwellproperty.co.uk](http://www.rockwellproperty.co.uk)



**ROCKWELL HAS ESTABLISHED A REPUTATION FOR ITS COMMITMENT TO LOCAL COMMUNITIES, GOING ABOVE AND BEYOND TO ENSURE THEY BENEFIT FROM INVESTMENT IN THEIR AREA.**



# IT'S TIME TO FUTURE-PROOF YOUR HOUSING DEVELOPMENTS

Did you know that homebuilders are offering prospective house buyers the option to furnish their homes with EV charging points, ready for the future of electric vehicles? With the ban on petrol and diesel motors to take effect from 2035 (five years ahead of the initial target), now is the time to futureproof your housing developments with EV charging points. The increasing demand and desire for electric vehicles is set to accelerate like never before in the coming years, as a result, road users will require the ability to charge with ease, excellence and confidence.

The average electric vehicle driver completes 80% of their charging at home and overnight, therefore providing house buyers with an EV charging point as part of their home purchase is a no-brainer. People are becoming progressively aware of the environmental and cost benefits of adopting an EV; making the transition to cleaner modes of transport is around the corner and will occur sooner than you think. For this reason, presenting home buyers with the option to equip their new homes with a charging point provides peace of mind, allowing them to recharge their EVs with convenience and comfort, should they choose to drive an EV in the future.

Whether you require communal or individual EV charging for your next project, Rolec EV's vast range of charge points are suitable and cost effective for all future proofing plans.

For more on how Rolec EV, please contact Home Developer & Construction Partnerships BDM, Agnese Emsina: [agnese@rolecserv.co.uk](mailto:agnese@rolecserv.co.uk)



Keep up to date with Rolec by following @rolecservices on Twitter and Rolec Services on LinkedIn.

[www.rolecserv.com](http://www.rolecserv.com)

THE UK'S LEADING MANUFACTURER OF EV CHARGING POINTS

## WALLPOD:EV READY

The cost effective charging solution for your housing developments

- ✓ Mode 2 EV charging which can be easily upgraded to Mode 3 EV fast charging in the future
- ✓ Doubles up as an outdoor IP65 rated 13amp house/garden maintenance socket
- ✓ Easy to install and maintain

# ROLEC EV

30 COLOUR COMBINATIONS AVAILABLE

For more details call 01205 724754 or email [agnese@rolecserv.co.uk](mailto:agnese@rolecserv.co.uk)

[@RolecEV](https://twitter.com/RolecEV)

[www.rolecserv.com](http://www.rolecserv.com)



## 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.



[monitoraudio.com/install](https://monitoraudio.com/install)





# MAPEI CEMENTS A TOUGH BOND WITH MAPEPROOF FBT

Mapeproof FBT by Mapei is a pre-applied synthetic waterproofing membrane with a non-woven fabric backing applied in full adhesion to protect structures below ground level. It is able to withstand up to 7 bars of pressure, and provides Radon and Methane protection.

Mapeproof FBT is applied underneath foundation slabs and against diaphragm, pile walls, sheet piling and other permanent retaining structures.

The waterproofing system is suitable for a range of applications including basements, garages, car parks, swimming pools, basins, storage tanks, underpasses and underground areas in general.

The fully-bonded waterproof sheet membrane system incorporates two Mapei adhesive tapes: Mapeproof FBT Tape, used to bond joints between the upper-facing side of adjacent membranes in the system, and Mapeproof SA Tape, for bonding joints between the lower-facing sides of adjacent membranes.

With extreme flexibility, Mapeproof FBT is easy to install. The waterproofing membrane is cold-applied (between +5°C and +35°C), thus no heat or naked flames are required on site. Positioned before placing the steel reinforcement and pouring of the concrete, joints can be bonded on horizontal or vertical surfaces and shaped to follow the geometry of the substrate, ensuring a longstanding tough bond; due to its bond, Mapeproof FBT prevents water from migrating laterally between the foundation structure and the membrane, once concrete has been poured. It does not require a protective layer.



The certified Mapeproof FBT waterproofing system also consists of two double-sided adhesive tapes. Mapeproof Fix Tape is used to hold the waterproofing membrane in place during installation. Meanwhile, Mapeproof BA Tape, a waterproof synthetic tape, is used for treating fillet joints between horizontal and vertical surfaces, as well as those between adjacent vertical surfaces.

For more information on Mapeproof FBT and the full system, visit [www.mapei.co.uk](http://www.mapei.co.uk)



**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](http://www.furnells.com) E-mail: [sales@furnells.com](mailto:sales@furnells.com)**  
Unit 5, Crusader Industrial Estate, 167 Hermitage, London N4 1LZ

## Replacement Balustrade



A great many character or period properties have stone balustrade incorporated into their design. These balustrades make a large visual impact, but they also have a practical purpose as barriers and screens.

A common cause for the demise of a balustrade is the presence of water. Many original balustrades were made from artificial stonework such as Roman Cement, Concrete and Stucco. These were often reinforced with iron or mild steel bars which rust and expand when exposed to water over a long period.

Other balustrades were made of natural stone such as Portland Stone or Bath Stone. While these types of balustrade do not suffer from 'blown' reinforcing, they do have a finite life span and the surface of stonework will often delaminate or form powdery patches.





**Kent Balusters**

Tel: 01634 711617  
Email: [info@kentbalusters.co.uk](mailto:info@kentbalusters.co.uk)  
Web: [www.kentbalusters.co.uk](http://www.kentbalusters.co.uk)





# LATEST WEMBLEY SUCCESS FOR THE SCHÖCK ISOKORB

The 85 acre redevelopment of Wembley Park, in North West London, one of Europe's largest regeneration projects continues apace. And one of the latest buildings to be completed is The Alameda (Spanish for 'walkway shaded by trees'), which sits next to the tree-lined Wembley Park Boulevard. The Alameda comprises two blocks, 10-storey and 15-storey, which provide 340 new residential apartments with cafes and restaurants planned for the ground level. The slide-on balconies, both at the front and rear of the buildings, are a striking feature of the new development – but critical to their structural and long-term insulation performance is the incorporation of Isokorb structural break units from Schöck. The type used in the detailing on the Alameda is a load-bearing thermal element with 80 mm insulation thickness. Early involvement was necessary to ensure that the connectors were accurately cast into the building during the mainframe construction phase. A stub bracket was attached to the Isokorb units and the balcony cantilever support arm was then attached (same depth as the balcony) to the stub and the fully pre-assembled balcony chassis slid on to the cantilever arm and locked into position.



## THEMAL BRIDGING IS A CRITICAL ISSUE

If there is ineffective insulation at the connection points, especially with so many balconies involved, there will be local heat loss, resulting in more energy being required to maintain the internal temperature of the building. This is a major consequence of thermal bridging, but there are other issues too. Low internal surface temperatures in the area of the thermal bridge can cause condensation, which leads not only to structural integrity problems with absorbent materials such as insulation products or plasterboard, but it also encourages mould growth, which can have serious health implications for residents, particularly older people and children, in the form of asthma and allergies. So for any project involving balcony connectivity the prevention of thermal bridging is a critical issue.

## CONSTRUCTION DEPENDABILITY AND FREEDOM OF DESIGN

As the leading international supplier of structural thermal breaks, Schöck has almost limitless variants available in its main Isokorb range, offering planners complete construction dependability and enormous freedom of design. The comprehensive Schöck Isokorb range offers solutions for concrete-to-concrete, concrete-to-steel, steel-to-steel, a thermally insulating connection for reinforced concrete walls – and even a maintenance free alternative to wrapped parapets. All products meet full compliance with the relevant UK building regulations; have NHBC approval; offer LABC Registration and independent BBA Certification. The temperature factor used to indicate condensation risk (fRSI) which must be greater than, or equal to, 0.75 for residential buildings, is also easily met by incorporating the Isokorb.

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



# LANDMARK LAUNCHES PREMIUM DATA LAYERS SUBSCRIPTION FOR PROMAP

Landmark Information has announced the launch of a new monthly subscription service, which provides surveyors, developers, architects and other land and property professionals with access to premium location data that provides vital intelligence for current and future projects.



**Land Use Constraints** - includes areas that are deemed to be of natural importance and have restrictions that may limit the extent and type of property development that can take place. Land Use Constraints Data includes Special Areas of Conservation (SAC), Sites of Special Scientific Interest (SSSI), Listed Buildings and Green Belt.

The low-cost subscription provides immediate access to a wealth of data layers within Landmark's flagship data and mapping tool, Promap v2 – including:

**Planning Application Data** – includes planning applications for planning permission submitted to local authorities throughout Great Britain via local authority weekly planning lists. The data includes large, small and minor applications which are split on the basis of estimated project value.

**Personal Ownership Title Information** – contains Title numbers for non-commercial polygons. This dataset does not provide any information regarding the owner.

**Price Paid Data** – contains information about the sales of single residential properties which are sold for full market value to private individuals in England and Wales, which have been submitted to the Land Registry (HMLR) for registration.

**OS MasterMap Highways Network** - includes access to Road Classification, Road Name, Unique Street Reference Number (USRN), Turn Restrictions, Access Restrictions, Maintenance Responsibility, Reinstatement Information, Height Weight Width and Length Restrictions – includes existing, planned roads and also those under construction.

By accessing the data in Promap v2, it saves time from having to research the data from multiple sources and enables quicker decisioning on projects. Users purchase Premium Layers on a one month rolling contract. A special launch promotion is taking place whereby customers who sign-up before the end of March will receive the third-month for free.

**A special launch promotion is available which offers subscribers the third month free – to get started contact the team on 0330 036 6627, email [sales@promap.co.uk](mailto:sales@promap.co.uk) or visit <https://info.promap.co.uk/premium-layers> to find out more.**

## MBS SOFTWARE: TRUSTED SOLUTIONS FOR DAYLIGHT & SUSTAINABILITY

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

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

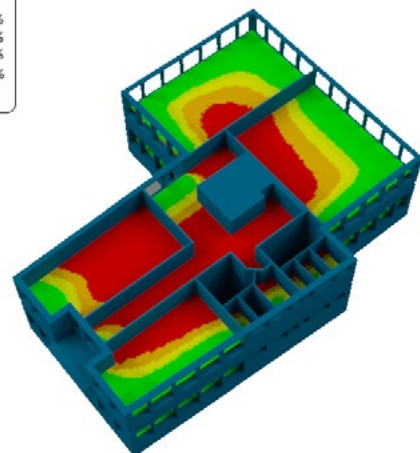
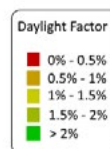
These are enabling customers to carry out a range of tasks, quickly and efficiently, within a familiar and intuitive software environment. Tasks include:

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

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

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

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



First

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

# 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

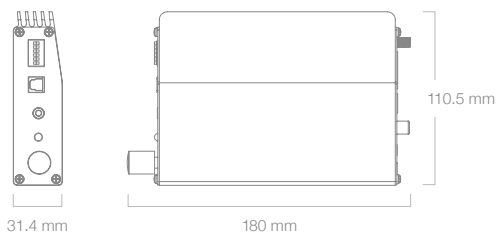
The pedestal base allows the Free to be moved from room to room. Features USB cable charging and a rotating joint head to allow landscape or portrait orientation.

## 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](http://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.



[monitoraudio.com/amplifiers](http://monitoraudio.com/amplifiers)





# SMART HOME EXPO 2020: THE UK'S ULTIMATE EVENT FOR THE SMART TECHNOLOGIES REVOLUTIONISING THE WAY WE LIVE

---

: SMART HOME

38% of UK consumers own or use smart technology, and with this number rising it's evident why smart tech is continuously making the headlines! Welcome to Smart Home Expo. The UK's ultimate event for the smart technologies revolutionising the way we live back for another year on the 17th and 18th March 2020 at Birmingham's NEC.

Continuously bringing you the latest solutions and innovations in smart technologies that are a must for any future renovation or refurbishment project, this year's show will put its focus into key topics taking the industry by storm - from smart buildings and commercial spaces, to smart homes and their future, Smart Home Expo has you covered.

You'll be able to shop from world-class suppliers and try before you buy, but Smart Home is much more than just a marketplace where visitors can find the latest innovations - it is a place where people come together and learn about the industry's future.

As the epicentre of the smart home and building world, you'll be under the same roof as the industry giants courtesy of the unparalleled speaker lineup, with such brands as ATKINS, National Grid, Honeywell, Euromonitor International, Centrica, WSP, IWFM, B/S/H, Signify and more - all of which will be showcasing unbelievable emerging trends. Throughout both days, seminar theatres will be brimming with information and advice, leaving audiences informed, educated and empowered.

What's more, you'll be able to immerse yourself in countless interactive features, join the training sessions at the Smart Building Workshop, be face to face with the most innovative brands in Smart Building technology and attend our Workplace Innovation panel session to learn from the experts what it takes to make your workplace smart. You can find the answers to major industry questions such as; how are smart technologies improving the security of our homes? What role will smart kitchens play in the future of our homes? Can smart technology help you save your pennies and the planet?!

We also have Tesla presenting an Energy Storage Masterclass which will provide you with unparalleled insight into the Tesla Powerwall. This innovative and revolutionary technology means that homeowners will have the power to own their own energy. The Tesla team will also be on hand to discuss any questions our visitors may have.

With all of this, and more lined up, Smart Home Expo is sure to become the hub of the smart world, offering all the innovations that are empowering people within the industry.

**Register for your FREE ticket at [www.smarthometechlive.co.uk](http://www.smarthometechlive.co.uk)**



AS THE EPICENTRE OF THE SMART HOME AND BUILDING WORLD, YOU'LL BE UNDER THE SAME ROOF AS THE INDUSTRY GIANTS COURTESY OF THE UNPARALLELED SPEAKER LINEUP.





# HDR | HURLEY PALMER FLATT COMPLETES PRINCIPAL TOWER; **THE FINAL PART OF MIXED-USE SCHEME PRINCIPAL PLACE**

• HDR | HURLEY PALMER FLATT

HDR | Hurley Palmer Flatt provided building engineering design services and specialist IT, AV, security, fire engineering and acoustic services for the now completed Principal Tower, which is designed by Foster + Partners in City fringe.

The tower is formed of three slim volumes: with a lower face towards the more residential side of Shoreditch, a taller element facing west reflecting the higher-rise nature of the City, and a central volume rising up between. The 50-storey tower houses 299 high specification apartments and resident amenities including spa, pool, gym and cinema screening room.

The development also provides affordable housing units together with the shell and core renovation of the Victorian 'Light Bar' located on Shoreditch High Street.



The apartments within the tower are equipped with smart KNX home automation facilities to enable adjustment of lighting, environmental systems, blinds and AV from touch screen panels.

Principal Tower is the final part of the Principal Place scheme, which comprises a 15-storey commercial building, which is currently occupied by Amazon's London headquarters, with six restaurants occupying the base of the scheme. Alongside the office space is the Principal Tower, one of the tallest residential buildings in London. The development creates a thriving new neighbourhood in the up-and-coming area.

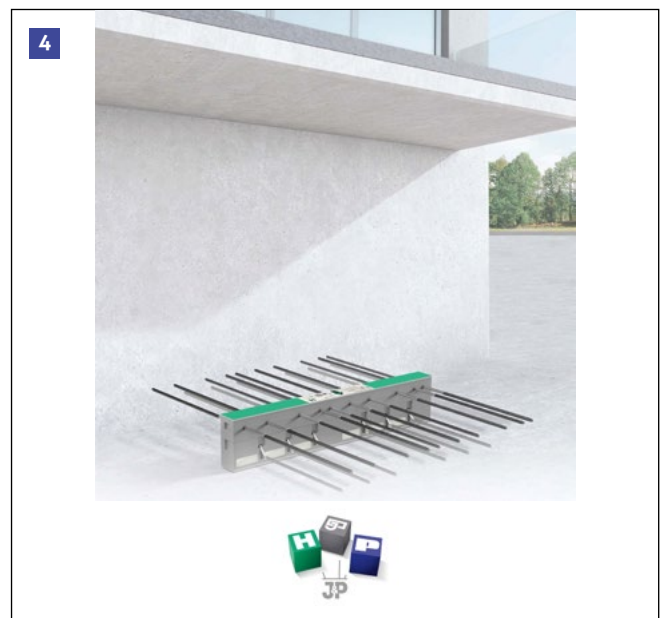
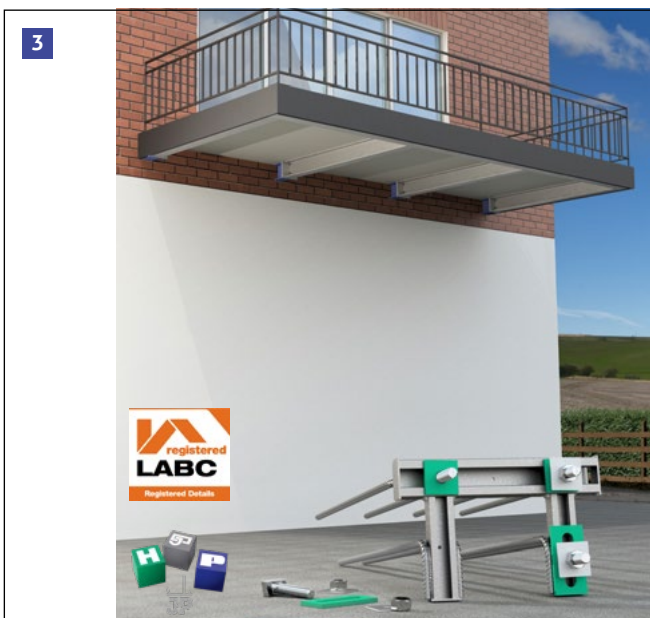
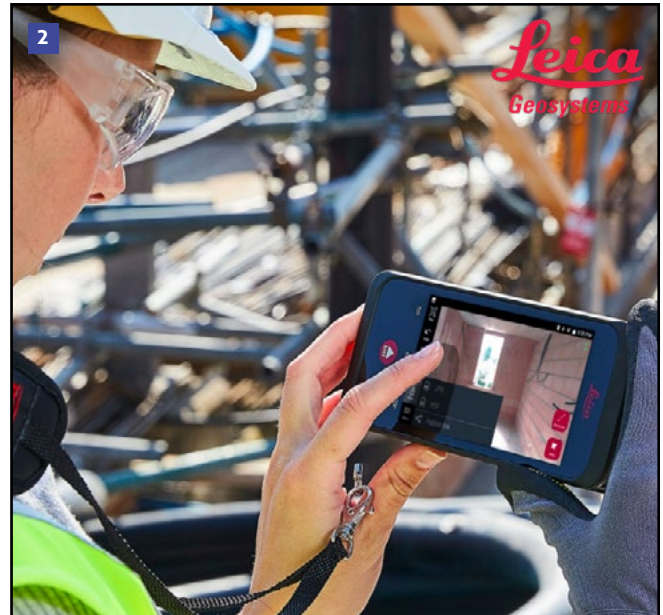
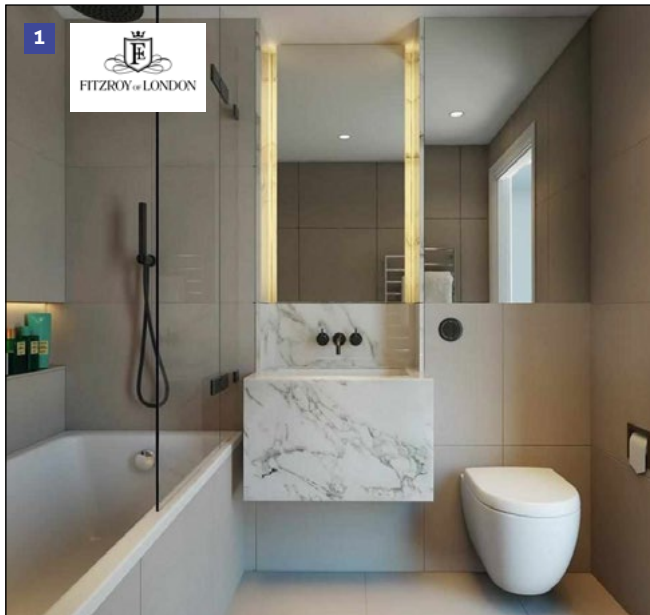
The Engineering design includes an on-site energy centre with facility to connect to local heat networks. All apartments have achieved CSH (Code for Sustainable Homes) level 4 certification aided by the high performing façade, greywater recycling facilities and energy efficient systems.

[www.hurleypalmerflatt.com](http://www.hurleypalmerflatt.com)



THE ENGINEERING DESIGN INCLUDES AN ON-SITE ENERGY CENTRE WITH FACILITY TO CONNECT TO LOCAL HEAT NETWORKS.





1

**FITZROY OF LONDON:  
CREATING LUXURY ACCESSIBLE  
BATHROOMS**

Leading the UK market in providing accessible bathrooms for luxury hospitality spaces across the country, Fitzroy of London is paving the way with its user-friendly WCs, accessories and other fittings for all. Most recently, its exemplary work has been showcased in The Dumont luxury residential apartments overlooking the River Thames and Hard Rock Hotel in the heart of London. At The Dumont, a collection of premium apartments with stunning views of the Palace of Westminster, London Eye, The City and beyond, Fitzroy of London was contracted in 2019 to design and manufacture bathroom accessories to perfectly match the high-quality brassware. The Gosfield Collection was selected to match the existing fittings, in a sumptuous brushed brass finish. In addition, the Fitzroy of London recessed toilet roll holder was chosen in polished chrome, brushed brass and brushed anthracite.

[www.fitzroyoflondon.com](http://www.fitzroyoflondon.com)

2

**LEICA GEOSYSTEMS ANNOUNCES  
BLK3D WEB, AN ONLINE  
COLLABORATION WORKFLOW  
THAT EXTENDS THE LEICA BLK3D  
IMAGER BY ENABLING USERS TO  
SHARE 3D MEASURABLE IMAGES  
WITH ANYONE, ANYWHERE  
ONLINE**

The BLK3D allows users to take precise, 3D measurements directly in the images it creates. With a BLK3D Publisher license 3D image files can be easily and securely uploaded to the cloud, viewed and measured with BLK3D Web via a shared link. BLK3D Web is a great tool for architects and those who draft or model existing conditions often, or to anyone who frequently does renovation projects. The further integration with Autodesk® BIM 360™ Docs enables users to utilize BLK3D images in the issue creation and resolution workflow, helping accelerate decision making.

For more information and purchases please visit [www.BLK3D.com](http://www.BLK3D.com)

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](http://www.jp-uk.com)

4

**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](http://www.jp-uk.com)



# BalconyLife



The complete balcony package delivered to you

**Bring the outdoors in**

**BalconyLife** are specialists that offer complete balcony packages in a range of styles. We supply and install all sizes of balconies for housebuilders, developers and self-builders to select from. The balcony packages include everything needed for installation including cantilever balcony supports and thermal breaks.

#### **Options available for balconies:**

- Frameless Glass
- Fire Rated Balconies
- Steel or Aluminum balustrade to balconies
- Bespoke range
- Decking or Tiled flooring options

#### **Other Products available :**

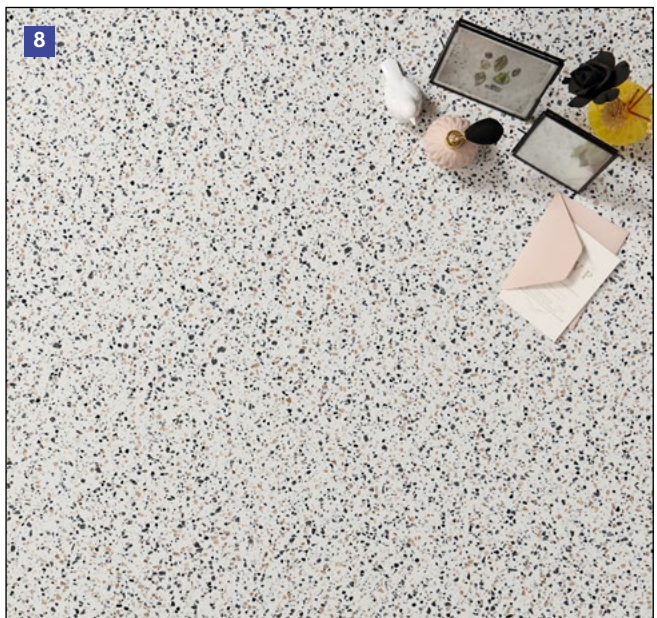
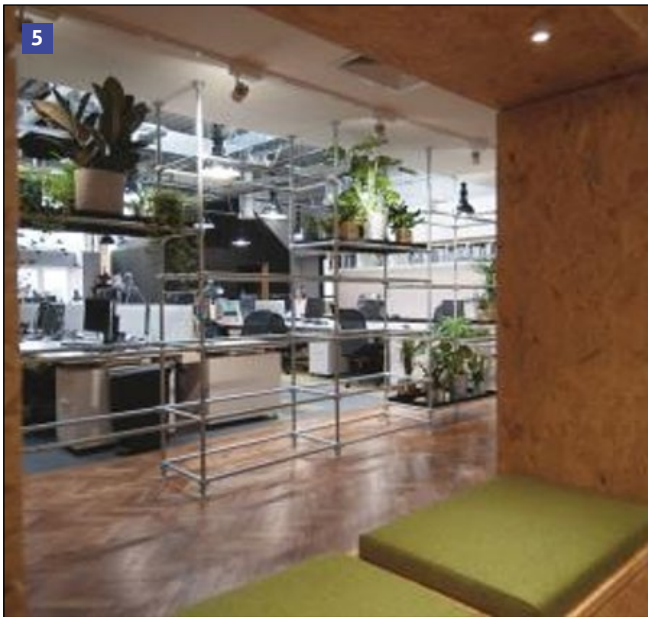
- Glass Canopies
- Staircases
- Thermal Breaks
- Handrailing and fencing

**Visit us at: [www.balconylife.co](http://www.balconylife.co)**

**Contact us at: 01509 844233**







5

### STERLINGOSB ZERO STUNS VISITORS IN NEW OFFICE SPACE

Axis Mason, an architecture and interior design firm, decided to renovate the interior of its new office, Somerville House, at Saint Helier in Jersey. The project was intended to become a statement for the firm's design philosophy and act as a showcase for clients to explore the possibilities that Axis Mason is capable of. SterlingOSB Zero, from Norbord, the leading manufacturer of engineered wood panels, was chosen early on as an ideal material to complete the new project. The material is an oriented strand board with zero-added formaldehyde which makes it more sustainable than its plywood counterparts. The new office features a standalone pod; a server room; a disabled toilet; a full height living wall with integrated seating; and a reception desk. All of these features incorporate SterlingOSB Zero with the standalone pod being built entirely in Norbord's fantastic product.

For further information, call 01786 812 921 or visit [www.norbord.co.uk](http://www.norbord.co.uk).

6

### 1ST FOLDING SLIDING DOORS

1st Folding Sliding Doors, a FENSA registered bespoke glazing company, based in West London.

We offer a full personal service: folding doors, sliding doors & bifold doors across the UK, for residential, commercial and trade customers.

We pride ourselves on the industry knowledge we can offer you, and ensure that from the initial contact to completion of the project, our team of experts are available to assist with your individual requirements.

[www.1stfoldingslidingdoors.co.uk](http://www.1stfoldingslidingdoors.co.uk)

7

### NEACO'S DESIGN INPUT ENHANCES LUXURY APARTMENTS

McCarthy & Stone's Stapleton Court development of retirement apartments near Hull has utilised Neaco's design expertise for a specification of glass walk-on balconies, including their Neatdek aluminium decking, an A1 Fire Rated system which is fully compliant with the latest fire safety regulations.

Fraser Mitcalfe, Regional Surveyor at McCarthy & Stone, said: "We have used Neaco for numerous previous developments due to the high standard of their product and their reliable service. As a company, they bring more than just product quality to the table – they also bring useful design input and experience from a supplier's perspective. Their Neatdek decking is now specified group-wide due to its non-combustible quality which is now a legal requirement for balconies on residential developments."

[neaco.co.uk](http://neaco.co.uk)

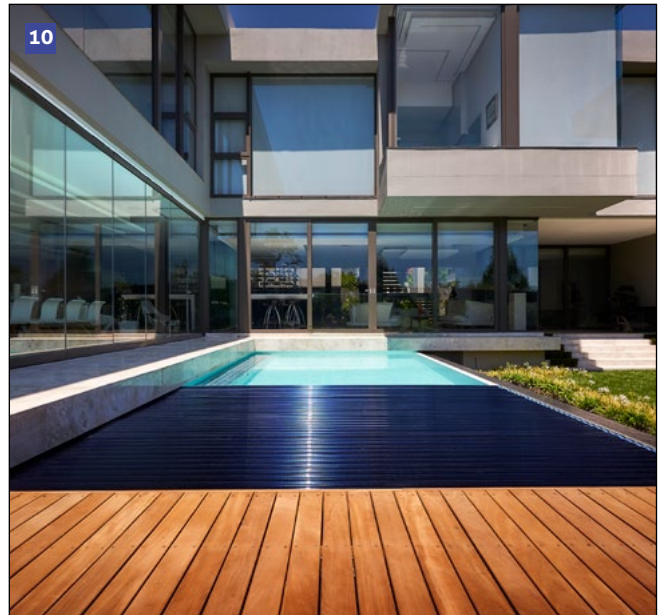
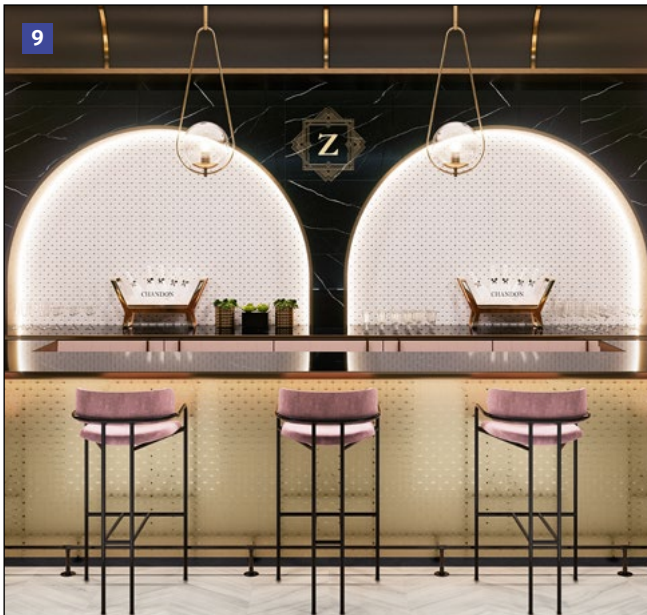
8

### STARON INTRODUCES SEVEN COLOURS TO ITS SURFACE COLLECTION FOR 2020

Designed with modern living in mind, premium solid surface brand, Staron has introduced seven new colours to its collection. Inspired by contemporary design and interiors, the new surfaces offer a refined finish that's guaranteed to enhance any residential kitchen, bathroom or commercial space. Neutral, yet eye-catching, each new colour from Staron features intricate, considered detail. From the unfinished, industrial look of Supreme Ash Concrete, to the contrasting flecks of Terrazzo Venezia, each new shade combines a stunning appearance with outstanding practical qualities. The award-winning, revolutionary surfaces from Staron combine a sophisticated blend of natural minerals and thermosetting acrylic polymers for a structure that's durable, hygienic and offers total flexibility.

[www.staron.com](http://www.staron.com)





**9**

**CTD ARCHITECTURAL TILES**

The first of many new launches for 2020, CTD Architectural Tiles introduces the Gatsby collection. Inspired by the unmistakable Art Déco style synonymous with the 1920s and 1930s, Gatsby combines elegant designs with a modern colour palette to create stunning wall features within residential and commercial spaces.

Featuring a metallic effect, the glazed ceramic wall tile collection is comprised of four designs, from the fan-shape of Glam to the arched pattern of Elegance. Presented in a palette of dusty pinks and navy blues as well as shimmering golds and silvers, specifiers and designers can choose from seven colourways to create powerful and distinctive looks. Part of the Saint-Gobain family, CTD Architectural Tiles specialises in the supply of high quality ceramic tile finishes and tiling solutions across all sectors in the UK commercial specification market.

[www.ctdarchitecturaltiles.co.uk](http://www.ctdarchitecturaltiles.co.uk)

**10**

**1 SWIMMING POOL ...  
4 POOLLOCK AUTOMATIC COVERS**

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

PoolLock's unique hydraulic-drive system means that you do not need any electrical components near your pool. The electrical power pack used to operate the cover and drive the two hydraulic motors can be placed as far from the pool as required. Opening and closing the pool is as easy as turning a key switch, which means that the cover (and the pool) are actually used once installed.

[www.poollock.com](http://www.poollock.com)

**11**

**TILES OF STOW - 21ST CENTURY STONEWARE ARCHITECTURAL TILING**

Tiles of Stow love exploring interesting ways to use their Stoneware tiles creatively, so were thrilled to work again with the architectural firm Archmongers to provide the tiles to clad the exterior of an extension to a North London property.

The client chose a deep blue 200x100mm glazed tile together with finishing corner and edging pieces in a variety of sizes. The tiles were made completely by hand in their Cotswolds studios and are fully frost proof and tested to EN & BS standards so will look beautiful for years to come!

Showroom: Tiles of Stow, Langston Priory Workshops, Station Road, Kingham, Oxfordshire OX7 6UP

Website: [www.tilesofstow.co.uk](http://www.tilesofstow.co.uk)  
Email: [info@tilesofstow.co.uk](mailto:info@tilesofstow.co.uk)  
Telephone: 01608 658993

**12**

**VECTAIRE**

A good central ventilation system is essential to stop chemicals and pollutants being trapped inside the home. But it can be noisy. Vectaire has three vertical MVHRs to solve this problem.

The Midi, Maxi and Maxi Plus "BY-AT" models have integral acoustic attenuation. They are lined with superior sound deadening materials for really low noise levels - and tested by BRE. Easy to install - nothing extra required other than the unit itself - they are the quietest, lightest and smallest on the market. Commissioning is via an integral LCD and summer bypass and frost protection are standard. Windows can be kept closed while these MVHRs provide energy efficient ventilation and a comfortable environment.

[www.vectaire.co.uk](http://www.vectaire.co.uk)



13



15



14



16



13

### A LANDSCAPE OF SEATING

Almost fifty years after Verner Panton designed the notorious modular wire seating system Pantonova, Montana is now introducing an outdoor version of the design. With its organic, geometrical shapes, the Pantonova is perfectly suited for outdoor seating. The famous wire construction gives the design an airy aesthetic that allows the surroundings to grow and thrive while still making a statement.

In 2019 Montana relaunched the original indoor version designed by Panton in 1971 in a glossy chrome. The outdoor version comes in stainless steel that is electrically polished to give it a matt-grey look. All assembly fittings also come in the same stainless steel, which allows the furniture to stay outside in all kinds of weather.

[www.montanafurniture.com](http://www.montanafurniture.com)

14

### ARMSTRONG CEILING SOLUTIONS LAUNCHES NEW ONLINE PRODUCT CATALOGUE

Armstrong Ceiling Solutions has released its new mineral ceilings and suspension systems catalogue as an online flip book for ease of use and on-the-go accessibility.

The 106-page catalogue provides complete technical and product information on the manufacturer's market-leading mineral ceilings and full system solutions, as well as its range of floating ceilings and options for specific applications - arming specifiers with all the information they need to make educated design decisions when specifying ceilings for new-build and refurbishment projects.

The catalogue is available on <https://www.armstrongceilingsolutions.co.uk/en-gb/ceiling-tiles/product-catalogue>

15

### THE POWER OF LIGHT: BRIGHTEN YOUR LOFT WITH VELUX WINDOWS

There are so many ways to create light in a loft conversion (including windows, roof lights, bi-folding or French doors). But how do you go about creating a bright and airy room when there is little wall space available?

Velux windows bring in much more direct light throughout the day than a conventional window. This is because these windows are fitted into the slope of the roof and directed upwards, meaning they are not susceptible to falling into shadow as the sun moves across the sky. A standard bedroom typically only has one window in one wall. But a standard loft can have two roof windows on one side and another on the other side, which creates light from both directions. If you'd like to find out how you can brighten your loft space, contact the friendly team at The Loft Room today.

[www.the-loftroom.com](http://www.the-loftroom.com)

16

### COMING SOON: NEW HOMES IN PINNER

With its wide, tree-lined streets, stunning conservation area and attractive Edwardian buildings, the prestigious residential suburb of Pinner is considered to be the wealthy side of the London borough of Harrow.

Founded in October 2015, Troy Homes is now one of the most esteemed housing developers in London and the surrounding areas. It's mission is to create exclusive new homes which exceed customer expectations by offering exceptional specifications, superb design and contemporary living at its finest. Troy Homes' new development on Uxbridge Road will consist of 26 one and two bedroom apartments with parking — just a short walk from the local amenities at Pinner Green and less than a mile to Pinner Underground Station.

[www.troyhomes.co.uk/development/pinner/](http://www.troyhomes.co.uk/development/pinner/)



**GEORGE BARNSDALE**  
Est. 1884



**LEMAC**  
MODULAR ACCESS TECHNOLOGY



**SKYLINE**  
THE ART OF MODERN LIFE

**17**

**HARDWOOD OR SOFTWOOD FOR WINDOWS AND DOORS – WHICH IS BEST?**

When it comes to timber windows, there is a misconception that hardwood is always best, but this isn't necessarily the case. The two categories of timber – softwood and hardwood have nothing to do with the durability of the timber, some hardwoods are brittle and soft, like balsa wood and some softwoods are very strong. The terminology relates to the type of tree – hardwood comes from deciduous trees and softwood comes from trees that keep their leaves/needles all year round. The concerns that people have about softwood windows have arisen from the shoddy practises of joiners and manufacturers in the 1970s/80s. In fact, timber has been used for millennia in buildings and can last for hundreds of years, when properly designed and manufactured to modern standards.

Tel: 01775 823000  
enquiries@georgebarnsdale.co.uk  
www.georgebarnsdale.co.uk

**18**

**THE LEMAC MULTILIFT**

The multilift is a low cost customisable lifting solution ideal for residential and commercial applications. Quick and easy to install, the Lemac Multilift eliminates the physically demanding and potentially dangerous need to move heavy loads manually between different floor levels, completing the job at the press of a button. Simply install the vertical core rail system to a wall, attach the motorcarriage and plug it in. The Multilift comes with all the wiring you need and once installed, the included mounting bracket enables you to add further components to your Multilift. No significant structural work is needed, and the Multilift can be left open or enclosed, depending on your needs and setting, and the robust rechargeable DC batteries means it will continue to work even in a power cut.

Contact Lemac Multilifts now on 0800 093 8555 to find out more, email us at sales@lemacmultilifts.com, or visit www.lemacmultilifts.com

**19**

**RICHARD EWEN ARCHITECTS**

Richard Ewen Architects is a Chartered RIBA registered practice offering a complete design and build service. They have offices in Twickenham, London and Ditchling, East Sussex. Richard Ewen Architects were established in 1996 as a dedicated design and build consultancy. Their main REA design studio is located in Ditchling, East Sussex, whilst still maintaining a local presence in Twickenham. Their specialisation is a highly personal service creating innovative design and management of residential projects including: full house renovations, space enhancing extensions, roof conversions and new basement construction with structural engineering and party wall surveying services available to all clients. For clients wishing to enjoy a 'one stop shop,' Richard Ewen Architects offer a full design and build service from conception to completion.

Tel- 01273 845096  
Mobile- 07966 261660  
Email- info@richardewenarchitects.co.uk  
www.richardewenarchitects.co.uk

**20**

**SYMPHONY**

Symphony is the first kitchen supplier to feature its products across the NBS platform. The fitted kitchen manufacturer has announced that its Linear and Gallery kitchen brands are available on the NBS BIM library and NBS Plus. The NBS platform enables architects, specifiers, designers and other construction professionals to create project specifications and download BIM objects. Robert Newton, Head of Marketing, Symphony says, "Symphony is delighted to be the first kitchen supplier to feature products across the NBS platform. As the UK's leading kitchen supplier to new build projects we are pleased to streamline the specification and kitchen design process for architects by featuring our flagship products only available via Skyline service." The Gallery and Linear kitchen brands offer an assortment of stylish and sophisticated kitchens; from the latest handleless styles, to the more modern arts and crafts styles, kitchens from Symphony are the perfect choice for new build homes today.

www.skyline-symphony.co.uk



21



BULL &amp; STEIN®

22



23



24



21

### GRAFFITI SCULPTURE APPLE BY BULL & STEIN

The apple, symbol of the Earth, of life itself, of knowledge and of sensuality, Ishtar's pome, fruit of the Hesperides and of Avalon, has expressed emotion, inspiration and ideas since the dawn of time. Brazilian designer Lisa Pappon and Portuguese graffiti artist Bruno Monteiro e Silva in cooperation, too, have taken this food of mind and body as the inspiration for their graffiti sculpture apples. Contemporary street art in an inspiring range of colours, signs & symbols and the elegantly shaped sculpture apple evoke the fruit's natural beauty in untold variety, each object being one of a kind.

BULL & STEIN sculpture apples are suitable for both, indoor and outdoor use.

Available at:  
ANDREW MARTIN  
190-196 Walton Street  
Chelsea, London SW3 2JL  
T +44 20 7225 5100  
showroom@andrewmartin.co.uk

22

### DUNHAM-BUSH PROVIDES A MASTERCLASS IN LOW ENERGY VENTILATION FOR CLASSROOMS

Dunham-Bush has signed an exclusive agreement with Eco-Airvent to manufacture and distribute their innovative, energy efficient Classmaster® heat recovery ventilation units. Classmaster has been developed specifically for classrooms and fully complies with the very latest BB101: 'Ventilation, thermal comfort and indoor air quality 2018' and BB93: 'Acoustic designs for schools, performance standards (2015)' guidelines. With nine chassis sizes and airflow ranging from 50 to 600 l/s, Classmaster delivers the very highest standards of air quality to meet every classroom requirement. Key features include a patented variable air mass flow heat exchanger, which maintains thermal efficiency at both 100% and 50% airflow levels by cleverly keeping turbulent velocity airflow across the heat exchanger.

[www.dunham-bush.co.uk](http://www.dunham-bush.co.uk)

23

### ISOPRO® AND ISOMAXX®

J & P Building Systems Ltd is pleased to offer ISOPRO® and ISOMAXX® thermally insulated concrete balcony connection systems. Supporting high loads and efficiently thermally insulating the balcony to floor slab interface, they offer:

- Excellent thermal insulation
- High load capacity
- Cost-effective performance
- Faster installation with no need to seal joints
- Easy to cut to lengths needed
- No moisture absorption by the insulation layer to reduce thermal performance
- Very low deflection at the connection to the structure

For engineering support or pricing information contact J & P Building Systems at 01844 215200, or visit our website at [www.jp-uk.com](http://www.jp-uk.com)

24

### STAND OUT IN STYLE WITH NEW PREMIUM NEXUS® RECYCLING RANGE

The Nexus Style is a premium finish recycling bin that can be customised to suit any stylish environment. Nexus Style combines a contemporary design with functionality and strength for a long service life. A Vandalex® door with an anodised and polished graphite finish, contrasts with an Armortec® coated dark metallic grey steel frame for a modern appearance. Choose from an attractive collection of finishes to blend your recycling bin with its surroundings, or create a bold, contrasting aesthetic by personalising the unit with your logo and branding. Available as an 85 litre and 170 litre model and with the choice to have as a duo, trio or quad recycling container, the Nexus Style bins feature an open top with optional recycling apertures available to suit all requirements.

To view the full range visit [www.glasdon.com](http://www.glasdon.com)





25



26



27



28



25

**ZUMTOBEL LIGHTING'S TUNABLEWHITE – THE CLOSEST THING TO DAYLIGHT**

Natural daylight temperatures vary throughout the day and the human body is conditioned to react to those changes and exposure to constant colour temperatures upsets the way our bodies react. This natural order can now be restored with Zumtobel Lighting's tunableWhite LED lighting, where colour output can be tuned to virtually any perceivable colour. With the right light, people can immerse themselves fully in their respective tasks and improve sleep patterns. Zumtobel's tunableWhite technology has been designed to imitate the patterns of natural daylight and help maximise the influence of lighting in daily life. Calibration of the driver and LED module ensures that high colour consistency is achieved in the range from 2,700K to 6,500K. Excellent colour rendering and homogeneity provides the perfect ambience for the working environment.

[www.zumtobel.com/gb-en/tunablewhite.html](http://www.zumtobel.com/gb-en/tunablewhite.html)

26

**LAUNCHING NOW: A NEW WAVE BY SÉCHÉ STUDIO**

Inspired by the rough and untouched landscape of the Danish West Coast, A New Wave reflects natural textures, shapes and captivating scenery. The collection strives towards tactility on a functional and sensual level that encourages you to feel the patterns of the sand, the strict lines of the grass dunes and the rhythm of the waves washing in.

The up-and-coming designers from Séché Studio, Laura Bilde and Linnea Ek Blæhr, have found inspiration in their childhood memories of the coastline when creating a collection of organic and textured carpets. With A New Wave, the tactile landscape is brought to the floor with three sensuous designs; Sand, Grass and Ocean. Multi levels in the soft construction form the sculptural patterns while the colour palette reflects the dry and delicate tones of the seaside.

[www.egecarpets.com](http://www.egecarpets.com)

27

**MMCITÉ'S VISION FOR THE PUBLIC SPACE DEFINES THE CURVED LANDSCAPE COMPACT BENCH**

Design studio mmcité1 have another unique new product. Landscape Compact is more than just a regular bench — it is a modular system which makes use of straight and curved sections to enable you to create varied, long seating arrangements, both with or without backrests. You could even make circles, diverse islands, or relaxing bays of seating. It is a piece of street furniture the market has been missing for a long time. Its variability and unconventionally large dimensions give architects an interesting means of breaking up a large outdoor area. In addition, Landscape Compact scores highly for its elegant style and the array of artisanal details incorporated in its design. The bench was first revealed to the public at the ASLA 2018 expo in the USA, and it was also in the US that it won an AJN Best of Products Award in the Outdoor category.

[www.mmcite.com](http://www.mmcite.com)

28

**TIMBERSOURCE LTD**

Timbersource Ltd, based in Somerset for over 18 years, manufactures high quality timbers on a 'bespoke' basis. Although many of the profiles and sizes are regular orders, the variety of species in our range, means it makes sense to produce promptly 'to order'. This philosophy includes solid timber 'worktops', which are always with full length staves.

Our website [www.timbersource.co.uk](http://www.timbersource.co.uk) enables quick pricing of regular items, and our experienced staff welcome emails or phone calls, to discuss larger or more detailed timber requirements. We are pleased to have supplied our timbers to numerous prestigious projects world-wide, including the Larch cladding-profile, in London. Use the offer code 'ARCHTECHS' for 5% off your order, valid until 31/05/2019.

[sales@timbersource.co.uk](mailto:sales@timbersource.co.uk)  
+44 (0) 1373 469905





# 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](http://www.zueblin-timber.com)



**ZÜBLIN**  
TEAMS WORK.





# SOUTH EAST CONSTRUCTION EXPO 2020

The premier concentration of construction professionals in the South East

Free conference and exhibition  
**28 April 2020 | 9am-3:30pm**  
 South of England Event Centre  
 Ardingly, West Sussex

Register  
 Free  
 Tickets

Just some of our industry focused speakers



How is the UK construction sector really doing? Neil Edwards, Builders' Conference gives a transparent review of new construction contracts with a focus on London and the South East



Cedrick Laurier, Chief Technical Officer at Gatwick Airport will speak about Pier6 Western Extension, Innovations, Northern Runway, plus construction highlights, and info about ongoing tenders and future contracts



Ian Roadnight, Housing, Property & FM, talks you through the opportunities available over the next 12 months



Malcom Clarke, MD at Baxall Construction Why is Baxall Construction so keen on BIM? Could it be due to the fact that it has helped raise margins and double turnover?



Julia Gregory An update from Julia, Director of Projects at Ebbsfleet Development Corporation



Workshops from Google Digital  
 - Digital Marketing Strategy  
 - Get Started with Analytics  
 - Social Media Strategy

**2,500**  
VISITORS

**100+**  
STANDS

**30+**  
SPEAKERS

What you can look forward to

- How to capitalise on projects worth £billions
- Receive updates on major development and regeneration projects
- Building a digital future for the construction industry
- FREE 'Meet the Buyer' appointments - up to 600
- Innovations within the construction industry
- Building a sustainable future for construction
- Health and safety
- Industry focussed workshops



Masses  
 of free  
 parking

Also held  
**23 September 2020 | 9am-3:30pm**  
 Sandown Park Exhibition Centre, Esher, Surrey



SUPPORTED BY 	IN PARTNERSHIP 	GOLD SPONSOR 	Headline Sponsor 			
BREAKFAST SPONSOR 	BREAKFAST SPONSOR 	BREAKFAST SPONSOR 	BREAKFAST SPONSOR 	BREAKFAST SPONSOR 	COFFEE SPONSOR 	PR Partner 

@constructexpo #constructexpo

[www.constructionexpouk.co.uk](http://www.constructionexpouk.co.uk)

[info@constructionexpouk.co.uk](mailto:info@constructionexpouk.co.uk)

01732 758 530 | 07768 067745



# TWINSON DECKING FROM DEEPLAS

ELEGANT, LONG-LASTING DECKING, WITH RESPECT FOR NATURE



HIGH SLIP RESISTANCE



LOW MAINTENANCE



SPLINTER RESISTANT

For more information  
call Hazel Verschuere:  
**07718340731**

Quality you  
can feel

